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Weather & Crop
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J. a. Hopkins.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL ECONOMICS

In Co-operation With

IOWA DEPARTMENT OF AGRICULTURE
WEATHER AND CROP BUREAU

IOWA MONTHLY CROP REPORT

JUNE 1, 1931

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Published by
THE STATE OF IOWA
Des Moines, Iowa

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IOWA CROP SUMMARY, JUNE 1, 1931

Crop conditions in Iowa in general were below average on June 1, with the exception of winter grains and peaches. Of the twelve crops covered by the June report, rye, spring wheat, all of the classes of tame hay, apples and pears indicated a retarding of development due to the continued unfavorable growth factors of the spring season.

Winter wheat production prospects are nearly 18.0 per cent below the five year average production of 1925-1929. A crop of 6,026,000 bushels is indicated by the condition of 85 per cent. In 1930, a crop of 8,325,000 bushels was harvested, and the average production of 1925-1929 was 7,295,000 bushels.

Condition of winter wheat on June 1, 1931, was 85.0 per cent of normal, compared with 89.0 per cent a year ago and 83.0 per cent as a June 1 ten-year average (1920-1929).

The average condition of rye is 87.0 per cent of normal, compared with 89.0 per cent last year and the ten-year (1920-1929) average. The forecast of production on the basis of present condition is 731,000 bushels, as compared with 630,000 bushels in 1930.

Spring grain crops have developed favorably, oats condition being 88 per cent as compared with the (1920-1929) average of 87 per cent; barley 89 per cent which is the same at its ten-year average; and spring wheat 86 per cent which is one point below its ten-year average. Each of these spring grain crops are from two to four points below the condition a year ago.

Prospects for both tame and wild hay are not promising of average yield, both being 12 and 14 points respectively below the June 1 ten-year average conditions. The condition of each of these hay crops was 70 per cent of the June 1 normal. Clover and timothy meadows have not shown favorable recovery from their early deteriorated conditions and first cuttings are expected to be light. The prospects for alfalfa are a little more promising as the June 1 condition of 82 per cent is but six points below the ten-year average. This crop, because of its deeper root system, has not had to compromise with the drought conditions to the same extent as have other hay crops.

FRUITS: The condition of apples on June 1, was reported as 63 per cent compared to 58 per cent last year on June 1 and a ten-year average of 72 per cent. The condition of pears was reported as 48 per cent indicating a total production of 34,000 bushels as compared with the five year (1925-1929) average production of 51,000 bushels. The condition of peaches was reported as 60 per cent, indicating a probable yield of 62,000 bushels as compared to the ten-year (1920-1929) average condition of 52 per cent and a five-year (1925-1929) average crops of 56,000 bushels.

CONDITION OF IOWA CROPS, JUNE 1, 1931

Districts and Counties	Corn			Oats	Winter Wheat	Spring Wheat	Barley	Rye	Hay, Tame (all)	All Timothy and Clover Hay	Alfalfa	Hay, Wild	Pasture
	Condition	Planting Done May 15	Planting Done June 1										
	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Northwest—													
Buena Vista	93	69	93	93	84	.....	93	.....	76	73	83	84	75
Cherokee	87	69	99	87	94	90	89	.....	67	66	79	66	73
Clay	87	63	98	84	89	90	85	85	71	72	82	69	70
Dickinson	80	70	100	87	82	84	90	87	76	82	83	73	72
Emmet	85	64	99	87	.....	85	89	78	69	68	78	66	65
Lyon	87	62	100	82	.....	.....	79	70	72	69	79	71	67
O'Brien	91	71	100	80	.....	.....	90	80	71	70	85	70	68
Osceola	82	63	99	88	.....	.....	88	100	71	69	80	76	65
Palo Alto	81	58	99	83	.....	.....	83	84	73	60	80	66	64
Plymouth	88	51	97	86	89	85	86	90	82	76	89	76	74
Pocahontas	85	83	99	89	84	.....	86	93	73	62	82	78	75
Sioux	87	68	100	86	89	90	84	92	67	67	77	66	64
For District	87	66	98	87	87	87	87	86	72	70	82	71	70
North Central—													
Butler	84	69	97	88	.....	85	90	82	66	69	84	69	74
Cerro Gordo	90	62	99	91	.....	100	92	80	68	76	85	88	68
Floyd	78	68	96	86	74	72	87	82	69	70	82	61	67
Franklin	88	78	100	88	69	70	90	85	71	71	84	69	76
Hancock	87	69	99	85	.....	.....	85	88	70	70	82	64	74
Humboldt	86	74	100	85	.....	.....	87	.....	61	64	80	54	66
Kossuth	84	71	99	94	.....	.....	96	98	85	82	88	62	82
Mitchell	93	70	95	93	91	95	92	87	68	71	90	71	69
Winnebago	89	58	98	85	94	90	89	85	74	76	84	73	73
Worth	85	60	98	91	81	100	92	93	68	70	83	67	64
Wright	85	75	99	83	77	87	82	82	66	66	81	58	65
For District	86	69	98	88	81	88	89	86	70	70	84	66	70
Northeast—													
Allamakee	92	56	99	91	87	94	92	90	71	67	91	78	73
Blackhawk	87	80	100	90	88	75	94	80	67	66	82	77	68
Bremer	88	73	98	95	.....	.....	98	80	76	76	92	79	77
Buchanan	90	71	97	91	99	.....	91	80	69	71	84	73	72
Chickasaw	87	65	98	86	74	70	83	85	66	70	75	63	67
Clayton	85	53	99	91	89	95	90	.....	76	77	85	76	79
Delaware	88	60	98	85	79	72	83	85	62	60	74	70	60
Dubuque	88	61	99	89	69	85	92	70	78	78	90	73	73
Fayette	90	64	97	89	81	85	90	85	75	77	86	72	74
Howard	90	50	96	87	.....	90	90	80	62	56	80	60	62
Winneshiek	87	62	100	92	86	88	90	85	57	64	89	38	66
For District	89	64	98	90	85	86	90	83	70	70	85	70	71
West Central—													
Audubon	88	70	99	84	84	70	88	100	70	69	89	88	73
Calhoun	90	77	100	90	89	75	90	84	68	63	80	.....	70
Carroll	88	66	99	92	85	100	95	100	72	72	81	72	71
Crawford	84	36	97	89	84	89	90	90	71	70	84	75	74
Greene	87	78	99	88	.....	80	85	95	68	65	81	76	65
Guthrie	85	73	99	84	85	.....	87	88	72	73	82	78	67
Harrison	89	52	97	88	77	85	89	89	75	81	81	79	75
Ida	89	67	99	94	96	90	96	.....	70	65	81	70	75
Monona	85	51	95	87	81	84	87	80	80	78	82	78	77
Sac	81	65	99	91	.....	.....	94	88	72	68	85	68	76
Shelby	84	58	99	93	87	90	95	95	84	86	90	73	80
Woodbury	87	44	96	90	82	91	90	93	76	75	82	81	76
For District	86	61	98	89	83	86	90	90	73	71	83	70	73

CONDITION OF IOWA CROPS, JUNE 1, 1931—Continued

Districts and Counties	Corn			Oats	Winter Wheat	Spring Wheat	Barley	Rye	Hay, Tame (all)	All Timothy and Clover Hay	Alfalfa	Hay, Wild	Pasture
	Condition	Planting Done											
		May 15	June 1										
	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Central—													
Boone	89	81	100	86	76	70	87	75	71	73	90	69	72
Dallas	89	72	99	89	87	80	90	85	63	56	75	51	66
Grundy	80	77	100	85	84	90	86	90	58	60	81	50	69
Hamilton	88	77	99	91	90	90	91	92	77	75	82	69	73
Hardin	89	74	99	91	99	.....	94	.....	71	66	78	69	71
Jasper	86	73	98	83	79	80	85	83	53	50	71	48	56
Marshall	85	75	99	83	86	80	87	80	68	67	76	73	66
Polk	86	71	98	85	83	85	85	84	66	63	79	61	67
Poweshiek	90	73	98	74	.....	65	100	.....	67	62	86	.....	70
Story	91	77	100	90	85	.....	95	100	73	74	84	88	73
Tama	81	74	98	90	93	95	91	96	65	65	80	76	74
Webster	83	73	99	84	84	82	92	87	70	69	80	61	69
For District	86	74	99	87	85	82	90	87	67	65	81	65	69
East Central—													
Benton	84	74	99	87	89	80	90	87	63	66	85	86	75
Cedar	76	77	98	90	91	.....	86	.....	74	76	87	.....	87
Clinton	84	58	96	87	86	88	89	84	71	65	84	76	74
Iowa	84	70	100	83	87	83	87	90	68	72	79	48	69
Jackson	88	48	99	94	89	88	91	91	66	66	88	.....	76
Johnson	89	64	99	95	88	100	93	98	81	81	89	.....	82
Jones	92	74	99	89	.....	85	90	89	71	71	90	.....	82
Linn	82	65	98	91	92	100	96	95	77	77	92	73	78
Muscatine	91	52	98	90	90	.....	91	94	78	79	86	.....	81
Scott	86	59	98	92	97	94	94	92	79	77	91	98	86
For District	86	64	98	90	91	90	91	90	73	73	87	77	78
Southwest—													
Adair	87	66	99	85	81	75	86	90	60	66	82	74	61
Adams	83	70	97	75	70	69	72	95	55	58	70	55	57
Cass	89	73	98	89	87	93	89	92	64	62	88	76	71
Fremont	87	53	97	85	87	.....	80	90	76	69	81	80	72
Mills	86	53	99	84	83	92	87	98	73	71	80	77	74
Montgomery	91	67	99	85	87	95	86	91	67	62	75	60	65
Page	86	69	99	75	81	75	79	88	60	58	70	68	57
Pottawattamie	89	48	98	88	91	75	90	95	77	73	84	71	73
Taylor	82	72	100	77	80	75	81	87	58	59	72	58	50
For District	87	60	98	83	84	80	84	90	66	64	78	71	65
South Central—													
Appanoose	90	54	96	91	88	100	92	83	76	77	92	79	78
Clarke	79	58	98	82	78	80	85	80	65	68	76	.....	62
Decatur	90	72	99	86	86	.....	90	86	68	73	83	.....	76
Lucas	89	66	98	88	87	.....	89	75	60	63	66	.....	58
Madison	86	67	97	83	85	88	86	85	58	64	82	61	66
Marion	86	68	96	82	82	78	81	90	55	58	75	38	57
Monroe	88	57	97	89	90	92	.....	.....	67	68	88	58	79
Ringgold	88	57	98	80	75	.....	80	78	53	54	53	.....	56
Union	86	62	99	83	88	80	88	88	62	62	78	68	64
Warren	85	63	97	79	81	60	84	87	63	64	79	52	65
Wayne	90	61	99	88	84	.....	83	78	73	72	83	.....	73
For District	87	62	98	85	85	82	90	84	64	66	79	64	67

CONDITION OF IOWA CROPS, JUNE 1, 1931—Continued

Districts and Counties	Corn			Oats	Winter Wheat	Spring Wheat	Barley	Rye	Hay, Tame (all)	All Timothy and Clover Hay	Alfalfa	Hay, Wild	Pasture
	Condition	Planting Done											
		May 15	June 1										
	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Southeast—													
Davis	87	60	95	90	87	100	87	95	80	79	92	98	80
Des Moines	87	56	96	91	83	.....	100	90	82	79	93	.....	88
Henry	90	75	98	92	89	90	87	92	77	78	84	.....	83
Jefferson	88	72	99	92	87	93	90	93	80	82	89	.....	82
Keokuk	88	72	99	87	84	77	90	95	72	74	82	.....	73
Lee	80	48	98	92	82	.....	90	91	79	81	89	.....	86
Louisa	87	68	97	87	86	.....	98	90	78	76	87	.....	78
Mahaska	94	64	99	87	85	82	83	88	67	66	82	68	74
Van Buren	89	40	95	91	89	90	80	88	82	81	84	.....	81
Wapello	84	62	96	80	83	.....	85	84	74	74	86	78	73
Washington	92	68	98	92	91	.....	92	.....	75	76	80	.....	84
For District	88	62	97	89	86	87	88	90	77	77	86	78	80
For State	87	65	98	88	85	86	89	87	70	70	82	70	72

CONDITION OF IOWA FRUITS, JUNE 1, 1931

Districts	Summer Apples	Fall Apples	Winter Apples	Pears	Plums	Peaches	Cherries	Strawberries	Grapes	Red Raspberries	Black Raspberries	Blackberries	Gooseberries	Currants
	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Northwest	40	39	40	49	39	.....	50	64	56	80	80	57	57	67
North Central	57	61	66	29	42	.....	52	44	55	41	49	46	72	68
Northeast	78	81	82	39	66	.....	77	55	74	40	57	50	72	70
West Central	56	68	68	33	39	52	63	48	67	28	41	40	73	68
Central	38	44	51	45	46	26	53	35	48	32	51	53	66	61
East Central	70	73	73	58	60	57	74	62	77	77	75	86	71	74
Southwest	75	78	78	52	43	64	76	59	74	40	61	59	62	70
South Central	60	60	59	48	48	60	81	48	69	77	75	83	61	60
Southeast	62	67	65	46	49	67	66	60	69	57	65	78	62	58
For State	59	64	65	48	48	60	67	53	66	50	61	68	66	66

CONDITION OF IOWA VEGETABLES, JUNE 1, 1931

Districts	Early Potatoes	Late Potatoes	Early Cabbage	Late Cabbage	Onions	Sweet Corn	Tomatoes	Watermelons	Cantaloupes	Cucumbers	Sweet Potatoes
	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Northwest	76	80	90	92	94	85	91	90	90	90	91
North Central	76	80	65	72	76	78	60	48	35	.....	.....
Northeast	81	98	84	.....	72	92	70	.....	.....	90	.....
West Central	82	80	70	80	79	80	79	60	60	.....	.....
Central	85	78	83	88	88	82	64	.....	.....	75	78
East Central	87	88	82	88	92	83	77	83	80	83	85
Southwest	81	87	86	90	84	85	70	65	70	65	65
South Central	87	94	82	90	95	88	68	68	65	50	60
Southeast	82	83	84	95	85	80	70	55	56	40	62
For State	82	84	82	87	85	83	73	65	66	76	68

FARM STATISTICS FOR THE YEAR ENDING DECEMBER 31, 1930

Collected by Assessors and Tabulated by the
Iowa Weather and Crop Bureau

(Reprinted from Iowa Year Book of Agriculture, 1930)

Decreased production of Iowa's principal crop, corn, together with a general collapse of prices for all agricultural commodities, made the year 1930 unprofitable for Iowa agriculture. Under normal worldwide economic conditions the reduction of the corn crop would be an advantage, but in this case the law of supply and demand seemed to be suspended, in that decreased production was associated with decreased prices, the underlying causes being of a worldwide nature, clearly beyond the power of farm organizations or the United States Government to control or remedy.

The regular statistical work of the Weather and Crop Bureau was carried on with the usual care and efficiency, though the new taxation reports required of the assessors by the State Tax Commission, greatly increased the work of the assessors, and thereby caused some delay. There was the usual slight and unavoidable failure of a few assessors to do a first class job, through illness or other misfortune.

Corporate Farming Offset by Small Acreages

While corporate farming in Iowa is known to be making progress in limited areas, assessors' agricultural statistics of the crops of 1930 show that an increase in farms of small acreage overcame the tendency to corporate farming.

In 1930, assessors listed 5,487 more farms than in 1929. While the increase undoubtedly consisted of farms of small acreage, the farms were not less than three acres in size, for assessors do not enumerate farms smaller than three acres. At the same time, the total acres reported in farms in 1930 was 34,113,021, which is a decrease of 5,674 acres. This brings the average size of farms down from 163.6 acres in 1929 to 159.4 acres in 1930, which is the smallest reported since 1922.

The increase in the number of farms is quite uniformly distributed through the counties, though as heretofore, the counties having the larger number of farms are those containing the larger cities of the State, about which small acreages are popular. Apparently the subdivision into small tracts has been more active in Polk County than elsewhere, since the average size of farms in that county is only 118 acres, which is the smallest in the State.

Cultivated Acreage Increases

Each year a little more of the acreage in wild hay, wood lots, brush, brambles, frog ponds, etc., in the Iowa farms, is subdued and put into cultivated crops. In the year 1930, 21,762,585 acres were in cultivated crops.

This is an increase of 219,953 cultivated acres, or 1 per cent as compared with 1929. Waste land in farms was reduced by 24,164 acres, and buildings, feed lots and highways contributed 2,678 acres to the cultivated area. At the same time there was an increase of 33,119 acres in farm wood lots not even pastured. There is much rough and comparatively unfertile land in Iowa, particularly in the southern counties, that in the long run could much more profitably be put in wood lots or more pretentious forestry projects.

Farm Tenancy Increases

The trend of farm operation continues toward tenancy as against owner operation. In 1930, owners operated 15,405,677 acres, which is 162,781 acres less than in 1929, or a decline of 1 per cent, as compared with 1929. Tenants operated 18,707,344 acres in 1930, which is an increase of 157,107 acres, or nearly 1 per cent. Expressed in per cent, owners operated 45.2 per cent of the acreage in farms in 1930, while tenants operated 54.8 per cent.

The increase in tenancy was rather uniformly distributed over the State, though there are several areas where tenancy has decreased, particularly in some of the northwest and southeast counties.

Drouth of 1930 Did Not Produce Crop Failure

While many States had large areas involved in crop failure in 1930, this condition apparently did not exist in Iowa. Only 121,436 acres, which are ordinarily utilized for crops, failed to produce a crop in 1930. This is an actual decrease of 72,527 acres in the idle land, or 37 per cent.

Corn Production Decreases

Through no fault of the Iowa farmers, the total corn crop of 1930 is reduced to 378,238,147 bushels, which is the least since 1924. The total area devoted to this crop was 11,165,548 acres, which is the fourth largest in the history of the State, and an increase of 282,695 acres, or 2.6 per cent, over 1929. The increase was rather uniformly distributed over the State, being the greatest, from 5,000 to 15,000 acres per county, from the extreme southwest to Guthrie, Madison, Warren and Marion counties. There was also an outstanding increase in Woodbury and Monona counties, and several north-central counties. In only a comparatively few counties was there a decrease. The most outstanding decrease was in Sac and Ida counties.

Prior to 1919 a crop of this size would have been regarded as a "bumper crop", for there had been only two larger crops up to that time. It is probably fortunate that the crop was no larger. It was sufficient for local livestock needs in nearly all portions of the State. The collapse of prices caused the surplus to be marketed at a loss, and the loss would have been greater if the surplus had been greater. That which went to market was sold at an average price of about 51 cents per bushel, and calculating the value of the entire crop at that figure would make the total value $192,901,455, which is the least since the crash of 1921.

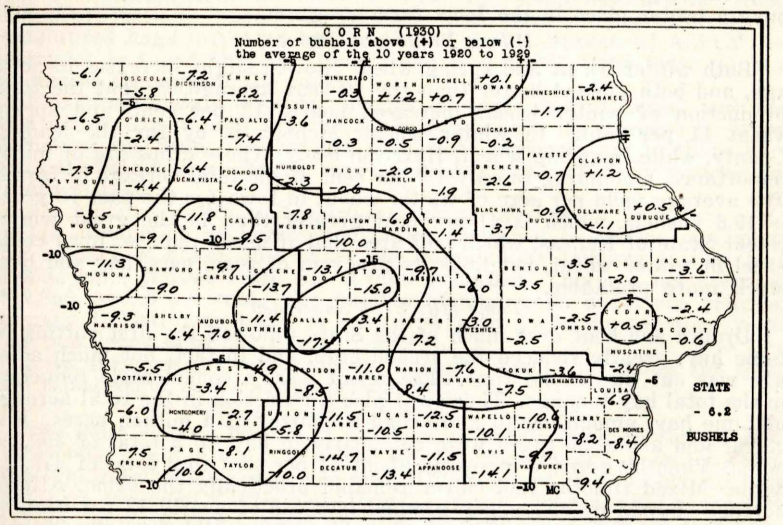
Drouth and heat reduced the yield of corn per acre in 1930 to 33.9 bushels, which is 6.2 bushels below the average of the 10 years, 1920-1929, and the lowest yield per acre since 1924, which was 28.0 bushels. Dallas County, with an average yield per acre of 27.0 bushels, was 17.4 bushels below its 10-year average, which is a larger departure from average than shown by any other county in the State.

Next to this stands Story County, with an average yield per acre of 27.8 bushels, which is 15.0 bushels below the 10-year average. Calculated in per cent of average, the situation was worse in Davis County than elsewhere. The yield per acre in that county was only 19.6 bushels, which was the lowest in the State, and the per cent of the 10-year average was 58, while in Dallas County it was 61 per cent, and in Story County, 65 per cent.

In 21 counties, mostly in central and south-central Iowa, the yield was 10 or more bushels below the 10-year average. In contrast with this, Cedar, Clayton, Delaware, Dubuque, Howard, Mitchell and Worth Counties had yields slightly above their 10-year averages. For several years in succession Cedar County has had the largest average yield of corn per acre in the State. In 1930, the average in that County was 45.7 bushels per acre, which is 0.5 bushel above the 10-year average. In Clayton and Worth Counties, the yield of 1930 was 1.2 bushels above their 10-year averages. Calculated in per cent of the 10-year average, Worth County was in the lead with 103 per cent of the average, while Clayton County was a fraction of a per cent less.

The area of greatest damage to corn in Story, Dallas and portions of Boone and Polk Counties, corresponds well with the area of least rainfall in the 82-day drouth period, July 5-September 24, 1930. The least rainfall during that period was 0.90 inch at Perry, in Dallas County, with only 10 days having rainfall of 0.01 inch or more in the 82 days. Also, the least rainfall for the entire year of 1930 was 16.15 inches at Perry. Also, in this area, there were 12 or 13 days in the months of July and August, with maximum temperatures of 100 degrees or higher. There

were more 100° days to the southwestward, reaching a maximum of 18 at Glenwood, but in this area there were mitigating showers in the midst of the heat and drouth that saved the corn. The accompanying map shows for each county a comparison of the yield of 1930 with the 10-year average.



The township having the greatest yield of corn per acre in 1930 was Farmersburg Township, Clayton County, with 55.7 bushels, while Fabius Township, Davis County, had the least yield, 13.0 bushels.

As usual, Iowa maintained its far lead over the other States in corn production, and its nearest competitor was Nebraska, for the second time in history.

Increased Oats Production

Oats were raised in 1930 on 6,253,842 acres, which is next to the record oats acreage of 1921. The increase was rather uniformly distributed being greatest in the south and east-central counties, Taylor leading with an increase of about 9,000 acres. There was a slight decrease in a few northwest and central counties. With a yield per acre of 36.6 bushels, which is 1.2 bushels above the 10-year average, the 1930 crop was the fifth largest oats crops of record. The market price of this crop was so low that every bushel was produced at a loss if marketed as grain, but fortunately it was possible to feed most of it to livestock, which gave a somewhat higher return for the crop.

The oats were well out of the way before the drouth of 1930 arrived, and some of the best yields fortunately came in the counties where there was a later corn shortage. The highest yield per acre was 44.9 bushels, in Clayton County, and the lowest was 24.8 bushels in Fremont County. The largest total production was in Kossuth County, where the acreage is usually large, amounting to 177,708 acres in 1930.

Iowa continued its supremacy in oats production, with its usual large lead over its nearest competitor, which is Minnesota.

Barley Continues to Decrease

The land devoted to barley amounted to 457,454 acres, which is a decrease of 134,783 acres, or 23 per cent. The decrease was greatest in the northwest counties, and there was a slight increase in a few southern counties. The average yield per acre was 29.3 bushels, which is 0.6

bushel above the 10-year average. The total production was 13,422,019 bushels, which is a decrease of 3,366,064 bushels, or 20 per cent, as compared with 1929. The feeding and marketing of barley is not so easily handled as that of corn and oats, which probably accounts in a large measure for the decrease. However, with the considerable increase in portable grinders, there seems to be no reason why barley should not have a larger place in the Iowa farm program.

Wheat Production Increased

Both winter wheat and spring wheat showed slight increases in acreage, and both yielded better than the 10-year average, so that the total production of winter wheat increased nearly 13 per cent, and spring wheat 11 per cent. In winter wheat, Monona is by far the leading County, while in spring wheat, Harrison leads. These crops are of minor importance, amounting to only 1.2 per cent of the total acreage in farms. The average yield per acre of winter wheat in Iowa for the past 10 years is 19.6 bushels, which is 41 per cent greater than in the great winter wheat State of Kansas, which indicates that if needs require, Iowa could excel in winter wheat, but finds its program of corn, oats, hay and livestock more profitable.

Tame Hay Crop Shortened

Drouth and heat over much of the State followed the first cutting of tame hay, greatly reduced the second crop, and in fact, not much acreage was cut the second time. The result was, a considerable reduction in the total hay tonnage. There was also a reduction in the total acreage of tame hay, amounting to more than a quarter of a million acres. Red clover and alsike acreages were cut nearly in half to a total of 458,556 acres. Timothy acreage increased about 41 per cent to a total of 478,615 acres. Mixed timothy and clover remaind practically the same. Alfalfa acreage showed its customary gradual increase of nearly 12 per cent, to a total of 451,402 acres, which again sets a new record for Iowa. Minor hay crops, such as millet, Sudan grass, sweet clover, soybeans, grains cut for hay, etc., showed a general decrease all along the line. The general decrease in acreage probably came about from the very large hay production of 1929, which left large stocks on farms.

In spite of the general increase in alfalfa acreage, the sharp decline continued in some of the southwest counties. The farm management program of these counties has undergone radical changes in recent years, particularly in Fremont County, which now has the greatest concentration of corn acreage in the State.

Timothy Seed Production Again Increases

Timothy cut for seed increased 20 per cent in 1930 over the preceeding year, to a total of 176,262 acres. It appears, however, that the center of timothy seed production has permanently departed from its old haunts in south-central Iowa, and taken up its abode in Iowa County and surrounding territory. The average yield per acre was 4.8 bushels, which is unusually good, and the total production of timothy seed was 848,853 bushels, somewhat short of the million bushel mark which was customary for many years.

Large Decrease in Clover Seed

Less than half as many acres of red and alsike clover were cut for seed in 1930 as in 1929. The total acreage harvested was only 118,256. Some of the more severe aspects of the drouth were experienced in the area where clover seed production is usually largest. This resulted in a very large decrease in the acreage harvested in the principal producing counties, and shifted the centers of production to the southwest and extreme northeast counties, which is unusual. Cass County, with 7,582 acres, became the principal producing county, and Clayton, with 6,702 acres, stood second. After all, Iowa stood fifth in clover seed production among the States of the Union.

Sweet clover seed decreased 20 per cent in acreage and increased slightly in total production.

Increased Pig Production Indicated

An increase of 4.3 per cent in the number of sows bred for farrow in the spring of 1931 is shown by assessors' enumerations. The total number of bred sows reported in the spring of 1931 is 1,836,269, compared with 1,760,365 in the spring of 1930. While these figures are known to be deficient as to total numbers, they are rather closely comparable one year with another, and therefore indicate with some certainty the trend of hog production. Since Iowa produces more than one-fourth of all the slaughtered hogs inspected by the United States Bureau of Animal Industry, it is found that the Iowa trend is a fairly good index to hog production throughout the country.

Excepting eleven counties, mostly in south-central Iowa, and the counties of Greene and Plymouth, there has been an increase in every portion of the State. In general, the larger increases are in those portions of the State where the corn yield was not materially reduced by drouth in 1930.

Horse Production Continues Decline

The production of horses and mules continued to decline last year. The number of horse colts under one year old on January 1, 1931 was 31,659, while in 1930 there was a total of 34,515. This is a net decrease of 2,856, or 8.3 per cent. The number of mule colts under one year on January 1, 1931 was 1,694 as compared with 2,324 the previous year. This is a decrease of 630, or 27.1 per cent.

Iowa farmers are not producing enough horses and mules for their own replacement needs at the present time.

Farm-Owned Automobiles Decrease

The most definite decline in numbers of automobiles on farms since automobiles came into use is shown by the enumerations made by assessors. The total number reported was 212,764, which is 4,365 less than in 1930, or a decline of a little more than 2 per cent. In general, the counties that do not have large towns or cities in them show distinct decreases, while the counties having the larger cities show increases of farm-owned automobiles. This goes along with the increase in the number of farms in these counties from people whose business occupies most of their attention in the cities, yet who prefer to live on small farms in the near vicinity, and their automobiles, which have heretofore been classed as city-owned, have now become farm-owned.

The largest decrease in farm-owned automobiles is in Story County, where there are 177 less than a year ago. There are also large decreases from Carroll County east to Marshall County, thence south to Lucas County, and also in the southwest counties. Some years ago it was often publicly stated that lack of prosperity on the farms was due to over-indulgence in automobiles. If that be true then the recent decline in farm automobiles should be taken as positive evidence of returning prosperity. The fact is, farmers as a class have far greater need of automobiles than city residents as a class. To the latter, the automobile is largely a luxury, while to the farmer, it is a positive necessity.

Radio Receiving Sets Increase Slightly

On January 1, 1931, assessors found 102,315 radio receiving sets on Iowa farms, which is an increase of 5,029 or 5 per cent, during the past year. This is nearly a receiving set for each two farms. The increase in radio receiving sets has been slowing down considerably and apparently the saturation point is approaching. There is the possibility, however, that taxation bias has influenced these figures.

Hail Damage in Iowa

Hail damage in Iowa in the year 1930, amounted to $1,598,963, and is the smallest amount of damage in the eight years since assessors began to make enumeration of this feature. The greatest county damage was $551,818 in Woodbury County, and no damage was reported for Clarke, Clinton, Dallas, Des Moines, Henry, Jefferson, Jones, Lee, Mahaska, Mills, Monroe and Van Buren Counties. The greatest township damage was $83,532 in Liston Township, Woodbury County.

GENERAL SUMMARY

Assessors' Crop and Other Farm Statistics for the Year 1930

Total acreage in farms	34,113,021
*Total number of farms	213,993
Average size of farms (acres)	159.4
Number of acres owned by operator (45.2 per cent)	15,405,677
Number of acres rented by operator (54.8 per cent)	18,707,344
Total acreage cultivated crops (Not including wild hay or red clover seed)	21,762,585

ACREAGE, AVERAGE AND TOTAL YIELD OF CROPS

Corn (Total crop, for all purposes)	11,165,548 Acres	33.9 bu.	378,238,147
Corn husked or snapped for grain	9,765,219 "	33.9 "	330,866,910
Corn cut for silage	274,097 "	8.2 tons	2,249,275
Corn cut for fodder	652,594 "	.....	.....
Corn hogged down or grazed off	473,638 "	.....	.....
Oats	6,253,842 "	36.6 bu.	229,045,522
Winter wheat	386,690 "	20.3 "	7,868,010
Spring wheat	38,419 "	16.4 "	631,840
Barley	457,454 "	29.3 "	13,422,019
Rye (for grain)	44,506 "	14.9 "	664,533
Tame hay (all)	2,978,906 "	1.61 tons	4,795,313
Clover hay	458,556 "	1.58 "	725,886
Timothy hay	478,615 "	1.12 "	535,412
Mixed clover and timothy hay	1,476,539 "	1.45 "	2,141,459
Alfalfa hay	451,402 "	2.70 "	1,219,987
All other tame hay	113,794 "	1.52 "	172,569
Wild hay	221,940 "	1.15 "	255,658
Flax seed	19,727 "	11.4 bu.	225,314
Potatoes	44,666 "	70.0 "	3,127,521
Buckwheat	3,042 "	10.8 "	32,776
Soy beans (for beans)	62,690 "	13.7 "	860,036
Pop corn	41,186 "	1236 lbs.	50,889,350
Timothy seed	176,262 "	4.8 bu.	848,853
Clover seed (Red, alsike, etc.)	118,256 "	0.89 "	105,831
Sweet clover seed	6,626 "	3.6 "	24,051
Crops not otherwise enumerated	83,021 "	.....	.....

DUPLICATED AND MISCELLANEOUS ACREAGES

Soy beans, sown with other crops	68,139
†Soy bean hay	48,780
†Millet hay	4,330
†Sudan grass hay	5,015
Sweet clover for all purposes	230,945
Land occupied by farm buildings, feed lots and public highways	1,595,197
Waste land in farms	299,074
Farm wood lots, not pastured	280,698
Crop land lying idle	121,436
Pastures	9,832,091

MISCELLANEOUS ITEMS

Tractors on farms January 1, 1931	58,475
Automobiles on farms January 1, 1931	212,764
Auto trucks on farms January 1, 1931	27,254
Radio receiving sets on farms January 1, 1931	102,315
Apples harvested in 1930, total bushels	206,550
Damage to crops by hail during 1930, dollars	$1,598,963
Colts, number of horses under one year old on farms January 1, 1931	31,659
Colts, number of mules under one year old on farms January 1, 1931	1,694

*A "farm" may consist of any tract of land of not less than three acres, used for agricultural purposes, operated by one person with or without the assistance of his family or hired employees. A partnership is considered as one farm.

†Included in table above as part of "All other tame hay".

COMPARISONS OF ASSESSORS' REPORTS

		Reported for 1929	Reported for 1930	Actual Change	Per cent 1930 is of 1929
Total acreage in farms		34,118,695	34,113,021	— 5,674	100.0
Total number of farms		208,506	213,993	+ 5,487	102.6
Average size of farms (acres)		163.6	159.4	— 4.2	97.4
Number of acres owned by operator		15,568,458	15,405,677	— 162,781	99.0
Number of acres rented by operator		18,550,237	18,707,344	+ 157,107	100.8
Total net acreage of cultivated crops		21,542,632	21,762,585	+ 219,953	101.0
Corn (Total for all purposes)	Acres	10,882,853	11,165,548	+ 282,695	102.6
Corn husked or snapped for grain	"	9,620,446	9,765,219	+ 144,773	101.5
Corn cut for silage	"	238,976	274,097	+ 35,121	114.7
Corn cut for fodder	"	397,070	652,594	+ 255,524	164.4
Corn hogged down or grazed off	"	626,361	473,638	— 152,723	75.6
Oats	"	5,997,382	6,253,842	+ 256,460	104.3
Winter wheat	"	379,234	386,690	+ 7,456	102.0
Spring wheat	"	37,330	38,419	+ 1,089	103.0
Barley	"	592,237	457,454	— 134,783	77.2
Rye (for grain)	"	44,217	44,506	+ 289	100.7
Tame hay (Total, all varieties)	"	3,238,078	2,978,906	— 259,172	92.0
Clover hay	"	884,727	458,556	— 426,171	51.8
Timothy hay	"	340,526	478,615	+ 138,089	140.6
Mixed clover and timothy hay	"	1,481,208	1,476,539	— 4,669	99.7
Alfalfa hay	"	404,720	451,402	+ 46,682	111.5
All other tame hay	"	126,897	113,794	— 13,103	89.7
Wild hay	"	240,250	221,940	— 18,310	92.4
Flax seed	"	12,828	19,727	+ 6,899	153.8
Potatoes	"	51,564	44,666	— 6,898	86.6
Buckwheat	"	8,376	3,042	— 5,334	36.3
Soy beans (for beans)	"	35,379	62,690	+ 27,311	177.2
Pop corn	"	26,263	41,186	+ 14,923	156.8
Timothy seed	"	146,753	176,262	+ 29,509	120.1
Clover seed (Red, Alsike, etc.)	"	248,874	118,256	— 130,618	47.5
Sweet clover seed	"	8,296	6,626	— 1,670	79.9
Crops not otherwise enumerated	"	81,842	83,021	+ 1,179	101.4
Soy beans, sown with other crops	"	79,490	68,139	— 11,351	85.7
Soy bean hay	"	36,508	48,780	+ 12,172	133.6
Millet hay	"	9,298	4,330	— 4,968	46.6
Sudan grass hay	"	7,830	5,015	— 2,815	64.0
Sweet clover for all purposes	"	291,748	230,945	— 60,803	79.2
Buildings, feed lots, highways	"	1,597,875	1,595,197	— 2,678	99.8
Waste land in farms	"	323,238	299,074	— 24,164	92.5
Farm wood lots, not pastured	"	247,579	280,698	+ 33,119	113.4
Crop land lying idle	"	193,963	121,436	— 72,527	62.6
Pastures	"	9,973,158	9,832,091	— 141,067	98.6

PRODUCTION OF PRINCIPAL CROPS

Corn (Total crops)	Bus.	429,657,683	378,238,147	—51,419,536	88.0
Corn husked or snapped for grain	"	380,973,186	330,866,910	—50,106,276	86.8
Corn put up for silage	Tons	2,078,923	2,249,275	+ 170,352	108.2
Oats	Bus.	209,798,316	229,045,522	+19,247,206	109.2
Winter wheat	"	6,989,109	7,868,010	+ 878,901	112.6
Spring wheat	"	569,955	631,840	+ 61,885	110.9
Barley	"	16,788,083	13,422,019	— 3,366,064	80.0
Rye (for grain)	"	642,553	664,533	+ 21,980	103.4
Tame hay (all varieties)	Tons	6,406,123	4,795,313	— 1,610,810	74.9
Clover hay	"	1,886,547	725,886	— 1,160,661	38.5
Timothy hay	"	459,174	535,412	+ 76,238	116.6
Mixed clover and timothy hay	"	2,598,057	2,141,459	— 456,598	82.4
Alfalfa hay	"	1,247,580	1,219,987	— 27,593	97.8
All other tame hay	"	214,765	172,569	— 42,196	80.4
Wild hay	"	322,075	255,658	— 66,417	79.4
Flax seed	Bus.	108,940	225,314	+ 116,372	206.8
Potatoes	"	5,326,184	3,127,521	— 2,198,663	58.7
Buckwheat	"	92,263	32,776	— 59,487	35.5
Soy beans	"	484,728	860,036	+ 375,308	177.4
Pop corn	Lbs.	40,039,076	50,889,350	+10,850,274	127.1
Timothy seed	Bus.	530,395	848,853	+ 318,458	160.0
Clover seed (Red, Alsike, etc.)	"	229,109	105,831	— 123,278	46.2
Sweet clover seed	"	22,688	24,051	+ 1,363	106.0
Apples	"	420,201	206,550	— 213,651	49.2

MISCELLANEOUS ITEMS

Tractors on farms January 1, 1930 and 1931	No.	55,065	58,475	+ 3,410	106.2
Autos on farms January 1, 1930 and 1931	"	217,129	212,764	— 4,365	98.0
Auto trucks on farms January 1, 1930 and 1931	"	26,473	27,254	+ 781	103.0
Radio sets on farms January 1, 1930 and 1931	"	97,286	102,315	+ 5,029	105.2
Colts on farms Jan. 1, 1930 and 1931 (Horses)	"	34,515	31,659	— 2,856	91.7
Colts on farms Jan. 1, 1930 and 1931 (Mules)	"	2,324	1,694	— 630	72.9
Damage to crops by hail	Dollars	3,541,179	1,598,963	— 1,942,216	45.2

TABLE NO. 1

Total number, average size and total acreage in farms; number of acres owned and rented by operators of farms; total acreage occupied by farm buildings, public highways and feed lots; total acreage in farm wood lots, waste land and crop land lying idle; estimated amount of damage to crops by hail; total number tractors, automobiles, auto trucks, radio receiving sets and colts under one year of age, on farms; for the year 1930, all by counties.

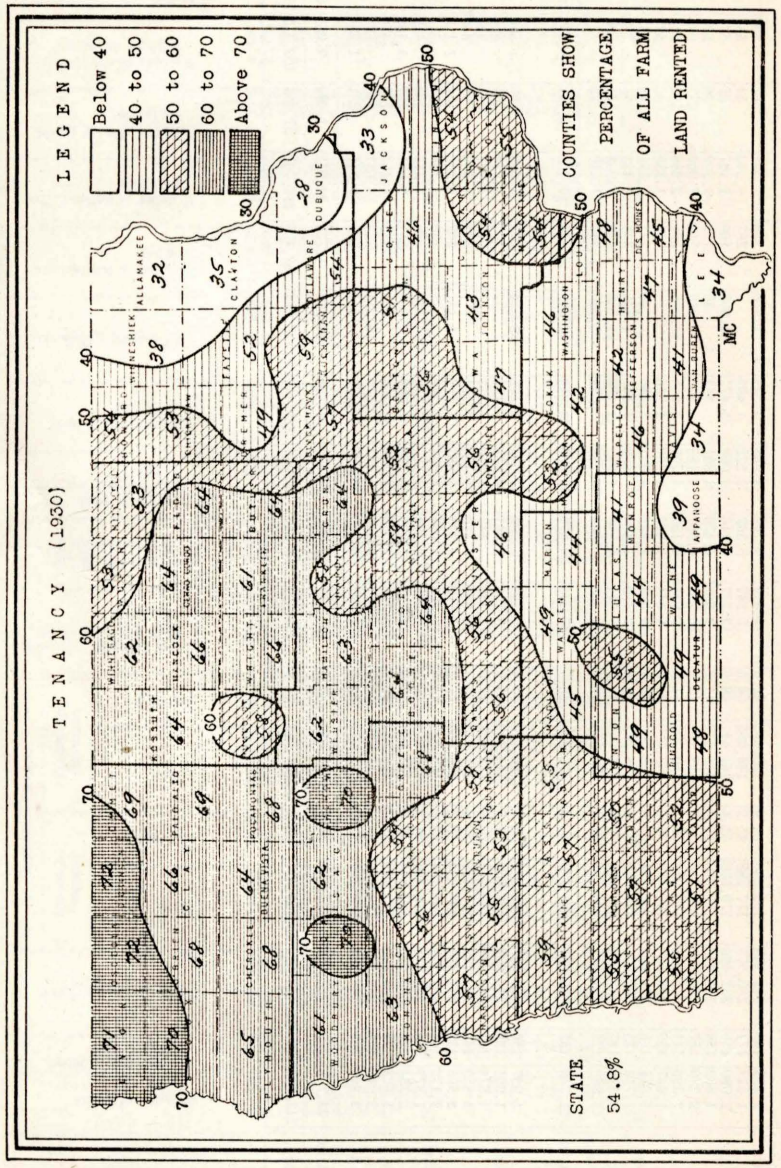
Districts and Counties	Number of farms	Average size of farms (acres)	Total acreage in farms	Tenure of Acreage: Owned by Operator, Acres	Owned by Operator, Per cent	Rented by Operator, Acres	Rented by Operator, Per cent	Acres occupied by bldgs., feed lots and public highways	Acreage in wood lots used for timber only	Acreage in waste land not utilized for any purpose	Acreage in crop land lying idle	Hail damage (Dollars)	Number of tractors on farms	Number of automobiles on farms	Number of auto trucks on farms	Number of radio receiving sets on farms	Colts Under 1 Year Old on Farms, Jan. 1, 1931: Horses	Colts Under 1 Year Old on Farms, Jan. 1, 1931: Mules
Northwest—																		
Buena Vista	2,065	173	358,220	128,728	35.9	229,492	64.1	20,286	250	640	200	2,358	866	2,217	495	1,133	359	17
Cherokee	1,880	160	359,401	116,420	32.4	242,981	67.6	20,385	469	1,172	113	6,214	747	2,136	281	1,138	358	11
Clay	1,835	191	349,569	119,344	34.1	230.225	65.9	19,675	955	944	230	3,265	776	2,009	272	1,070	415	10
Dickinson	1,225	192	234,832	65,204	27.8	169,628	72.2	11,753	297	1,260	45	5,296	365	1,211	221	635	399	13
Emmet	1,275	193	245,446	75,342	30.7	170,104	69.3	11,832	1,139	2,670	41	5,709	485	1,338	240	648	326	13
Lyon	1,862	196	364,713	104,582	28.7	260,131	71.3	18,578	704	456	132	6,385	531	2,176	297	928	429	6
O'Brien	1,926	183	353,322	112,790	31.9	240,532	68.1	20,389	73	289	21	20,617	800	2,200	299	1,173	378	3
Osceola	1,309	191	250,093	70,005	28.0	180,088	72.0	13,362	76	648	262	6,577	392	1,513	197	619	295	4
Palo Alto	1,836	187	344,014	106,515	31.0	237,499	69.0	17,348	154	1,086	68	7,545	553	1,832	279	867	425	6
Plymouth	2,942	184	541,045	190,983	35.3	350,062	64,7	28,904	283	744	1,211	103,255	1,131	3,314	594	1,709	606	25
Pocahontas	2,059	174	357,818	113,695	31.8	244,123	68.2	20,436	264	2,318	38	9,785	1,004	2,065	496	1,076	359	11
Sioux	2,863	165	472,353	143,674	30.4	328,679	69.6	24,644	271	712	220	28,095	682	3,401	300	1,204	503	6
For District	23,087	183	4,230,826	1,347,282	31.8	2,883,544	68.2	227,592	4,935	12,939	2,581	205,101	8,332	25,412	3,971	12,200	4,852	125
North Central—																		
Butler	2,232	158	353,250	127,367	36.1	225,883	63.9	19,277	1,075	1,767	336	9,880	492	2,351	248	890	466	3
Cerro Gordo	1,977	176	348,825	126,378	36.2	222,447	63.8	18,101	447	1,893	501	695	559	2,041	239	967	386	8
Floyd	1,831	165	302,374	109,031	36.1	193,343	63.9	15,755	561	770	213	15,636	481	1,693	138	746	302	7
Franklin	2,107	172	361,743	140,313	38.8	221,430	61.2	21,011	679	988	83	15,071	756	2,621	296	1,110	488	6
Hancock	1,946	182	353,528	121,666	34.4	231,862	65.6	18,970	415	1,992	1,574	63,254	717	2,122	247	1,014	402	11
Humboldt	1,503	177	266,093	110,734	41.6	155,359	58.4	15,712	483	796	88	2,100	557	1,646	197	705	312	3
Kossuth	3,007	200	602,659	217,708	36.1	384,951	63.9	32,169	204	4,325	405	23,192	1,204	3,337	651	1,445	655	16
Mitchell	1,758	162	284,828	134,688	47.3	150,140	52.7	14,846	1,528	922	1,585	401	459	1,707	191	793	278	5
Winnebago	1,593	155	247,664	94,596	38.2	153,068	61.8	15,116	533	2,942	596	320	392	1,711	176	601	340	8
Worth	1,592	156	248,378	116,557	46.9	131,821	53.1	14,617	762	1,177	1,503	130	464	1,682	199	691	250	17
Wright	1,998	180	360,146	123,182	34.2	236,964	65.8	19,028	1,055	1,582	366	6,690	866	2,138	413	1,151	419	9
For District	21,544	173	3,729,488	1,422,220	38.1	2,307,268	61.9	204,602	7,742	19,154	7,250	137,369	6,947	23,049	2,995	10,113	4,298	93

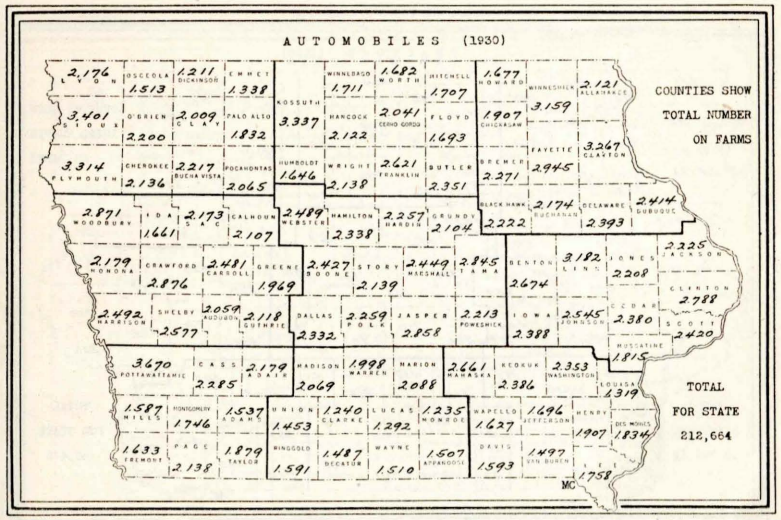
Northeast—																		
Allamakee	2,256	170	382,798	258,273	67.5	124,525	32.5	11,529	38,075	26,623	980	285	359	2,121	214	889	372	4
Blackhawk	2,404	142	340,504	145,922	42.9	194,582	57.1	17,481	591	2,898	1,212	24,483	673	2,222	421	1,028	291	13
Bremer	2,056	129	264,674	135,970	51.4	128,704	48.6	13,415	1,718	1,129	109	16,876	592	2,271	287	618	190	2
Buchanan	2,254	156	350,732	144,945	41.3	205,787	58.7	16,671	804	1,976	2,091	86,136	364	2,174	193	809	442	8
Chickasaw	2,000	151	302,189	142,311	47.1	159,878	52.9	15,727	2,228	988	651	870	338	1,907	155	778	348	4
Clayton	3,117	149	465,730	301,865	64.8	163,865	35.2	18,355	27,504	8,023	439	6,164	888	3,267	561	1,492	439	2
Delaware	2,253	157	353,416	164,472	46.5	188,944	53.5	15,554	1,823	4,400	710	2,671	474	2,393	209	864	336	12
Dubuque	2,271	160	363,653	262,878	72.3	100,775	27.7	11,164	8,727	7,238	244	310	468	2,414	328	960	353	11
Fayette	3,128	142	444,103	215,528	48.5	228,575	51.5	21,271	3,571	4,109	1,061	1,505	483	2,945	299	1,084	505	10
Howard	1,740	169	293,722	133,941	45.6	159,781	54.4	13,759	1,825	988	3,115	3,031	327	1,677	155	647	272	10
Winneshiek	2,843	149	424,116	261,029	61.5	163,087	38.5	19,946	9,724	8,215	457	925	638	3,159	294	1,364	490	6
For District	26,322	151	3,985,637	2,167,134	54.4	1,818,503	45.6	174,872	96,590	66,587	11,069	143,256	5,604	26,550	3,116	10,533	4,038	82
West Central—																		
Audubon	1,791	156	280,248	130,977	46.7	149,271	53.3	14,166	955	426	310	342	484	2,059	250	1,020	242	18
Calhoun	2,016	174	351,008	105,143	30.0	245,865	70.0	18,335	94	1,089	19	11,092	771	2,107	377	1,130	448	44
Carroll	2,216	160	355,254	153,924	43.3	201,330	56.7	20,188	546	2,572	167	3,365	699	2,481	429	1,316	314	17
Crawford	2,599	172	446,004	198,199	44.4	247,805	55.6	24,354	461	1,956	410	528	959	2,876	303	1,536	375	8
Greene	2,081	169	351,060	112,443	32.0	238,617	68.0	16,263	55	1,621	33	1,200	659	2,069	298	1,068	399	8
Guthrie	2,338	157	367,311	153,771	41.9	213,540	58.1	16,389	4,030	3,103	259	905	445	2,118	219	1,094	332	21
Harrison	2,764	152	419,809	179,272	42.7	240,537	57.3	19,614	3,144	10,756	331	14,957	732	2,492	173	1,344	294	29
Ida	1,443	188	270,895	80,655	29.8	190,240	70.2	14,720	154	546	563	137,837	530	1,661	187	859	254	10
Monona	2,143	194	415,401	153,698	37.0	261,703	63.0	16,659	2,444	7,537	2,056	16,203	901	2,179	251	1,200	259	11
Sac	1,931	181	349,331	133,537	38.2	215,794	61.8	19,833	50	786	22	26,035	813	2,173	466	1,267	352	19
Shelby	2,204	166	366,652	165,438	45.1	201,214	54.9	17,734	690	1,174	167	12,208	676	2,577	210	1,505	478	41
Woodbury	3,039	172	522,292	205,785	39.4	316,507	60.6	24,534	5400	5,165	11,922	551,818	1,007	2,871	308	1,412	449	32
For District	26,565	169	4,495,265	1,772,842	39.4	2,722,423	60.6	222,789	18,023	36,731	16,259	776,490	8,676	27,663	3,471	14,751	4,196	258
Central—																		
Boone	2,473	141	348,530	124,572	35.7	223,958	64.3	17,180	895	1,440	205	300	726	2,427	433	1,245	425	17
Dallas	2,319	157	363,820	160,787	44.2	203,033	55.8	17,490	2,495	3,463	185	.....	870	2,332	562	1,247	354	14
Grundy	1,765	176	309,929	112,875	36.4	197,054	63.6	17,645	52	136	4	3,765	563	2,104	324	909	230	15
Hamilton	2,234	159	355,218	131,743	37.1	223,475	62.9	18,112	608	1,094	94	5,003	880	2,338	433	1,222	412	3
Hardin	2,158	162	349,076	146,468	42.0	202,608	58.0	20,054	1,042	1,392	126	5,830	660	2,257	245	1,040	332	6
Jasper	2,924	154	449,532	243,200	54.1	206,332	45.9	21,669	1,172	2,192	147	18,630	803	2,858	359	1,400	423	32
Marshall	2,217	158	350,119	142,160	40.6	207,959	59.4	18,711	783	935	169	111	801	2,449	305	1,261	444	6
Polk	2,704	118	320,273	139,450	43.5	180,823	56.5	16,240	1,125	2,660	358	28,831	710	2,259	575	1,205	236	10
Poweshiek	2,159	170	366,984	160,190	43.7	206,794	56.3	14,153	2,196	710	508	2,755	763	2,213	286	1,142	381	13
Story	2,207	157	346,649	123,034	35.5	223,615	64.5	17,529	231	561	720	.....	693	2,139	368	1,030	332	13
Tama	2,647	167	441,193	212,155	48.1	229,038	51.9	22,460	8,530	3,875	559	2,166	884	2,845	552	1,326	406	19
Webster	2,573	167	430,125	164,229	38.2	265,896	61.8	18,035	2,084	2,924	133	5,955	1,142	2,489	392	1,261	390	20
For District	28,380	156	4,431,448	1,860,863	42.0	2,570,585	58.0	219,278	21,213	21,382	3,208	73,346	9,495	28,710	4,834	14,288	4,365	168

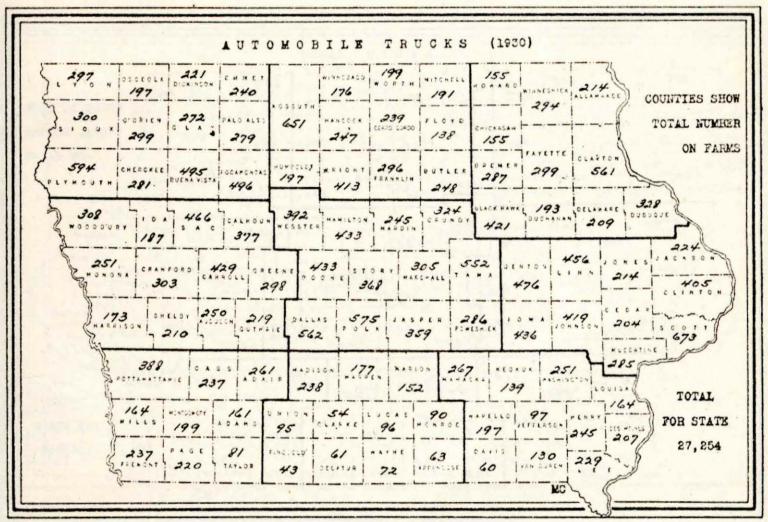
TABLE NO. 1—Continued

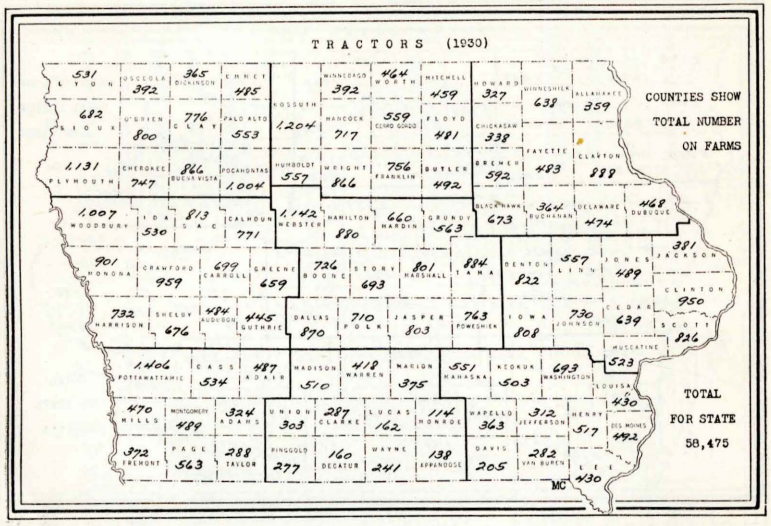
Districts and Counties	Number of farms	Average size of farms (acres)	Total acreage in farms	Tenure of Acreage: Owned by Operator: Acres	Owned by Operator: Per cent	Rented by Operator: Acres	Rented by Operator: Per cent	Acres occupied by bldgs., feed lots and public highways	Acreage in wood lots used for timber only	Acreage in waste land not utilized for any purpose	Acreage in crop land lying idle	Hail damage (Dollars)	Number of tractors on farms	Number of automobiles on farms	Number of auto trucks on farms	Number of radio receiving sets on farms	Colts Under 1 Year Old on Farms, Jan. 1, 1931: Horses	Colts Under 1 Year Old on Farms, Jan. 1, 1931: Mules
East Central—																		
Benton	2,589	170	440,552	194,644	44.2	245,908	55.8	21,646	1,963	923	454	46,639	822	2,674	476	1,466	491	14
Cedar	2,224	158	350,448	162,029	46.2	188,419	53.8	15,563	3,154	1,489	451	14,370	639	2,380	204	1,103	265	10
Clinton	2,859	148	423,343	192,837	45.6	230,506	54.4	18,899	3,622	3,289	682	.....	950	2,788	405	1,403	326	12
Iowa	2,210	163	361,205	190,294	52,7	170,911	47.3	16,166	8,502	6,305	336	345	808	2,388	436	1,207	363	25
Jackson	2,321	166	385,858	259,124	67.2	126,734	32.8	10,914	5,409	6,219	391	2,600	381	2,225	224	1,035	261	17
Johnson	2,560	144	368,868	210,596	57.1	158,272	42.9	13,280	7,570	5,538	844	22,529	730	2,545	419	1,257	266	18
Jones	2,341	151	352,950	191,053	54.1	161,897	45.9	13,074	5,164	2,655	555	.....	489	2,208	214	980	255	14
Linn	3,515	119	418,818	206,642	49.3	212,176	50.7	16,377	4,237	3,275	1,308	5,219	557	3,182	456	1,354	281	16
Muscatine	1,745	147	256,177	117,422	45.8	138,755	54.2	10,316	1,364	3,153	3,964	324	523	1,815	285	880	172	4
Scott	2,161	124	268,284	120,181	44.8	148,103	55.2	11,683	1,780	1,508	1,126	7,107	826	2,420	673	1,287	179	11
For District	24,525	148	3,626,503	1,844,822	50.9	1,781,681	49.1	147,918	42,765	34,354	10,111	99,133	6,725	24,625	3,792	11,972	2,859	141
Southwest—																		
Adair	2,157	167	359,266	163,284	45.4	196,032	54.6	17,921	1,575	1,259	435	300	487	2,179	261	1,184	357	13
Adams	1,694	157	265,531	133,329	50.2	132,202	49.8	12,251	450	1,716	170	15	324	1,537	161	1,055	124	29
Cass	2,127	165	351,862	150,400	42.7	201,462	57.3	15,300	906	1,349	664	3,286	534	2,285	237	1,282	272	24
Fremont	1,758	170	298,904	135,727	45.4	163,177	54.6	13,032	6,761	6,992	7,082	20,416	372	1,633	237	965	132	44
Mills	1,647	157	258,117	117,002	45.3	141,115	54.7	11,417	2,317	3,783	443	.....	470	1,587	164	981	108	32
Montgomery	1,609	163	262,540	114,039	43.4	148,501	56.6	12,871	1,010	2,845	216	2,576	489	1,746	199	1,118	141	19
Page	2,218	150	332,108	161,998	48.8	170,110	51.2	14,984	1,574	1,991	627	11,758	563	2,138	220	1,317	171	46
Pottawattamie	3,665	151	552,904	228,998	41.4	323,906	58.6	27,005	2,204	4,446	613	37,666	1,406	3,670	388	2,283	344	24
Taylor	2,228	148	329,034	157,927	48.0	171,107	52.0	14,693	2,381	2,126	2,191	3,441	288	1,879	81	1,117	281	27
For District	19,103	158	3,010,266	1,362,654	45.3	1,647,612	54.7	139,474	19,178	26,507	12,441	79,458	4,933	18,654	1,948	11,302	1,930	258

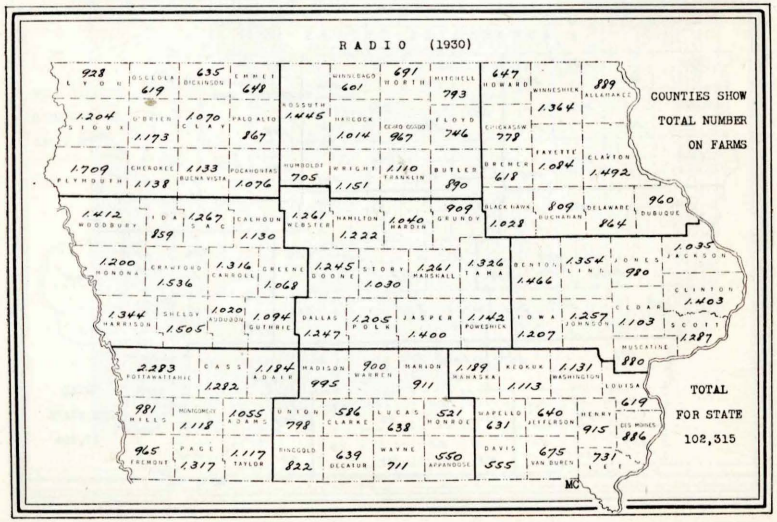
South Central—																		
Appanoose	2,232	140	312,958	192,266	61.4	120,692	38.6	11,814	2,744	3,268	3,241	1,876	138	1,507	63	550	240	41
Clarke	1,524	171	260,973	117,888	45.2	143,085	54.8	10,247	5,353	2,522	1,499	.....	287	1,240	54	586	211	29
Decatur	2,090	159	332,120	170,609	51.4	161,511	48.6	12,777	6,116	9,068	5,477	4,005	160	1,487	61	639	201	22
Lucas	1,669	158	263,638	147,066	55.8	116,572	44.2	9,892	4,479	3,801	843	30	162	1,292	96	638	248	20
Madison	2,230	157	350,826	192,390	54.8	158,436	45.2	16,992	4,567	3,185	999	1,840	510	2,069	238	995	272	22
Marion	2,399	141	339,258	189,056	55.7	150,202	44.3	12,041	4,150	4,798	1,265	11,215	375	2,088	152	911	364	51
Monroe	1,697	152	258,569	152,479	59.0	106,090	41.0	9,543	1,847	3,252	1,236	.....	114	1,235	90	521	130	22
Ringgold	1,938	169	327,424	168,831	51.6	158,593	48.4	13,567	3,226	4,021	3,180	40	277	1,591	43	822	305	47
Union	1,713	153	262,534	134,332	51.2	128,202	48.8	12,495	1,806	899	1,367	1,335	303	1,453	95	798	185	23
Warren	2,388	145	346,023	175,074	50.6	170,949	49.4	15,014	5,048	4,981	1,173	21,185	418	1,998	177	900	242	10
Wayne	1,880	171	321,513	165,139	51.4	156,374	48.6	12,763	534	2,298	3,039	2,015	241	1,510	72	711	271	43
For District	21,760	155	3,375,836	1,805,130	53.5	1,570,706	46.5	137,145	39,870	42,093	23,319	43,541	2,985	17,470	1,141	8,071	2,669	330
Southeast—																		
Davis	1,987	156	309,625	203,082	65.6	106,543	34.4	9,429	3,900	3,303	1,502	6,310	205	1,593	60	555	203	38
Des Moines	1,904	129	246,029	134,900	54.8	111,129	45.2	8,798	3,046	4,866	2,176	.....	492	1,834	207	886	145	2
Henry	1,874	141	263,299	139,672	53.0	123,627	47.0	11,112	447	1,514	4,371	.....	517	1,907	245	915	257	18
Jefferson	1,859	142	263,726	151,779	57.6	111,947	42.4	10,080	412	1,556	3,274	.....	312	1,696	97	640	216	26
Keokuk	2,595	138	357,454	208,099	58.2	149,355	41.8	15,792	4,373	3,893	1,812	1,481	503	2,386	139	1,113	356	44
Lee	2,172	141	307,274	201,136	65.5	106,138	34.5	10,001	1,694	4,134	8,188	.....	430	1,758	229	731	226	20
Louisa	1,377	166	228,778	118,480	51.8	110,298	48.2	8,463	3,198	3,925	3,519	120	430	1,319	164	619	150	14
Mahaska	2,754	128	352,327	167,369	47.5	184,958	52.5	15,186	1,989	5,729	692	.....	551	2,661	267	1,189	243	27
Van Buren	1,923	153	293,340	173,493	59.1	119,847	40 9	9,345	2,229	3,199	2,365	.....	282	1,497	130	675	268	21
Wapello	2,015	128	258,862	138,929	53.7	119,933	46.3	8,974	3,345	4,181	2,547	33,244	363	1,627	197	631	127	15
Washington	2,247	154	347,038	185,791	53.5	161,247	46.5	14,347	5,749	3,027	4,752	114	693	2,353	251	1,131	261	14
For District	22,707	142	3,227,752	1,822,730	56.5	1,405,022	43.5	121,527	30,382	39,327	35,198	41,269	4,778	20,631	1,986	9,085	2,452	239
For State	213,993	159	34,113,021	15,405,677	45.2	18,707,344	54.8	1,595,197	280,698	299,074	121,436	1,598,963	58,475	212,764	27,254	102,315	31,659	1,694

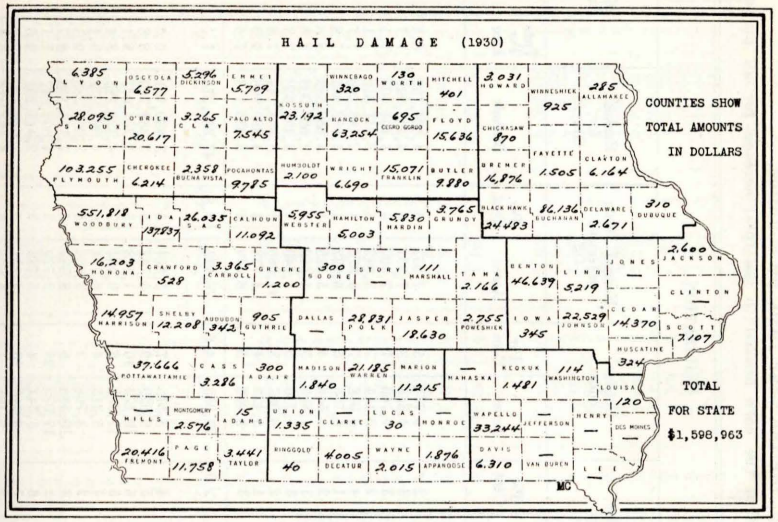

TENANCY (1930)
LEGEND
Below 40
40 to 50
50 to 60
60 to 70
Above 70
COUNTIES SHOW PERCENTAGE OF ALL FARM LAND RENTED
STATE 54.8%


AUTOMOBILES (1930)
COUNTIES SHOW TOTAL NUMBER ON FARMS
TOTAL FOR STATE 212,664


AUTOMOBILE TRUCKS (1930)
COUNTIES SHOW TOTAL NUMBER ON FARMS
TOTAL FOR STATE 27,854


TRACTORS (1930)
COUNTIES SHOW TOTAL NUMBER ON FARMS
TOTAL FOR STATE 58,475


RADIO (1930)
COUNTIES SHOW TOTAL NUMBER ON FARMS
TOTAL FOR STATE 102,315


HAIL DAMAGE (1930)
COUNTIES SHOW TOTAL AMOUNTS IN DOLLARS
TOTAL FOR STATE $1,598,963

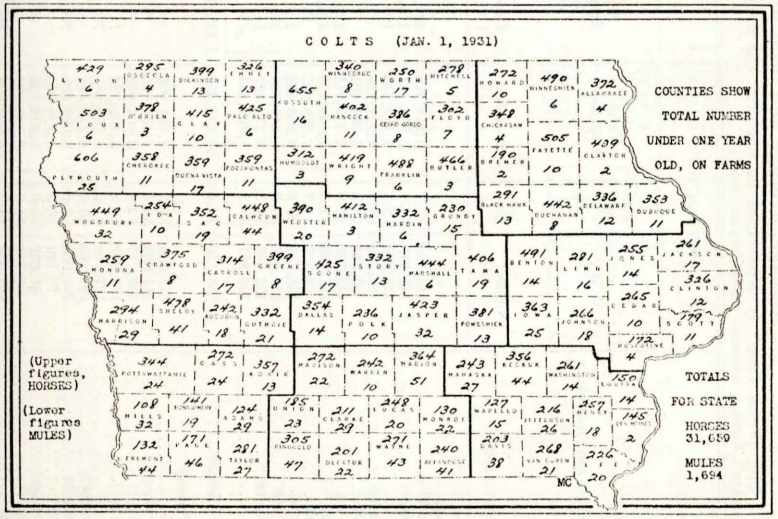

COLTS (JAN. 1, 1931)
COUNTIES SHOW TOTAL NUMBER UNDER ONE YEAR OLD, ON FARMS
(Upper figures, HORSES)
(Lower figures MULES)
TOTALS FOR STATE
HORSES 31,659
MULES 1,694

TABLE NO. 2

Acreage, average and total production of corn, for the year 1930, by counties.

(Note: The "Total Crop" is determined by applying the average yield per acre of the corn husked to the total acreage for all purposes. The "utilization" figuers assume whole plant used.)

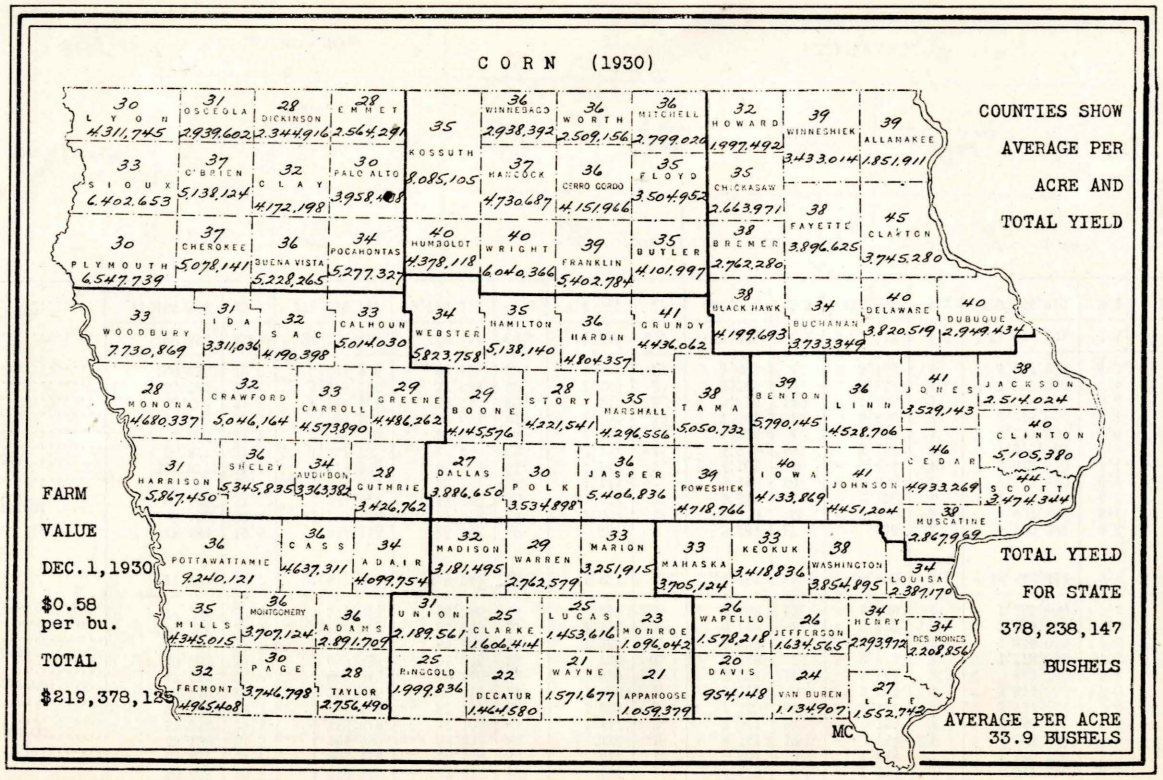
Districts and Counties	TOTAL CROP			UTILIZATION									
	Acres	Average Per Acre	Total Production	Husked or Snapped for Grain		Cut for Silage		Cut for Fodder		Hogged Down or Grazed Off		Husked for Grain	Silage Put Up	
	Number	Bu.	Bushels	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Bushels	Tons Per Acre	Total Tons
Northwest—														
Buena Vista	146,450	35.7	5,228,265	129,647	88	2,472	2	6,774	5	7,557	5	4,624,792	8.5	21,015
Cherokee	137,619	36.9	5,078,141	120,992	88	3,828	3	4,848	3	7,951	6	4,468,997	7.7	29,319
Clay	129,975	32.1	4,172,198	108,853	84	3,933	3	9,780	7	7,409	6	3,494,405	7.1	27,904
Dickinson	83,747	28.0	2,344,916	71,950	86	1,741	2	6,114	7	3,942	5	2,011,316	7.1	12,448
Emmet	90,611	28.3	2,564,291	77,315	85	3,344	4	6,078	7	3,874	4	2,185,296	7.7	25,606
Lyon	142,773	30.2	4,311,745	128,608	90	1,358	1	6,775	5	6,032	4	3,882,955	7.8	10,597
O'Brien	137,383	37.4	5,138,124	124,222	90	2,020	2	5,546	4	5,595	4	4,650,382	8.6	17,395
Osceola	93,917	31.3	2,939,602	83,346	89	1,016	1	4,895	5	4,660	5	2,607,008	8.8	8,940
Palo Alto	133,731	29.6	3,958,438	117,083	88	3,378	3	7,730	5	5,540	4	3,494,859	7.3	24,534
Plymouth	216,097	30.3	6,547,739	195,550	90	3,374	2	6,087	3	11,086	5	5,932,149	7.8	26,187
Pocahontas	152,966	34.5	5,277,327	141,474	92	1,330	1	5,424	4	4,738	3	4,880,998	9.0	11,962
Sioux	192,851	33.2	6,402,653	169,726	88	4,674	3	9,902	5	8,549	4	5,633,118	7.6	35,625
For District	1,658,120	34.6	53,963,439	1,468,766	88.6	32,468	2.0	79,953	4.8	76,933	4.6	47,866,275	7.7	251,532
North Central—														
Butler	116,534	35.2	4,101,997	97,351	84	5,074	4	8,515	7	5,594	5	3,430,131	9.0	45,489
Cerro Gordo	114,065	36.4	4,151,966	92,528	81	5,874	5	9,920	9	5,743	5	3,368,780	8.8	51,599
Floyd	100,717	34.8	3,504,952	79,449	79	6,217	6	10,173	10	4,878	5	2,764,677	8.1	50,403
Franklin	139,247	38.8	5,402,784	111,531	80	7,104	5	11,208	8	9,404	7	4,326,883	8.4	59,922
Hancock	127,169	37.2	4,730,687	109,673	86	5,407	4	5,315	4	6,774	6	4,084,974	9.1	49,041
Humboldt	109,180	40.1	4,378,118	98,874	91	2,669	2	3,768	3	3,869	4	3,965,283	9.1	24,408
Kossuth	231,003	35.0	8,085,105	204,472	88	7,006	3	10,536	5	8,989	4	7,156,198	8.7	60,736
Mitchell	77,108	36.3	2,799,020	44,301	57	9,949	13	19,079	25	3,779	5	1,606,047	7.1	70,817
Winnebago	81,622	36.0	2,938,392	67,168	83	5,180	6	3,541	4	5,733	7	2,416,203	9.0	46,725
Worth	68,744	36.5	2,509,156	52,735	77	4,618	7	6,940	10	4,451	6	1,926,690	9.0	41,690
Wright	149,885	40.3	6,040,366	135,235	90	2,564	2	6,191	4	5,895	4	5,454,430	9.2	23,585
For District	1,315,274	37.0	48,642,543	1,093,317	83.1	61,662	4.7	95,186	7.2	65,109	5.0	40,500,296	8.5	524,415

Northeast—														
Allamakee	47,853	38.7	1,851,911	38,512	81	4,410	9	2,491	5	2,440	5	1,491,285	8.5	37,583
Blackhawk	111,103	37.8	4,199,693	89,254	80	7,591	7	9,530	9	4,728	4	3,376,072	9.4	71,456
Bremer	72,311	38.2	2,762,280	59,480	82	6,247	9	4,936	7	1,648	2	2,274,940	10.6	66,167
Buchanan	108,844	34.3	3,733,349	76,901	70	4,135	4	22,828	21	4,980	5	2,634,492	8.8	36,201
Chickasaw	75,681	35.2	2,663,971	55,838	74	6,277	8	10,620	14	2,946	4	1,964,336	8.4	52,621
Clayton	83,600	44.8	3,745,280	67,793	81	7,449	9	2,543	3	5,815	7	3,039,612	9.3	69,459
Delaware	96,722	39.5	3,820,519	74,710	77	8,215	8	8,416	9	5,381	6	2,948,860	8.6	70,977
Dubuque	73,369	40.2	2,949,434	64,425	88	3,150	4	2,405	3	3,389	5	2,589,651	7.9	24,956
Fayette	103,910	37.5	3,896,625	80,136	77	9,825	9	9,983	10	3,966	4	3,007,289	8.9	87,266
Howard	61,651	32.4	1,997,492	38,572	62	7,279	12	13,338	22	2,462	4	1,250,310	7.4	54,070
Winneshiek	88,026	39.0	3,433,014	62,970	71	8,032	9	10,417	12	6,607	8	2,457,939	7.9	63,300
For District	923,070	38.0	35,053,568	708,591	76.8	72,610	7.9	97,507	10.5	44,362	4.8	27,034,786	8.7	634,056
West Central—														
Audubon	98,923	34.0	3,363,382	91,425	92	1,127	1	2,866	3	3,505	4	3,107,840	8.7	9,796
Calhoun	151,025	33.2	5,014,030	143,998	95	473	0	3,435	3	3,119	2	4,783,057	7.1	3,370
Carroll	139,024	32.9	4,573,890	126,640	91	1,435	1	6,015	4	4,934	4	4,163,465	7.5	10,832
Crawford	159,185	31.7	5,046,164	142,483	89	1,370	1	5,804	4	9,528	6	4,522,724	6.6	9,052
Greene	155,773	28.8	4,486,262	137,078	88	862	1	13,597	8	4,236	3	3,949,575	7.7	6,623
Guthrie	122,823	27.9	3,426,762	110,530	90	577	0	8,241	7	3,475	3	3,085,264	7.8	4,499
Harrison	188,664	31.1	5,867,450	179,283	95	902	0	2,991	2	5,488	3	5,577,537	7.8	7,032
Ida	105,447	31.4	3,311,036	91,302	86	925	1	6,016	6	7,204	7	2,869,512	8.2	7,570
Monona	167,754	27.9	4,680,337	152,640	91	771	0	6,237	4	8,106	5	4,255,656	7.2	5,575
Sac	130,542	32.1	4,190,398	116,824	90	1,616	1	6,573	5	5,529	4	3,745,575	7.5	12,156
Shelby	149,325	35.8	5,345,835	138,648	93	836	1	3,637	2	6,204	4	4,966,034	8.0	6,718
Woodbury	233,561	33.1	7,730,869	209,675	90	3,586	2	7,435	3	12,865	5	6,949,296	7.3	26,324
For District	1,802,046	31.6	57,036,415	1,640,526	91.0	14,480	0.8	72,847	4.1	74,193	4.1	51,975,535	7.6	109,547
Central—														
Boone	141,006	29.4	4,145,576	122,184	87	1,767	1	13,564	10	3,491	2	3,588,455	7.4	13,105
Dallas	143,950	27.0	3,886,650	119,786	83	2,670	2	17,057	12	4,437	3	3,233,202	4.1	10,862
Grundy	108,727	40.8	4,436,062	97,585	90	2,542	2	4,494	4	4,106	4	3,986,175	8.8	22,436
Hamilton	146,804	35.0	5,138,140	129,089	88	2,045	1	9,737	7	5,933	4	4,512,590	8.5	17,344
Hardin	135,334	35.5	4,804,357	114,132	84	3,862	3	8,858	7	8,482	6	4,047,405	8.7	33,411
Jasper	151,452	35.7	5,406,836	130,474	86	2,018	1	12,654	9	6,306	4	4,658,681	8.2	16,527
Marshall	122,409	35.1	4,296,556	105,982	87	3,200	3	7,903	6	5,324	4	3,724,437	7.4	23,836
Polk	118,224	29.9	3,534,898	103,149	87	2,502	2	9,795	8	2,778	3	3,085,624	7.9	19,670
Poweshiek	120,994	39.0	4,718,766	108,752	90	1,647	1	4,864	4	5,731	5	4,241,070	7.8	12,863
Story	151,854	27.8	4,221,541	130,890	86	3,545	2	13,390	9	4,029	3	3,640,843	7.5	26,425
Tama	132,914	38.0	5,050,732	119,954	90	3,512	3	5,105	4	4,343	3	4,562,409	8.6	30,218
Webster	171,287	34 0	5,823,758	160,898	94	1,793	1	4,844	3	3,752	2	5,470,558	8.6	15,419
For District	1,644,955	33.7	55,463,872	1,442,875	87.7	31,103	1.9	112,265	6.8	58,712	3.6	48,751,449	7.8	242,116

TABLE NO. 2—Continued

Districts and Counties	TOTAL CROP			UTILIZATION										
	Acres	Average Per Acre	Total Production	Husked or Snapped for Grain		Cut for Silage		Cut for Fodder		Hogged Down or Grazed Off		Husked for Grain	Silage Put Up	
	Number	Bu.	Bushels	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Bushels	Tons Per Acre	Total Tons
East Central—														
Benton	146,958	39.4	5,790,145	131,254	90	4,419	3	6,319	4	4,966	3	5,167,553	8.4	36,931
Cedar	107,949	45.7	4,933,269	99,480	92	1,466	2	2,510	2	4,493	4	4,546,245	9.6	14,025
Clinton	128,599	39.7	5,105,380	117,438	92	2,905	2	4,172	3	4,084	3	4,657,773	7.7	22,412
Iowa	103,089	40.1	4,133,869	93,593	91	2,737	3	2,031	2	4,728	4	3,756,555	9.0	24,769
Jackson	66,685	37.7	2,514,024	58,967	88	2,422	4	2,562	4	2,734	4	2,223,746	8.2	19,764
Johnson	107,517	41.4	4,451,204	99,472	93	1,408	1	2,074	2	4,563	4	4,120,085	10.0	14,045
Jones	85,245	41.4	3,529,143	70,362	82	4,780	6	6,779	8	3,324	4	2,913,333	8.9	42,601
Linn	124,415	36.4	4,528,706	100,790	81	6,327	5	13,245	11	4,053	3	3,664,398	8.5	53,638
Muscatine	75,672	37.9	2,867,969	67,694	90	1,962	3	3,416	4	2,600	3	2,562,876	7.7	15,152
Scott	78,251	44.4	3,474,344	71,780	92	2,313	3	1,208	1	2,950	4	3,185,615	8.6	19,891
For District	1,024,380	40.3	41,328,053	910,830	88.9	30,739	3.0	44,316	4.3	38,495	3.8	36,798,179	8.6	263,228
Southwest—														
Adair	120,581	34.0	4,099,754	107,981	90	1,169	1	3,782	3	7,649	6	3,670,089	7.6	8,889
Adams	80,774	35.8	2,891,709	74,119	92	455	0	2,312	3	3,888	5	2,652,125	7.4	3,345
Cass	129,173	35.9	4,637,311	117,721	91	1,079	1	2,135	2	8,238	6	4,226,811	8.8	9,503
Fremont	155,169	32.0	4,965,408	149,747	96	192	0	716	1	4,514	3	4,787,449	8.3	1,600
Mills	124,499	34.9	4,345,015	120,385	97	221	0	490	0	3,403	3	4,205,435	6.3	1,392
Montgomery	103,841	35.7	3,707,124	97,487	94	352	0	932	1	5,070	5	3,484,116	8.3	2,915
Page	126,581	29.6	3,746,798	116,038	92	675	0	2,554	2	7,314	6	3,433,083	7.2	4,851
Pottawattamie	253,154	36.5	9,240,121	239,386	95	1,253	0	2,394	1	10,121	4	8,747,237	8.0	10,025
Taylor	100,236	27.5	2,756,490	90,289	90	507	1	4,014	4	5,426	5	2,481,438	6.9	3,515
For District	1,194,008	33.8	40,389,730	1,113,153	93.2	5,903	0.5	19,329	1.6	55,623	4.7	37,687,783	7.8	46,035

South Central—														
Appanoose	50,688	20.9	1,059,379	43,956	87	495	1	4,479	9	1,758	3	917,346	6.5	3,206
Clarke	65,037	24.7	1,606,414	56,168	86	617	1	6,404	10	1,848	3	1,389,776	7.0	4,345
Decatur	68,120	21.5	1,464,580	58,835	86	338	1	8,193	12	754	1	1,264,144	6.0	2,030
Lucas	57,913	25.1	1,453,616	47,100	81	1,847	3	7,211	13	1,755	3	1,180,401	5.5	10,125
Madison	99,112	32.1	3,181,495	85,767	86	1,551	2	7,350	7	4,444	5	2,757,104	7.8	12,113
Marion	99,752	32.6	3,251,915	88,417	89	1,668	2	6,318	6	3,349	3	2,879,334	7.0	11,678
Monroe	47,654	23.0	1,096,042	38,540	81	829	2	6,704	14	1,581	3	885,769	6.3	5,258
Ringgold	80,965	24.7	1,999,836	72,035	89	739	1	5,919	7	2,272	3	1,778,633	7.5	5,530
Union	70,631	31.0	2,189,561	59,921	85	1,263	2	6,398	9	3,049	4	1,858,055	7.2	9,061
Warren	94,934	29.1	2,762,579	82,597	87	2,146	2	6,799	7	3,392	4	2,399,952	7.4	15,797
Wayne	76,295	20.6	1,571,677	64,710	84	481	1	8,408	11	2,696	4	1,335,900	7.4	3,545
For District	811,101	26.7	21,637,094	698,046	86.1	11,974	1.5	74,183	9.1	26,898	3.3	18,646,414	6.9	82,688
Southeast—														
Davis	48,681	19.6	954,148	38,791	80	393	1	8,584	17	913	2	760,289	5.8	2,280
Des Moines	65,158	33.9	2,208,856	57,978	89	1,061	1	3,060	5	3,059	5	1,967,643	8.4	8,945
Henry	67,869	33.8	2,293,972	58,630	86	1,173	2	5,296	8	2,770	4	1,979,439	6.5	7,598
Jefferson	62,627	26.1	1,634,565	52,381	84	1,144	2	6,446	10	2,656	4	1,365,620	6.4	7,272
Keokuk	102,977	33.2	3,418,836	93,279	91	1,142	1	4,102	4	4,454	4	3,099,810	7.1	8,143
Lee	56,877	27.3	1,552,742	46,680	82	2,124	4	5,919	10	2,154	4	1,272,282	7.3	15,538
Louisa	70,005	34.1	2,387,170	62,801	90	1,404	2	3,206	4	2,594	4	2,139,693	8.0	11,177
Mahaska	111,265	33.3	3,705,124	96,651	87	1,192	1	7,592	7	5,830	5	3,218,961	8.3	9,917
Van Buren	46,704	24.3	1,134,907	38,552	82	691	2	6,326	14	1,135	2	938,722	6.6	4,565
Wapello	59,781	26.4	1,578,218	52,944	89	1,486	2	2,799	5	2,552	4	1,397,055	6.4	9,499
Washington	100,650	38.3	3,854,895	90,428	90	1,348	1	3,678	4	5,196	5	3,466,679	8.0	10,724
For District	792,594	31.2	24,723,433	689,115	86.9	13,158	1.7	57,008	7.2	33,313	4.2	21,606,193	7.3	95,658
For State	11,165,548	33.9	378,238,147	9,765,219	87.5	274,097	2.5	652,594	5.8	473,638	4.2	330,866,910	8.2	2,249,275


CORN (1930)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
FARM VALUE DEC. 1, 1930
$0.58 per bu.
TOTAL $219,378,125
TOTAL YIELD FOR STATE 378,238,147 BUSHELS
AVERAGE PER ACRE 33.9 BUSHELS
MC

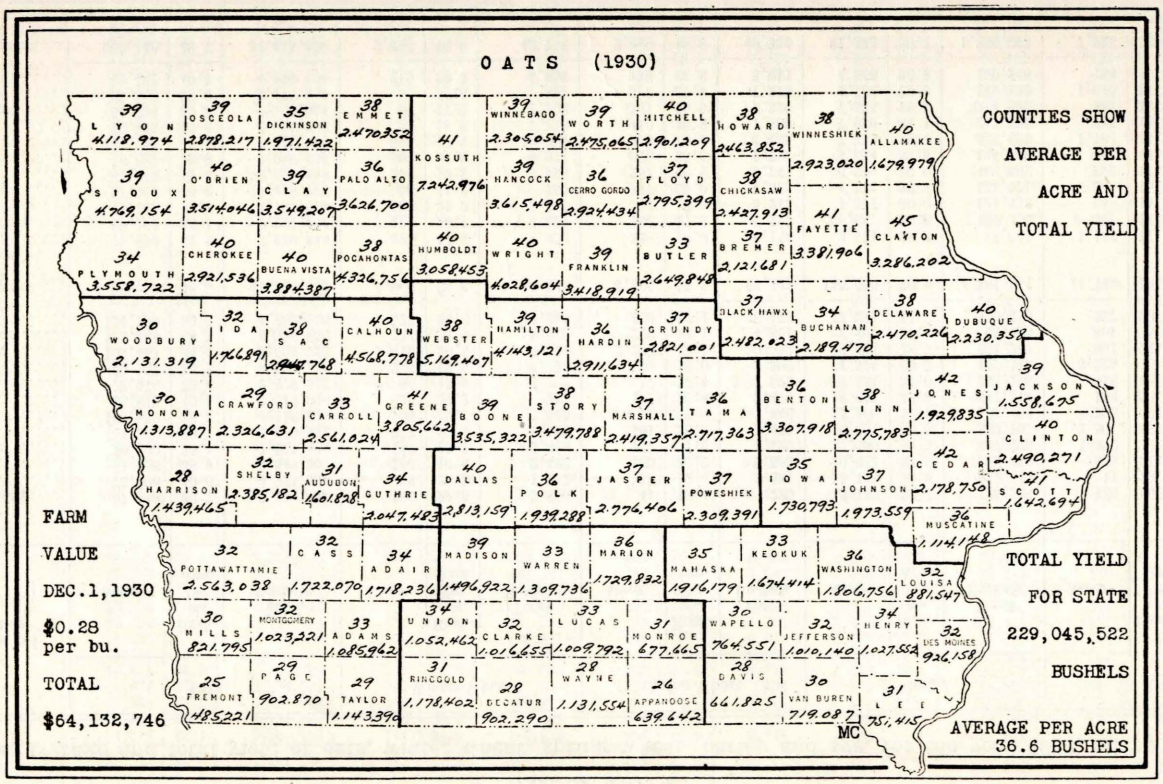

OATS (1930)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
FARM VALUE DEC. 1, 1930
$0.28 per bu.
TOTAL $64,132,746
TOTAL YIELD FOR STATE 229,045,522 BUSHELS
AVERAGE PER ACRE 36.6 BUSHELS
MC

TABLE NO. 3

Acreage, average and total yield of oats, winter wheat, spring wheat, barley and rye, for the year 1930, all by counties.

Districts and Counties	Oats			Winter Wheat			Spring Wheat			Barley			Rye		
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels
Northwest—															
Buena Vista	97,849	39.7	3,884,387	132	21.6	2,856	44	16.4	720	5.159	32.1	165,723	186	25.9	4,811
Cherokee	73,006	40.0	2,921,536	38	29.8	1,132	138	19.4	2,681	15,463	33.8	522,643	11	20.5	225
Clay	91,268	38.9	3,549,207	150	16.6	2,492	162	22.2	3,593	10,011	31.9	319,232	831	21.6	17,941
Dickinson	56,200	35.1	1,971,422	167	15.7	2,619	127	17.6	2,229	12,550	29.3	367,390	1,550	19.0	29,486
Emmet	64,362	38.4	2,470,352	273	20.3	5,530	101	28.8	2,905	10,031	30.5	305,767	2,501	17.8	44,609
Lyon	105,932	38.9	4,118,974	98	19.1	1,875	76	18.9	1,440	11,999	32.1	385,438	306	25.0	7,660
O'Brien	86,833	40.5	3,514,046	16	24.2	387	147	16.8	2,470	18,611	32.9	611,514	134	20.4	2,740
Osceola	73,079	39.4	2,878,217	86	11.8	1,017	57	17.1	972	8,351	31.0	258,795	418	23.8	9,964
Palo Alto	99,957	36.3	3,626,700	275	15.9	4,375	139	18.0	2,500	4,518	29.3	132,314	3,234	16 8	54,270
Plymouth	103,441	34.4	3,558,722	1,915	26.5	50,774	2,278	13.5	30,693	28,423	28.3	804,287	991	24.1	23,896
Pocahontas	112,885	38.3	4,326,756	333	25.9	8,616	268	18.1	4,861	2,497	27.4	68,520	807	25.0	20,135
Sioux	121,709	39.2	4,769,154	577	24.6	14,215	428	19.1	8,177	17,943	31.2	560,318	177	20.9	3,697
For District	1,086,521	38.3	41,589,473	4,060	23.6	95,888	3,965	15.9	63,241	145,556	30.9	4,501,941	11,146	19.7	219,434
North Central—															
Butler	79,858	33.2	2,649,848	226	17.8	4,022	326	18.9	6,166	2,971	28.3	84,033	1,168	11.7	13,723
Cerro Gordo	80,392	36.4	2,924,434	199	20.7	4,125	134	17.5	2,347	6,581	30.0	197,276	397	14.2	5,649
Floyd	76,148	36.7	2,795,399	183	21.0	3,847	293	17.8	5,216	4,377	30.0	131,332	646	14.1	9,111
Franklin	87,267	39.2	3,418,919	53	14.2	750	177	23.0	4,066	4,174	32.4	135,371	240	15.2	3,653
Hancock	93,669	38.6	3,615,498	278	10.8	2,999	251	20.9	5,241	6,319	30.0	189,602	822	14.7	12,084
Humboldt	76,883	39.8	3,058,453	362	24.0	8,677	70	25.2	1,761	4,614	31.5	145,450	421	13.7	5,788
Kossuth	177,708	40.8	7,242,976	595	17.9	10,674	208	16.5	3,435	7,339	29.4	215,625	1,191	14.9	17,708
Mitchell	72,135	40.2	2,901,209	91	18.8	1,710	420	18.8	7,886	7,950	31.1	247,352	345	10.2	3,520
Winnebago	58,726	39.3	2,305,054	67	17.9	1,202	141	16.5	2,329	7,575	28.3	214,662	852	13.9	11,875
Worth	63,868	38.8	2,475,065	51	16.6	849	322	27.3	7,878	4,764	29.2	139,122	1,046	14.7	15,422
Wright	99,492	40.5	4,028,604	219	22.5	4,933	138	21.8	3,011	4,868	30.9	150,248	188	15.5	2,911
For District	966,146	38.7	37,415,459	2,324	18.8	43,788	2,480	19.9	49,336	61,532	30.1	1,850,073	7,316	13.9	101,444

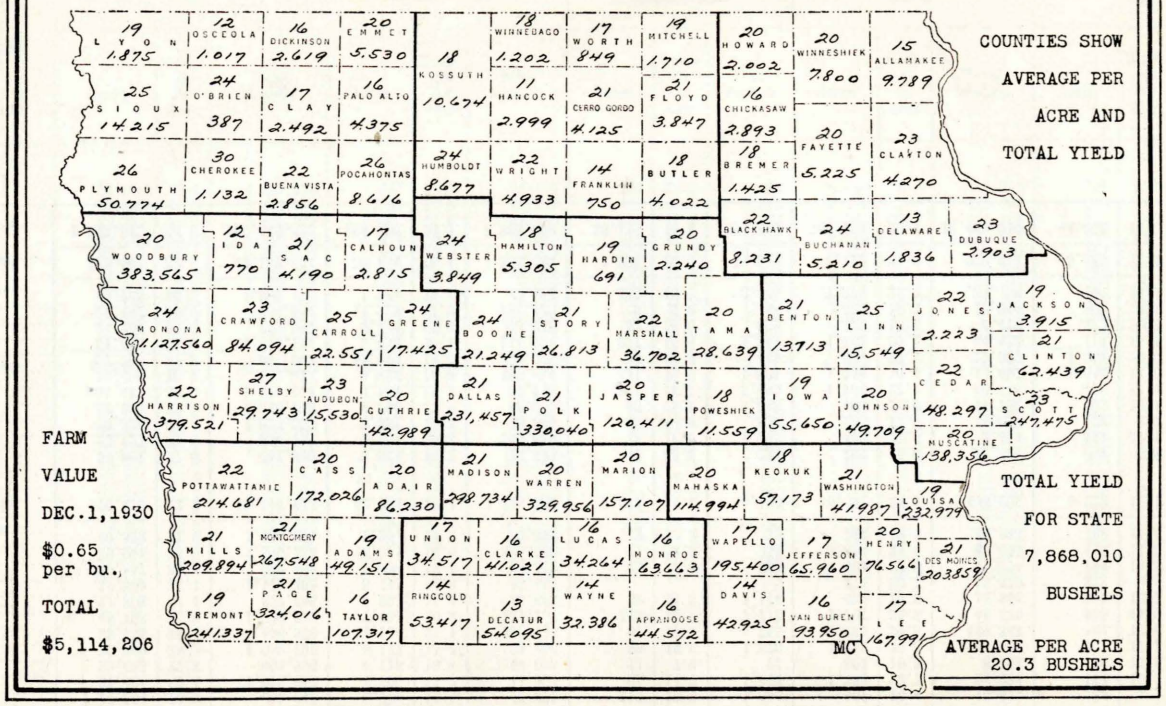
Northeast—															
Allamakee	42,424	39.6	1,679,979	653	15.0	9,789	470	21.1	9,914	8,284	33.1	274,303	247	17.3	4,284
Blackhawk	67,181	36.9	2,482,023	377	21.8	8,231	134	19.8	2,649	3,051	31.4	95,786	1,347	11.6	15,563
Bremer	57,455	36.9	2,121,681	81	17.6	1,425	118	18.7	2,206	1,777	29.5	52,462	439	13.0	5,708
Buchanan	64,794	33.8	2,189,470	222	23.5	5,210	159	15.9	2,530	1,544	25.3	39,035	975	12.2	11,943
Chickasaw	64,030	37.9	2,427,913	179	16.2	2,893	171	18.9	3,230	3,214	30.5	98,010	414	19.2	7,953
Clayton	73,152	44.9	3,286,202	187	22.8	4,270	675	19.7	13,322	7,631	34.6	263,964	241	13.7	3,302
Delaware	65,457	37.7	2,470,226	143	12.8	1,836	257	20.3	5,219	3,808	33.0	125,828	746	10.1	7,519
Dubuque	55,501	40.2	2,230,358	125	23.2	2,903	570	21.2	12,080	3,277	33.4	109,584	49	12.1	594
Fayette	82,498	41.0	3,381,906	266	19.6	5,225	409	17.2	7,044	5,419	31.5	170,842	686	16.3	11,168
Howard	64,561	38.2	2,463,852	99	20.2	2,002	139	16.5	2,288	6,439	31.4	201,929	313	16.7	5,217
Winneshiek	77,857	37.5	2,923,020	401	19.5	7,800	800	16.4	13,131	14,362	30.3	435,644	204	17.4	3,544
For District	714,910	38.7	27,656,630	2,733	18.9	51,584	3,902	18.9	73,613	58,806	31.8	1,867,387	5,661	13.6	76,795
West Central—															
Audubon	51,071	31.4	1,601,828	668	23.2	15,530	34	10.5	357	3,511	29.9	105,024	19	22.9	435
Calhoun	115,197	39.7	4,568,778	165	17.1	2,815	77	19.5	1,501	886	27.2	24,112	312	25.6	7,994
Carroll	76,859	33.3	2,561,024	891	25.3	22,551	361	15.9	5,755	5,200	29.4	152,797	63	14.4	910
Crawford	79,903	29.1	2,326,631	3,712	22.7	84,094	1,762	14.6	25,735	10,410	26.3	273,805	124	16.8	2,080
Greene	91,840	41.4	3,805,662	716	24.3	17,425	46	17.7	814	933	30.2	28,191	111	15.0	1,665
Guthrie	60,018	34.1	2,047,483	2,109	20.4	42,989	251	16.2	4,074	3,067	27.3	83,677	77	12.4	954
Harrison	50,811	28.3	1,439,465	17,075	22.2	379,521	7,985	15.5	123,407	3,075	25.8	79,186	259	24.3	6,281
Ida	54,388	32.5	1,766,891	66	11.7	770	50	18.3	915	8,255	26.2	216,081	23	11.7	270
Monona	43,296	30.3	1,313,887	47,746	23.6	1,127,560	5,555	15.2	84,683	4,264	23.8	101,519	243	24.3	5,898
Sac	77,454	38.1	2,947,768	202	20.7	4,190	233	20.9	4,860	11,074	30.2	334,587	11	20.0	220
Shelby	75,097	31.8	2,385,182	1,093	27.2	29,743	472	13.3	6,265	5,503	30.4	167,507	146	19.0	2,776
Woodbury	71,681	29.7	2,131,319	19,037	20.1	383,565	796	13.3	10,608	7,690	26.4	203,269	426	21.0	8,935
For District	847,615	34.1	28,895,918	93,480	22.6	2,110,753	17,622	15.3	268,974	63,868	27.7	1,769,755	1,814	21.2	38,418
Central—															
Boone	89,657	39.4	3,535,322	895	23.7	21,249	457	18.9	8,655	1,890	30.3	57,296	60	21.3	1,275
Dallas	71,219	39.5	2,813,159	11,028	21.0	231,457	153	19.9	3,051	1,342	26.6	35,710	144	18.7	2,690
Grundy	75,703	37.3	2,821,001	112	20.0	2,240	49	20.8	1,020	2,744	29.2	80,150	80	14.3	1,143
Hamilton	105,924	39.1	4,143,121	288	18.4	5,305	280	15.0	4,198	1,461	30.6	44,769	247	9.8	2,415
Hardin	81,154	35.9	2,911,634	36	19.2	691	75	17.7	1,326	3,694	29.6	109,174	123	14.1	1,733
Jasper	74,735	37.2	2,776,406	5,938	20.3	120,411	358	17.7	6,319	2,810	26.8	75,352	200	15.2	3,035
Marshall	65,191	37.1	2,419,357	1,641	22.4	36,702	139	21.6	3,008	5,382	29.5	158,939	252	19.9	5,022
Polk	54,625	35.5	1,939,288	15,570	21.2	330,040	967	14.3	13,788	1,130	24.1	27,273	353	15.3	5,398
Poweshiek	61,977	37.3	2,309,391	625	18.5	11,559	229	14.9	3,406	2,379	26.9	63,884	59	18.4	1,084
Story	90,388	38.5	3,479,788	1,262	21.2	26,813	82	24.9	2,045	1,311	29.6	38,820	71	19.2	1,365
Tama	76,198	35.7	2,717,363	1,426	20.1	28,639	614	15.6	9,573	5,839	29.2	170,584	162	16.6	2,689
Webster	134,612	38.4	5,169,407	164	23.5	3,849	289	19.9	5,746	1,706	29.7	50,644	286	17.2	4,928
For District	981,383	37.7	37,035,237	38,985	21.0	818,955	3,692	16.8	62,135	31,688	28.8	912,595	2,037	16.1	32,777

TABLE NO. 3—Continued

Districts and Counties	Oats			Winter Wheat			Spring Wheat			Barley			Rye		
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels
East Central—															
Benton	93,006	35.6	3,307,918	646	21.2	13,713	237	17.9	4,253	6,345	25.9	164,102	771	12.0	9,234
Cedar	52,533	41.5	2,178,750	2,165	22.3	48,297	122	28.8	3,513	6,294	28.5	179,442	340	10.9	3,690
Clinton	62,293	40.0	2,490,271	2,940	21.2	62,439	454	17.4	7,886	4,589	29.4	135,146	731	13.2	9,678
Iowa	49,436	35.0	1,730,793	2,924	19.0	55,650	284	18.5	5,256	4,372	26.7	116,938	245	10.0	2,448
Jackson	39,654	39.3	1,558,675	203	19.3	3,915	671	16.9	11,371	2,761	29.9	82,465	257	11.0	2,816
Johnson	53,506	36.9	1,973,559	2,485	20.0	49,709	200	21.0	4,191	2,174	28.7	62,404	377	13.4	5,037
Jones	45,932	42.0	1,929,835	102	21.8	2,223	306	21.4	6,556	3,767	33.4	125,835	268	11.4	3,045
Linn	72,809	38.1	2,775,783	632	24.6	15,549	346	21.0	7,255	3,240	28.0	90,805	502	11.4	5,738
Muscatine	31,103	35.8	1,114,148	6,954	19.9	138,356	120	13.7	1,647	2,050	23.3	47,706	1,600	8.8	14,102
Scott	40,231	40.8	1,642,694	10,828	22.9	247,475	285	21.0	5,973	7,221	28.3	204,622	700	12.4	8,679
For District	540,503	38.3	20,702,426	29,879	21.3	637,326	3,025	19.1	57,901	42,813	28.2	1,209,465	5,791	11.1	64,467
Southwest—															
Adair	50,830	33.8	1,718,236	4,354	19.8	86,230	77	17.7	1,360	3,264	25.6	83,585	202	14.9	3,015
Adams	32,819	33.1	1,085,962	2,619	18.8	49,151	14	17.1	240	1,406	25.8	36,334	221	14.0	3,084
Cass	54,196	31.8	1,722,070	8,540	20.1	172,026	149	17.1	2,548	5,626	27.6	155,322	187	14.1	2,638
Fremont	19,593	24.8	485,221	12,590	19.2	241,337	86	14.1	1,215	1,032	19.8	20,433	251	11.8	2,951
Mills	27,552	29.8	821,795	10,026	20.9	209,894	50	16.0	801	1,744	24.1	42,106	216	17.3	3,744
Montgomery	32,310	31.7	1,023,221	12,577	21.3	267,548	115	17.3	1,990	1,967	27.3	53,665	193	15.5	2,997
Page	31,314	28.8	902,870	15,495	20.9	324,016	19	11.4	217	2,561	21.7	55,524	207	18.4	3,811
Pottawattamie	79,581	32.2	2,563,038	9,903	21.7	214,681	887	14.3	12,696	7,538	27.9	210,202	147	16.3	2,393
Taylor	39,596	28.9	1,143,390	6,619	16.2	107,317	12	16.1	193	1,649	21.4	35,216	406	12.3	5,012
For District	367,791	31.2	11,465,803	82,723	20.2	1,672,200	1,409	15.1	21,260	26,787	25.8	692,387	2,030	14.6	29,645

South District—															
Appanoose	24,564	26.0	639,642	2,769	16.1	44,572	113	13.6	1,536	667	16.4	10,921	289	9.1	2,641
Clarke	31,405	32.4	1,016,655	2,609	15.7	41,021	85	14.7	1,246	1,186	22.7	26,934	174	12.1	2,102
Decatur	32,505	27.8	902,290	4,115	13.1	54,095	11	7.0	77	505	16.8	8,503	580	11.6	6,732
Lucas	30,369	33.3	1,009,792	2,177	15.7	34,264	86	15.9	1,370	1,510	23.3	35,127	362	11.1	4,032
Madison	38,755	38.6	1,496,922	14,156	21.1	298,734	67	11.3	755	4,382	29.5	129,343	182	13.6	2,468
Marion	48,108	36.0	1,729,832	7,732	20.3	157,107	513	15.0	7,718	1,761	26.5	46,679	195	11.6	2,270
Monroe	21,808	31.1	677,665	3,893	16.4	63,663	82	14.3	1,174	694	23.0	15,954	392	12.7	4,996
Ringgold	37,869	31.1	1,178,402	3,745	14.3	53,417	.....	.....	.....	771	20.1	15,479	278	9.8	2,716
Union	30,857	34.1	1,052,462	2,024	17.1	34,517	42	12.8	536	1,803	22.9	41,324	184	16.5	3,040
Warren	39,694	33.0	1,309,736	16,571	19.9	329,956	71	13.5	955	2,664	23.9	63,695	418	14.3	5,992
Wayne	40,538	27.9	1,131,554	2,261	14.3	32,386	3	12.0	36	749	19.6	14,643	168	11.5	1,935
For District	376,472	32.3	12,144,952	62,052	18.4	1,143,732	1,073	14.4	15,403	16,692	24.5	408,602	3,222	12.1	38,924
Southeast—															
Davis	24,061	27.5	661,825	3,025	14.2	42,925	49	15.3	752	733	16.0	11,696	254	6.8	1,716
Des Moines	29,127	31.8	926,158	9,794	20.8	203,859	74	17.0	1,261	450	21.9	9,854	341	13.5	4,602
Henry	30,328	33.9	1,027,552	3,891	19.7	76,566	33	19.9	658	206	19.9	4,097	178	8.9	1,581
Jefferson	31,253	32.3	1,010,140	3,786	17.4	65,960	89	15.1	1,345	496	23.8	11,782	202	12.7	2,562
Keokuk	51,417	32.6	1,674,414	3,133	18.2	57,173	371	16.1	5,989	1,756	23.1	40,644	422	13.4	5,639
Lee	24,490	30.7	751,415	9,928	16.9	167,991	131	13.9	1,821	1,156	16.4	18,987	1,048	13.5	14,179
Louisa	27,758	31.8	881,547	12,045	19.3	232,979	28	16.6	465	533	22.3	11,907	1,554	10.0	15,506
Mahaska	54,683	35.0	1,916,179	5,635	20.4	114,994	277	15.9	4,391	1,763	25.2	44,423	173	15.4	2,668
Van Buren	24,264	29.6	719,087	5,925	15.9	93,950	55	14.6	802	270	16.4	4,418	571	10.3	5,906
Wapello	25,197	30.3	764,551	11,328	17.2	195,400	9	5.3	48	975	18.3	17,840	602	10.6	6,384
Washington	49,923	36.2	1,806,756	1,964	21.4	41,987	135	18.1	2,445	1,374	24.9	34,166	144	13.1	1,886
For District	372,501	32.6	12,139,624	70,454	18.4	1,293,784	1,251	16.0	19,977	9,712	21.6	209,814	5,489	11.4	62,629
For State	6,253,842	36.6	229,045,522	386,690	20.3	7,868,010	38,419	16.4	631,840	457,454	29.3	13,422,019	44,506	14.9	664,533

WINTER WHEAT (1930)



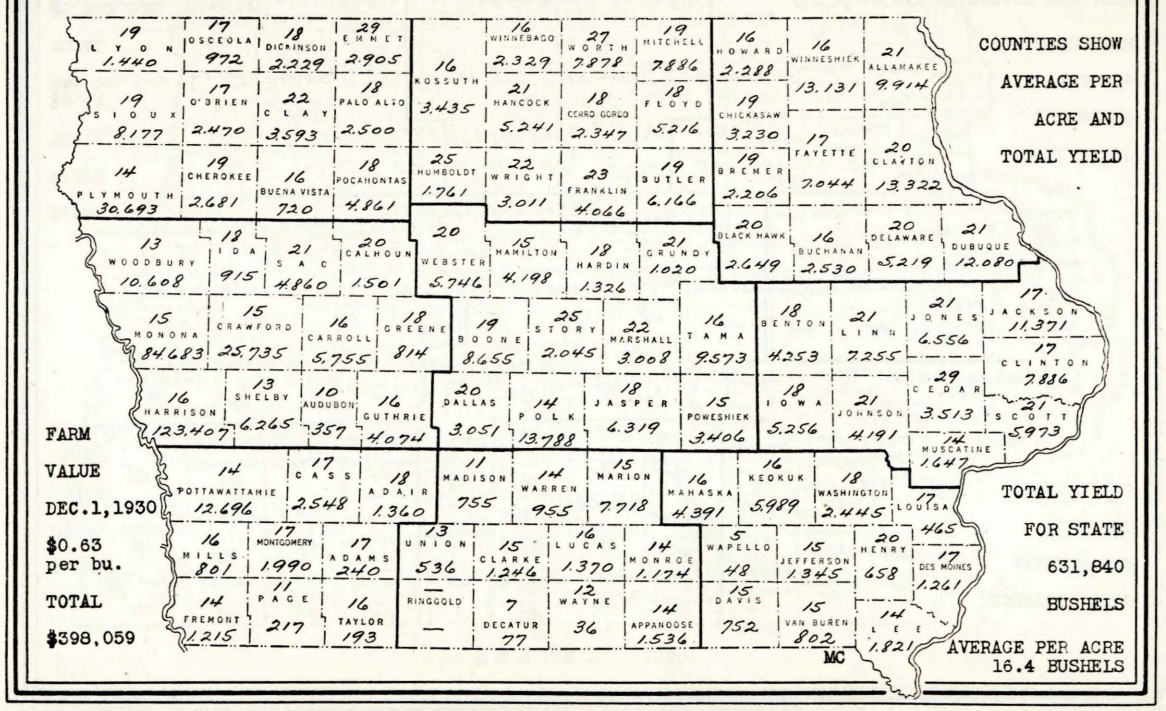
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

FARM VALUE DEC. 1, 1930 $0.65 per bu. TOTAL $5,114,206

TOTAL YIELD FOR STATE 7,868,010 BUSHELS

AVERAGE PER ACRE 20.3 BUSHELS

SPRING WHEAT (1930)

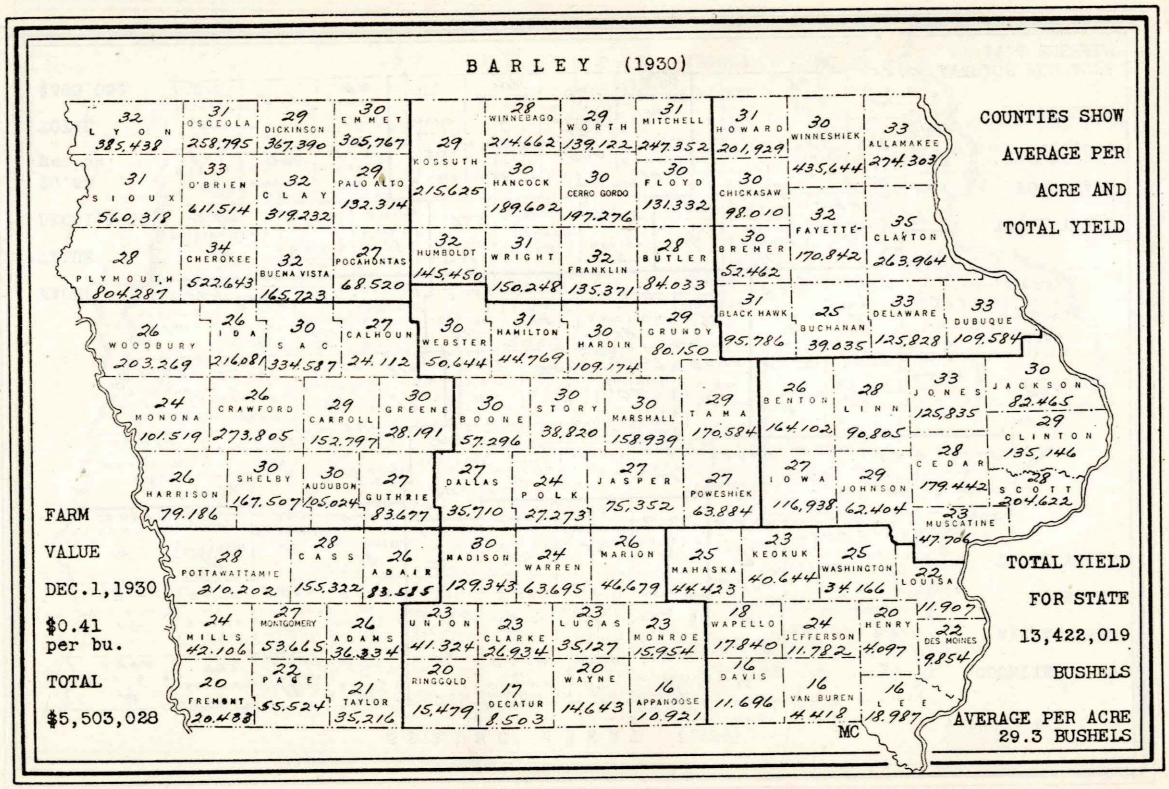


COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

FARM VALUE DEC. 1, 1930 $0.63 per bu. TOTAL $398,059

TOTAL YIELD FOR STATE 631,840 BUSHELS

AVERAGE PER ACRE 16.4 BUSHELS


BARLEY (1930)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
FARM VALUE DEC.1,1930
$0.41 per bu.
TOTAL $5,503,028
TOTAL YIELD FOR STATE 13,422,019 BUSHELS
AVERAGE PER ACRE 29.3 BUSHELS
MC

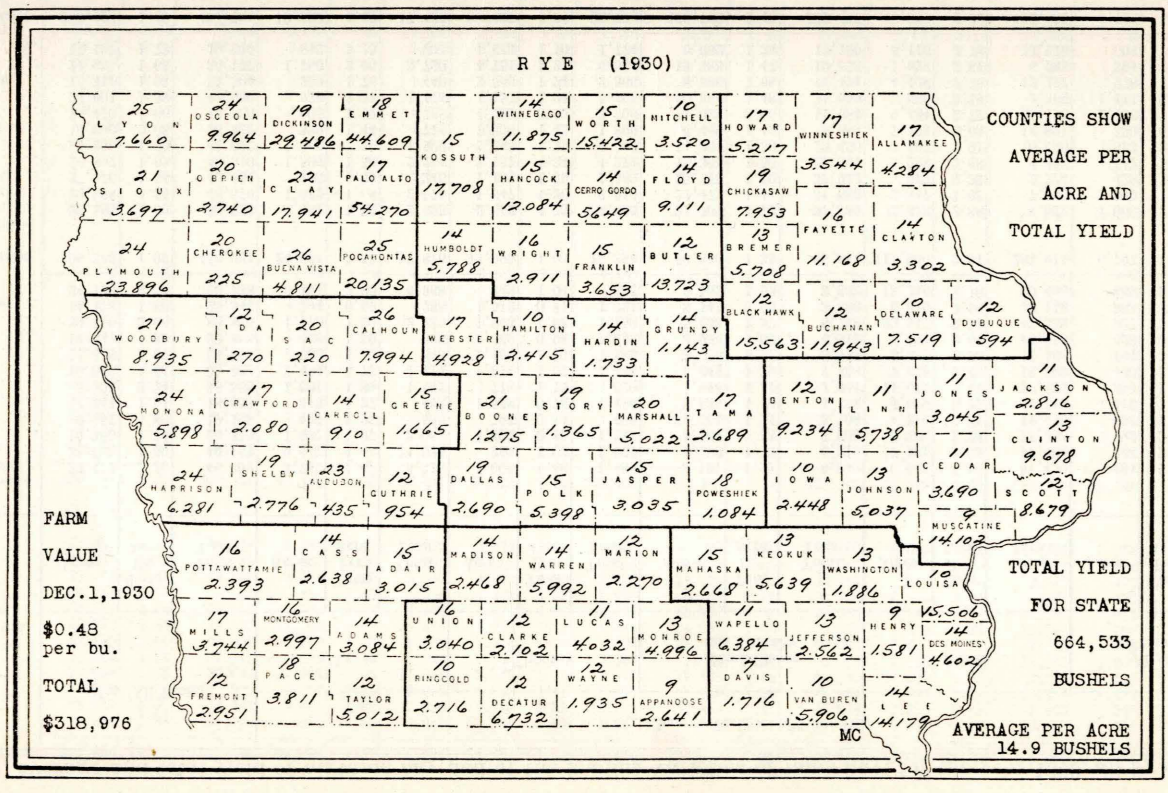

RYE (1930)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
FARM VALUE DEC.1,1930
$0.48 per bu.
TOTAL $318,976
TOTAL YIELD FOR STATE 664,533 BUSHELS
AVERAGE PER ACRE 14.9 BUSHELS
MC

TABLE NO. 4

Acreage, average and total yield of all tame hay and of the leading varieties of tame hay, for the year 1930, all by counties.

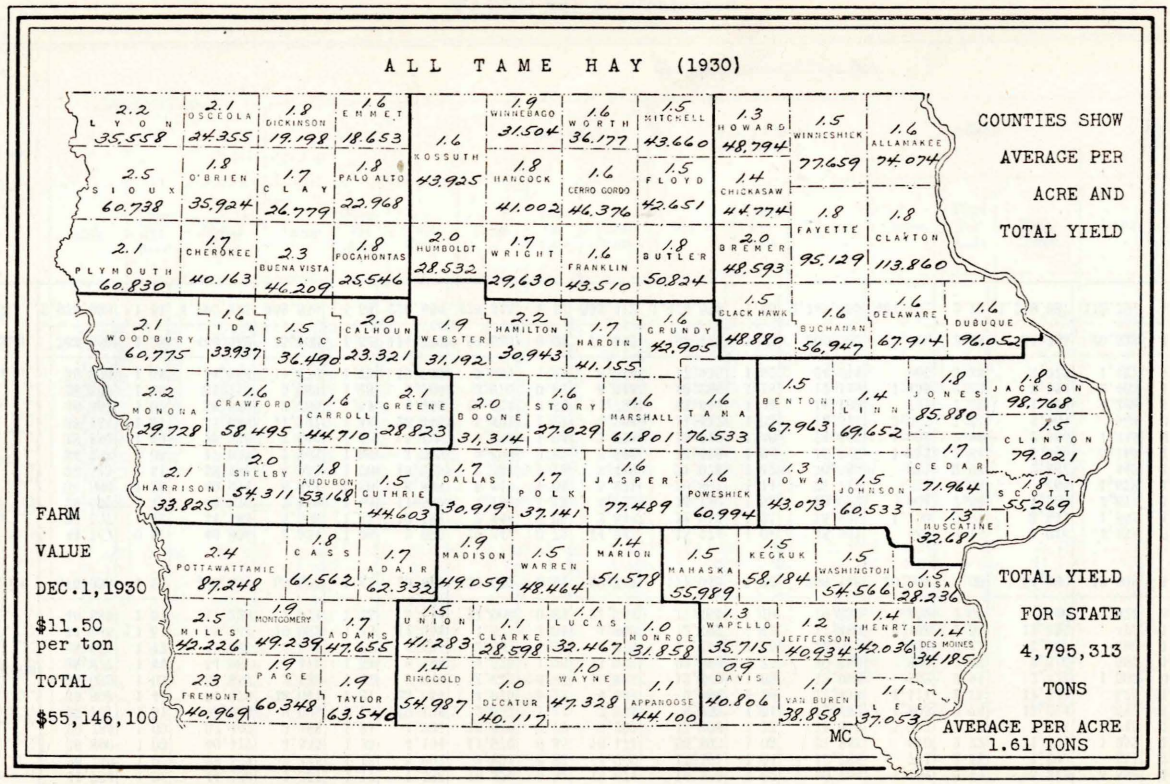
Districts and Counties	Hay (All Tame)			Kinds or Varieties of Tame Hay														
				Clover			Timothy			Mixed Clover and Timothy			Alfalfa			All Other Tame Hay		
	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons
Northwest—																		
Buena Vista	20,412	2.26	46,209	3,782	1.67	6,316	1,006	1.48	1,489	5,197	1.22	6,340	9,943	3.16	31,420	484	1.33	644
Cherokee	23,739	1.69	40,163	9,947	1.41	14,025	969	1.06	1,027	4,978	1.39	6,919	7,581	2.33	17,664	264	2.00	528
Clay	15,350	1.74	26,779	1,627	1.27	2,066	1,406	0.88	1,237	5,169	1.53	7,909	6,356	2.20	13,983	792	2.00	1,584
Dickinson	10,657	1.80	19,198	447	1.25	559	797	0.84	669	4,261	1.22	5,198	4,519	2.64	11,930	633	1.33	842
Emmet	11,343	1.64	18,653	348	1.27	442	1,828	0.78	1,426	3,535	1.26	4,454	5,019	2.22	11,142	613	1.94	1,189
Lyon	15,905	2.24	35,558	1,001	1.89	1,892	713	1.15	820	1,948	1.51	2,941	11,613	2.51	29,149	630	1.20	756
O'Brien	19,549	1.84	35,924	2,494	1.77	4,414	1,814	1.07	1,941	6,948	1.39	9,658	7,873	2.40	18,895	420	2.42	1,016
Osceola	11,818	2.06	24,355	606	1.40	848	1,461	1.29	1,885	3,676	1.51	5,551	5,611	2.76	15,486	464	1.26	585
Palo Alto	12,641	1.82	22,968	406	1.30	528	1,569	0.98	1,538	3,956	1.09	4,312	6,082	2.64	16,056	628	0.85	534
Plymouth	29,580	2.06	60,830	1,718	1.30	2,233	1,065	1.08	1,150	5,553	1.57	8,718	20,317	2.33	47,339	927	1.50	1,390
Pocahontas	14,178	1.80	25,546	294	0.97	285	1,518	0.87	1,321	3,143	0.98	3,080	8,840	2.28	20,155	383	1.84	705
Sioux	24,190	2.51	60,738	2,134	2.00	4,268	849	1.04	883	2,502	1.52	3,803	18,236	2.78	50,696	469	2.32	1,088
For District	209,362	1.99	416,921	24,804	1.53	37,876	14,995	1.03	15,386	50,866	1.35	68,883	111,990	2.54	283,915	6,707	1.62	10,861
North Central—																		
Butler	28,285	1.80	50,824	1,481	1.82	2,695	2,662	1.73	4,605	21,709	1.72	37,339	1,373	2.86	3,927	1,060	2.13	2,258
Cerro Gordo	29,898	1.55	46,376	1,532	1.68	2,574	1,847	1.20	2,216	22,472	1.41	31,686	2,547	3.08	7,845	1,500	1.37	2,055
Floyd	27,676	1.54	42,651	155	1.59	246	1,139	1.39	1,583	25,275	1.50	37,912	678	3.28	2,224	429	1.60	686
Franklin	26,897	1.62	43,510	1,509	1.50	2,264	3,187	1.34	4,271	18,396	1.50	27,594	3,288	2.68	8,812	517	1.10	569
Hancock	23,256	1.76	41,002	1,000	1.59	1,590	3,265	1.29	4,212	14,391	1.56	22,450	3,607	2.91	10,496	993	2.27	2,254
Humboldt	13,896	2.05	28,532	539	1.44	776	1,335	1.42	1,896	4,489	1.49	6,689	7,183	2.63	18,891	350	0.80	280
Kossuth	26,470	1.66	43,925	605	1.27	768	4,202	0.93	3,908	11,023	1.06	11,684	9,484	2.72	25,796	1,156	1.53	1,769
Mitchell	28,601	1.53	43,660	939	1.57	1,474	4,557	1.24	5,651	20,984	1.48	31,056	680	3.48	2,366	1,441	2.16	3,113
Winnebago	16,311	1.93	31,504	250	1.76	440	2,069	1.24	2,566	8,586	1.68	14,424	4,428	2.75	12,177	978	1.94	1,897
Worth	21,933	1.65	36,177	1,780	2.09	3,720	4,751	1.27	6,034	13,383	1.47	19,673	1,628	3.81	6,203	391	1.40	547
Wright	17,197	1.72	29,630	812	1.15	934	1,613	1.10	1,774	9,052	1.34	12,130	5,116	2.72	13,916	604	1.45	876
For District	260,420	1.68	437,791	10,602	1.65	17,481	30,627	1.26	38,716	169,760	1.49	252,637	40,012	2.82	112,653	9,419	1.73	16,304

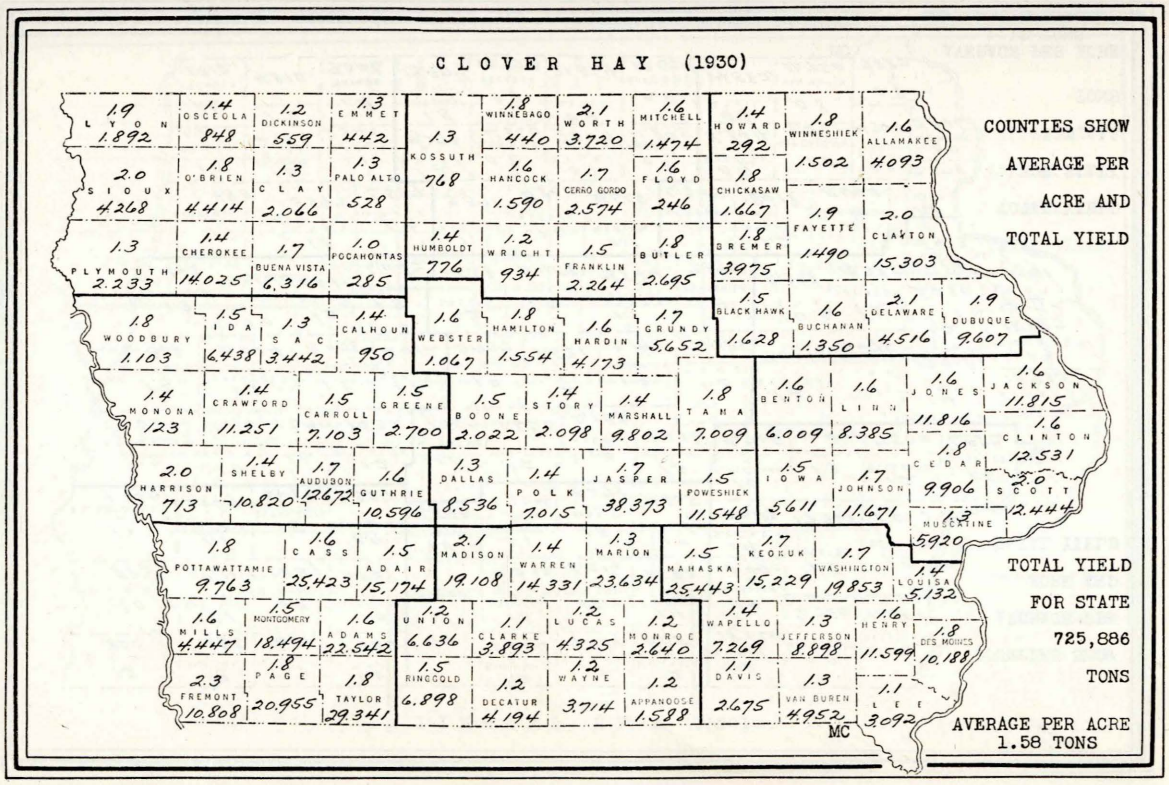
Northeast—																		
Allamakee	46,183	1.60	74,074	2,542	1.61	4,093	9,293	1.28	11,895	33,234	1.65	54,836	861	3.51	3,022	253	0.90	228
Blackhawk	32,317	1.51	48,880	1,064	1.53	1,628	3,622	1.30	4,709	22,891	1.40	32,047	2,420	3.12	7,550	2,320	1.27	2,946
Bremer	24,397	1.99	48,593	2,246	1.77	3,975	3,671	1.92	7,048	15,017	1.93	28,983	1,914	3.41	6,527	1,549	1.33	2,060
Buchanan	35,807	1.59	56,947	871	1.55	1,350	8,054	1.30	10,470	23,369	1.65	38,559	307	4.58	1,406	3,206	1.61	5,162
Chickasaw	31,982	1.40	44,774	921	1.81	1,667	9,252	1.35	12,490	19,234	1.32	25,389	384	2.83	1,087	2,191	1.89	4,141
Clayton	61,933	1.84	113,860	7,690	1.99	15,303	5,448	1.48	8,063	46,369	1.80	83,464	1,871	3.55	6,642	555	0.70	388
Delaware	43,295	1.57	67,914	2,161	2.09	4,516	6,075	1.25	7,594	33,220	1.55	51,491	688	3.29	2,264	1,151	1.78	2,049
Dubuque	58,122	1.65	96,052	5,110	1.88	9,607	4,750	1.47	6,982	47,190	1.63	76,920	849	2.83	2,403	223	0.60	140
Fayette	53,325	1.78	95,129	801	1.86	1,490	11,502	1.51	17,368	34,181	1.86	63,577	830	3.20	2,656	6,011	1.67	10,038
Howard	37,826	1.29	48,794	210	1.39	292	15,708	1.15	18,064	19,725	1.36	26,826	415	2.78	1,154	1,768	1.39	2,458
Winneshiek	50,632	1.53	77,659	844	1.78	1,502	7,415	1.05	7,786	39,982	1.52	60,773	2,243	3.29	7,379	148	1.48	219
For District	475,819	1.62	772,676	24,460	1.86	45,423	84,790	1.33	112,469	334,412	1.62	542,865	12,782	3.29	42,090	19,375	1.54	29,829
West Central—																		
Audubon	29,814	1.78	53,168	7,454	1.70	12,672	3,625	1.17	4,241	12,326	1.47	18,119	5,789	2.94	17,020	620	1.80	1,116
Calhoun	11,697	1.99	23,321	660	1.44	950	1,277	1.20	1,532	3,846	1.44	5,538	5,703	2.63	14,999	211	1.43	302
Carroll	27,563	1.62	44,710	4,704	1.51	7,103	2,294	1.08	2,478	14,865	1.23	18,284	5,364	3.04	16,307	336	1.60	538
Crawford	35,918	1.63	58,495	8,334	1.35	11,251	3,780	0.80	3,024	11,367	1.14	12,958	11,673	2.58	30,116	764	1.50	1,146
Greene	13,817	2.09	28,823	1,765	1.53	2,700	1,677	1.20	2,012	4,729	1.31	6,195	4,915	3.37	16,564	731	1.85	1,352
Guthrie	29,902	1.49	44,603	6,749	1.57	10,596	4,795	1.26	6,042	14,393	1.33	19,143	3,132	2.41	7,548	833	1.53	1,274
Harrison	16,359	2.07	33,825	362	1.97	713	338	1.31	443	378	1.59	601	12,335	2.22	27,384	2,946	1.59	4,684
Ida	20,698	1.64	33,937	4,292	1.50	6,438	1,602	0.98	1,570	7,982	1.39	11,095	6,312	2.25	14,202	510	1.24	632
Monona	13,660	2.18	29,728	88	1.40	123	268	1.15	308	1,362	1.47	2,002	9,940	2.47	24,552	2,002	1.37	2,743
Sac	24,023	1.52	36,490	2,668	1.29	3,442	1,660	1.01	1,677	13,262	1.34	17,771	6,198	2.14	13,264	235	1.43	336
Shelby	27,335	1.99	54,311	7,462	1.45	10,820	1,576	0.98	1,544	5,338	1.13	6,032	11,532	2.93	33,261	1,427	1.86	2,654
Woodbury	29,421	2.07	60,775	623	1.77	1,103	462	1.15	531	2,316	1.54	3,567	22,487	2.22	49,921	3,533	1.60	5,653
For District	280,207	1.79	502,186	45,161	1.50	67,911	23,354	1.09	25,402	92,164	1.32	121,305	105,380	2.52	265,138	14,148	1.59	22,430
Central—																		
Boone	15,638	2.00	31,314	1,339	1.51	2,022	2,271	1.28	2,907	4,605	1.39	6,401	6,465	2.82	18,231	958	1.83	1,753
Dallas	17,935	1.72	30,919	6,566	1.30	8,536	1,267	1.23	1,558	3,267	1.09	3,561	5,869	2.66	15,612	966	1.71	1,652
Grundy	27,411	1.57	42,905	3,325	1.70	5,652	1,073	1.32	1,416	21,608	1.49	32,196	910	3.06	2,785	495	1.73	856
Hamilton	14,248	2.17	30,943	849	1.83	1,554	1,373	1.18	1,620	6,100	1.76	10,736	5,503	2.97	16,344	423	1.63	689
Hardin	24,721	1.66	41,155	2,529	1.65	4,173	1,671	1.27	2,122	15,862	1.43	22,683	4,247	2.74	11,637	412	1.31	540
Jasper	46,872	1.65	77,489	22,706	1.69	38,373	4,325	1.12	4,844	14,789	1.30	19,226	4,262	3.23	13,766	790	1.62	1,280
Marshall	37,795	1.64	61,801	6,760	1.45	9,802	2,534	1.26	3,193	25,276	1.61	40,694	2,676	2.73	7,305	549	1.47	807
Polk	21,525	1.73	37,141	4,940	1.42	7,015	2,341	1.05	2,458	5,670	1.23	6,974	7,518	2.48	18,645	1,056	1.94	2,049
Poweshiek	36,994	1.65	60,994	7,964	1.45	11,548	5,423	1.36	7,375	21,869	1.68	36,740	1,617	3.08	4,980	121	2.90	351
Story	16,520	1.64	27,029	1,467	1.43	2,098	1,320	1.16	1,531	7,665	1.30	9,964	5,341	2.31	12,338	727	1.51	1,098
Tama	48,243	1.59	76,533	3,851	1.82	7,009	9,387	1.33	12,485	32,462	1.51	49,018	2,250	3.38	7,605	293	1.42	416
Webster	16,554	1.88	31,192	684	1.56	1,067	1,948	1.01	1,967	4,904	1.31	6,424	8,424	2.47	20,807	594	1.56	927
For District	324,456	1.69	549,415	62,980	1.57	98,849	34,933	1.24	43,476	164,077	1.49	244,617	55,082	2.72	150,055	7,384	1.68	12,418

TABLE NO. 4—Continued

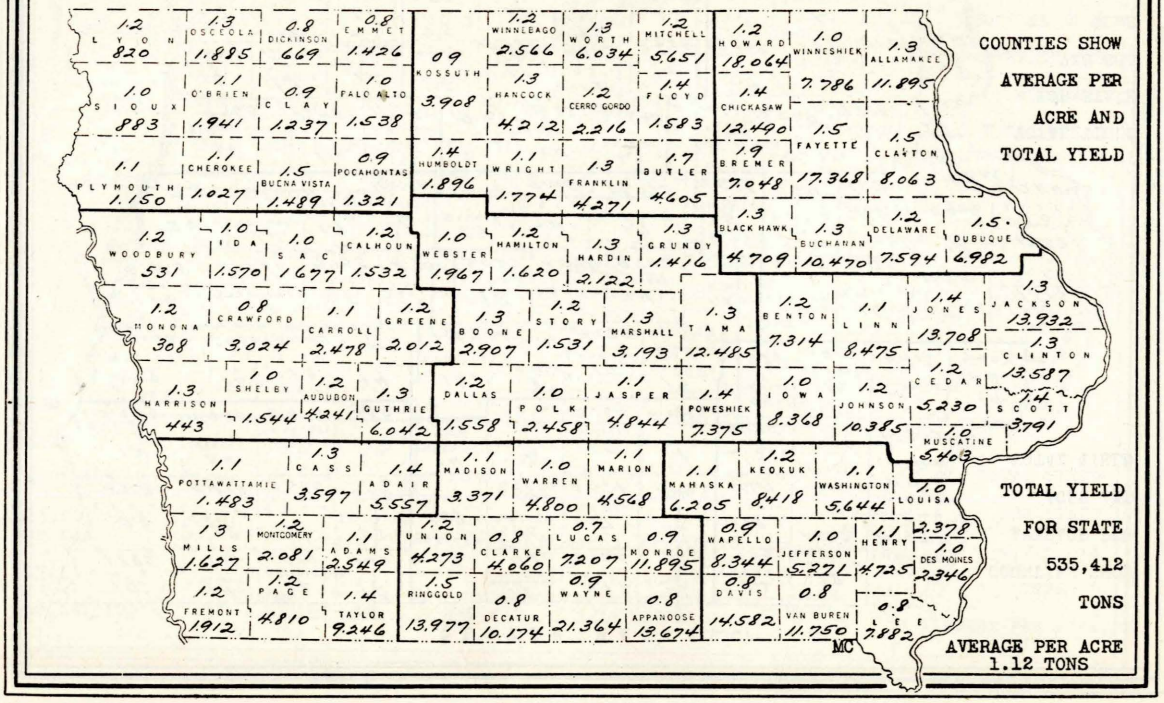
Districts and Counties	Hay (All Tame)			Kinds or Varieties of Tame Hay													
				Clover			Timothy			Mixed Clover and Timothy			Alfalfa			All Other Tame Hay		
	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons
East Central																		
Benton	45,515	1.49	67,963	3,877	1.55	6,009	6,360	1.15	7,314	32,625	1.45	47,306	1,659	3.39	5,624	994	1.72	1,710
Cedar	42,229	1.70	71,964	5,473	1.81	9,906	4,470	1.17	5,230	30,750	1.70	52,275	1,263	3.28	4,143	273	1.50	410
Clinton	53,295	1.48	79,021	7,931	1.58	12,531	10,615	1.28	13,587	31,376	1.37	42,985	3,093	3.04	9,403	280	1.84	515
Iowa	34,219	1.26	43,073	3,716	1.51	5,611	8,453	0.99	8,368	21,022	1.29	27,118	683	2.08	1,421	345	1.61	555
Jackson	56,528	1.75	98,768	7,293	1.62	11,815	10,970	1.27	13,932	34,069	1.71	58,258	3,986	3.64	14,509	210	1.21	254
Johnson	40,482	1.50	60,533	6,906	1.69	11,671	8,512	1.22	10,385	23,936	1.49	35,665	848	2.87	2,434	280	1.35	378
Jones	48,302	1.78	85,880	7,205	1.64	11,816	9,586	1.43	13,708	28,961	1.81	52,419	2,233	3.37	7,525	317	1.30	412
Linn	50,606	1.38	69,652	5,341	1.57	8,385	7,500	1.13	8,475	34,447	1.31	45,126	1,706	3.01	5,135	1,612	1.57	2,531
Muscatine	24,875	1.31	32,681	4,625	1.28	5,920	5,513	0.98	5,403	10,265	1.19	12,215	2,873	2.52	7,240	1,599	1.19	1,903
Scott	30,777	1.80	55,269	6,349	1.96	12,444	2,808	1.35	3,791	16,126	1.54	24,834	5,128	2.69	13,794	366	1.11	406
For District	426,828	1.56	664,804	58,716	1.64	96,108	74,787	1.21	90,193	263,577	1.51	398,201	23,472	3.03	71,228	6,276	1.45	9,074
Southwest—																		
Adair	37,437	1.66	62,332	9,983	1.52	15,174	4,086	1.36	5,557	19,356	1.59	30,776	3,269	2.90	9,480	743	1.81	1,345
Adams	28,575	1.67	47,655	14,267	1.58	22,542	2,405	1.06	2,549	7,382	1.35	9,966	4,044	2.91	11,768	477	1.74	830
Cass	33,845	1.82	61,562	15,502	1.64	25,423	2,832	1.27	3,597	10,498	1.43	15,012	4,574	3.75	17,152	439	0.86	378
Fremont	18,029	2.27	40,969	4,699	2.30	10,808	1,580	1.21	1,912	1,401	1.50	2,102	8,145	2.88	23,458	2,204	1.22	2,689
Mills	16,709	2.53	42,226	2,762	1.61	4,447	1,242	1.31	1,627	1,034	1.47	1,520	10,168	3.10	31,521	1,503	2.07	3,111
Montgomery	26,035	1.89	49,239	12,248	1.51	18,494	1,734	1.20	2,081	4,063	1.42	5,769	7,397	2.93	21,673	593	2.06	1,222
Page	32,335	1.87	60,348	11,906	1.76	20,955	4,042	1.19	4,810	7,944	1.54	12,234	7,599	2.83	21,505	844	1.00	844
Pottawattamie	36,371	2.40	87,248	5,516	1.77	9,763	1,386	1.07	1,483	3,468	1.75	6,069	23,387	2.76	64,548	2,614	2.06	5,385
Taylor	33,759	1.88	63,540	15,946	1.84	29,341	6,700	1.38	9,246	8,019	1.89	15,156	2,167	3.58	7,758	927	2.20	2,039
For District	263,095	1.96	515,119	92,829	1.69	156,947	26,007	1.26	32,862	63,165	1.56	98,604	70,750	2.95	208,863	10,344	1.72	17,843

South Central—																		
Appanoose	41,794	1.06	44,100	1,357	1.17	1,588	16,279	0.84	13,674	19,125	1.07	20,464	1,181	2.72	3,212	3,852	1.34	5,162
Clarke	26,749	1.07	28,598	3,445	1.13	3,893	4,891	0.83	4,060	17,101	1.04	17,785	701	2.58	1,809	611	1.72	1,051
Decatur	38,890	1.03	40,117	3,355	1.25	4,194	11,970	0.85	10,174	20,803	1.05	21,843	810	2.22	1,798	1,952	1.08	2,108
Lucas	29,784	1.09	32,467	3,488	1.24	4,325	10,010	0.72	7,207	13,308	1.13	15,038	1,733	2.16	3,743	1,245	1.73	2,154
Madison	25,701	1.91	49,059	9,099	2.10	19,108	2,957	1.14	3,371	8,253	1.51	12,462	4,805	2.75	13,214	587	1.54	904
Marion	35,895	1.44	51,578	18,041	1.31	23,634	4,079	1.12	4,568	9,086	1.26	11,448	4,111	2.73	11,223	578	1.22	705
Monroe	31,035	1.03	31,858	2,182	1.21	2,640	13,672	0.87	11,895	12,842	1.09	13,998	832	2.91	2,421	1,507	0.60	904
Ringgold	38,277	1.44	54,987	4,479	1.54	6,898	9,573	1.46	13,977	22,792	1.35	30,769	896	2.58	2,312	537	1.92	1,031
Union	28,054	1.47	41,283	5,395	1.23	6,636	3,591	1.19	4,273	17,754	1.55	27,519	924	2.41	2,227	390	1.61	628
Warren	31,995	1.51	48,464	10,092	1.42	14,331	4,571	1.05	4,800	12,397	1.41	17,480	4,463	2.55	11,381	472	1.00	472
Wayne	46,885	1.01	47,328	2,971	1.25	3,714	24,004	0.89	21,364	17,581	1.10	19,339	452	2.08	940	1,877	1.05	1,971
For District	375,059	1.25	469,839	63,904	1.42	90,961	105,597	0.94	99,363	171,042	1.22	208,145	20,908	2.60	54,280	13,608	1.26	17,090
Southeast—																		
Davis	44,763	0.91	40,806	2,524	1.06	2,675	19,442	0.75	14,582	18,174	1.04	18,901	485	2.16	1,048	4,138	0.87	3,600
Des Moines	24,127	1.42	34,185	5,598	1.82	10,188	2,444	0.96	2,346	12,913	1.21	15,625	1,320	2.91	3,841	1,852	1.18	2,185
Henry	29,607	1.42	42,036	7,116	1.63	11,599	4,181	1.13	4,725	15,130	1.32	19,972	501	2.58	1,293	2,679	1.66	4,447
Jefferson	34,666	1.18	40,934	6,845	1.30	8,898	5,117	1.03	5,271	20,801	1.14	23,713	225	2.08	468	1,678	1.54	2,584
Keokuk	38,543	1.51	58,184	8,958	1.70	15,229	7,134	1.18	8,418	21,078	1.47	30,985	931	3.08	2,867	442	1.55	685
Lee	34,358	1.08	37,053	2,863	1.08	3,092	9,496	0.83	7,882	15,448	1.06	16,375	1,352	2.64	3,569	5,199	1.18	6,135
Louisa	18,889	1.49	28,236	3,666	1.40	5,132	2,287	1.04	2,378	10,619	1.40	14,867	1,002	2.96	2,966	1,315	2.20	2,893
Mahaska	37,154	1.51	55,989	17,191	1.48	25,443	5,491	1.13	6,205	11,437	1.33	15,211	2,067	3.34	6,904	968	2.30	2,226
Van Buren	36,357	1.07	38,858	3,780	1.31	4,952	13,824	0.85	11,750	13,644	1.04	14,190	781	2.33	1,820	4,328	1.42	6,146
Wapello	28,367	1.26	35,715	5,083	1.43	7,269	9,070	0.92	8,344	10,296	1.18	12,149	1,455	2.69	3,914	2,463	1.64	4,039
Washington	36,829	1.48	54,566	11,476	1.73	19,853	5,039	1.12	5,644	17,936	1.35	24,214	907	3.39	3,075	1,471	1.21	1,780
For District	363,660	1.28	466,562	75,100	1.52	114,330	83,525	0.93	77,545	167,476	1.23	206,202	11,026	2.88	31,765	26,533	1.38	36,720
For State	2,978,906	1.61	4,795,313	458,556	1 58	725,886	478,615	1.12	535,412	1,476,539	1.45	2,141,459	451,402	2.70	1,219,987	113,794	1.52	172,569


ALL TAME HAY (1930)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
FARM VALUE DEC. 1, 1930
$11.50 per ton
TOTAL $55,146,100
TOTAL YIELD FOR STATE 4,795,313 TONS
AVERAGE PER ACRE 1.61 TONS
MC


CLOVER HAY (1930)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
TOTAL YIELD FOR STATE 725,886 TONS
AVERAGE PER ACRE 1.58 TONS
MC

TIMOTHY HAY (1930)

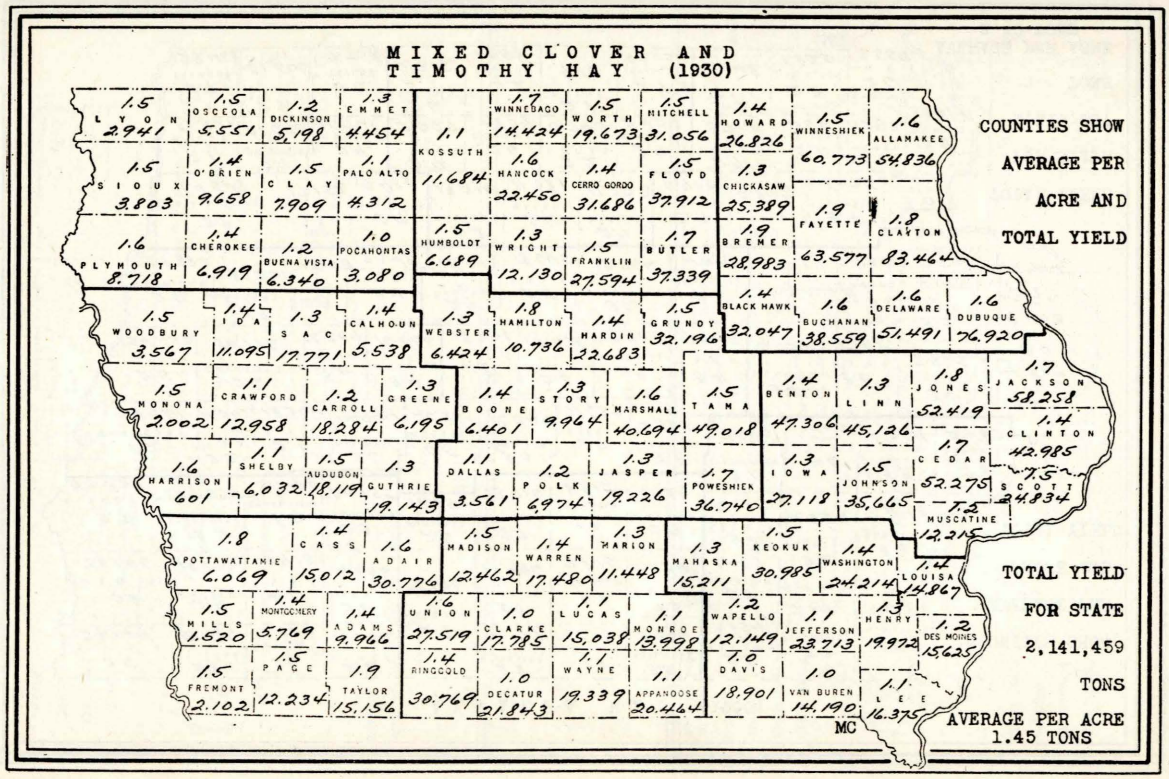


COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

TOTAL YIELD FOR STATE 535,412 TONS

AVERAGE PER ACRE 1.12 TONS

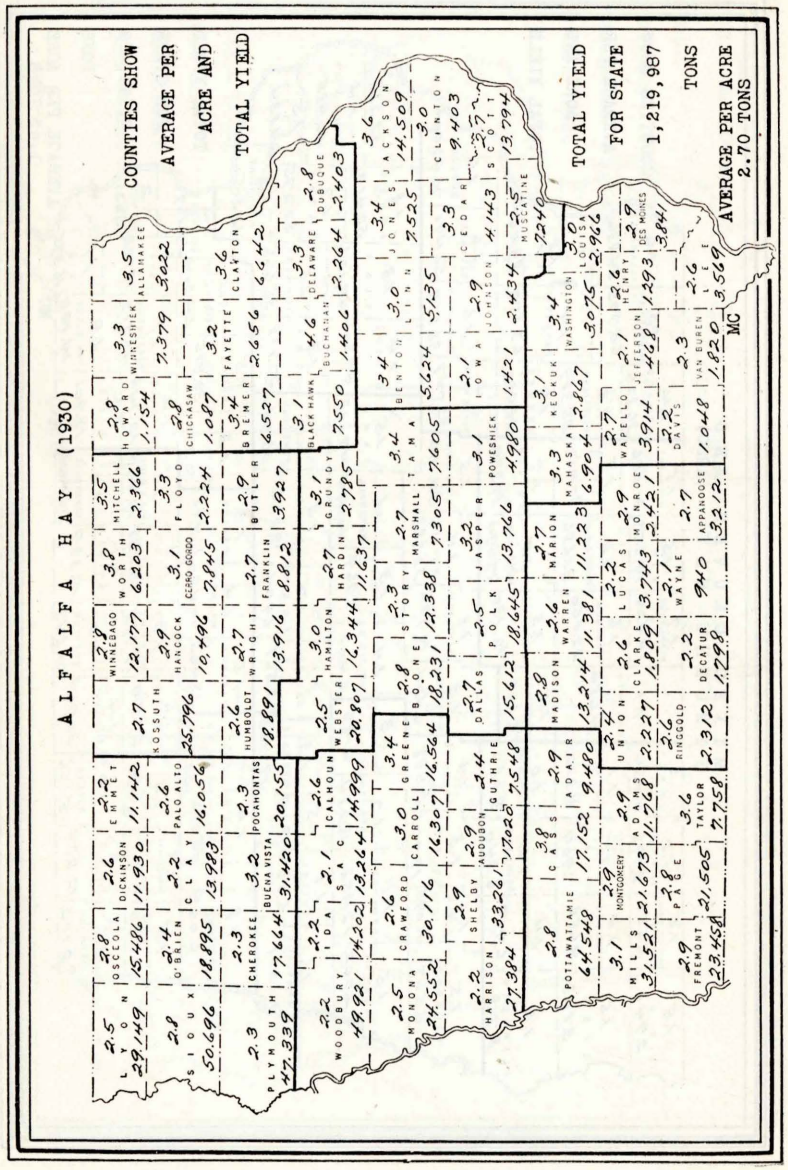
MIXED CLOVER AND TIMOTHY HAY (1930)

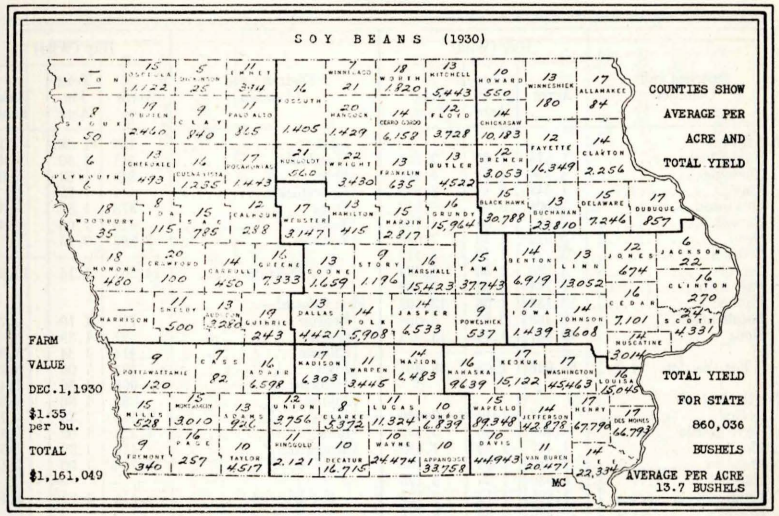


COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

TOTAL YIELD FOR STATE 2,141,459 TONS

AVERAGE PER ACRE 1.45 TONS


ALFALFA HAY (1930)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
TOTAL YIELD FOR STATE 1,219,987 TONS
AVERAGE PER ACRE 2.70 TONS


SOY BEANS (1930)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
FARM VALUE DEC.1,1930 $1.35 per bu. TOTAL $1,161,049
TOTAL YIELD FOR STATE 860,036 BUSHELS
AVERAGE PER ACRE 13.7 BUSHELS

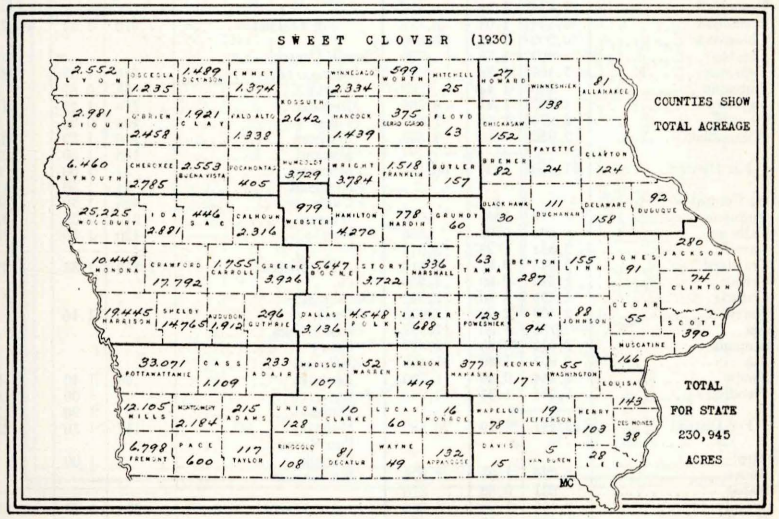

SWEET CLOVER (1930)
COUNTIES SHOW TOTAL ACREAGE
TOTAL FOR STATE 230,945 ACRES

TABLE NO. 5

Acreage, average and total yield of wild hay, for the year 1930, by counties.

Districts and Counties	Hay (Wild) Acres	Tons Per Acre	Total Tons
Northwest—			
Buena Vista	1,813	1.25	2,266
Cherokee	4,434	1.11	4,922
Clay	4,543	0.88	3,998
Dickinson	3,906	0.67	2,617
Emmet	2,007	0.85	1,706
Lyon	5,912	1.19	7,035
O'Brien	3,738	1.10	4,112
Osceola	3,623	1.50	5,434
Palo Alto	7,791	0.92	7,168
Plymouth	12,134	1.08	13,105
Pocahontas	2,468	0.82	2,024
Sioux	10,667	1.31	13,974
For District	63,036	1.08	68,361
North Central—			
Butler	6,707	1.14	7,646
Cerro Gordo	3,481	1.50	5,222
Floyd	1,417	1.33	1,885
Franklin	2,280	1.08	2,462
Hancock	5,069	1.08	5,475
Humboldt	1,895	1.12	2,122
Kossuth	10,575	0.83	8,777
Mitchell	799	1.00	799
Winnebago	9,266	1.12	10,378
Worth	7,939	1.09	8,654
Wright	1,778	1.00	1,778
For District	51,206	1.08	55,198
Northeast—			
Allamakee	663	1.25	829
Blackhawk	3,811	1.33	5,069
Bremer	12,144	1.39	16,880
Buchanan	6,134	1.04	6,379
Chickasaw	9,009	1.15	10,360
Clayton	403	1.75	705
Delaware	3,465	1.26	4,366
Dubuque	226	1.46	330
Fayette	6,707	1.31	8,786
Howard	6,676	1.18	7,878
Winneshiek	4,052	1.12	4,538
For District	53,290	1.24	66,120
West Central—			
Audubon	616	1.55	955
Calhoun	603	0.92	555
Carroll	2,331	1.25	2,914
Crawford	2,946	0.82	2,416
Greene	1,573	0.80	1,258
Guthrie	1,136	1.50	2,962
Harrison	2,463	1.22	2,993
Ida	788	1.50	1,182
Monona	2,919	0.90	2,627
Sac	1,077	1.30	1,400
Shelby	1,444	0.90	1,300
Woodbury	4,531	1.33	6,026
For District	22,417	1.19	26,588
Central—			
Boone	2,739	1.05	2,876
Dallas	631	0.50	316
Grundy	2,155	1.69	3,642
Hamilton	1,461	1.56	2,279
Hardin	1,941	1.00	1,941
Jasper	152	1.08	164
Marshall	111	1.50	166
Polk	843	1.23	1,037
Poweshiek	9	1.75	16
Story	873	1.50	1,310
Tama	420	1.05	441
Webster	2,866	0.75	2,150
For District	14,201	1.15	16,338
East Central—			
Benton	712	1.10	783
Cedar	27	1.38	37
Clinton	1,414	1.34	1,895
Iowa	224	1.00	224
Jackson	998	1.50	1,497
Johnson	286	1.80	515
Jones	146	1.35	197
Linn	1,329	1.00	1,329
Muscatine	414	1.39	575
Scott	1,126	1.00	1,126
For District	6,676	1.22	8,178
Southwest—			
Adair	1,205	1.55	1,868
Adams	630	1.58	995
Cass	289	1.31	379
Fremont	607	1.33	807
Mills	1,570	1.25	1,962
Montgomery	223	1.47	328
Page	320	1.20	384
Pottawattamie	2,852	1.24	3,536
Taylor	274	1.67	458
For District	7,970	1.34	10,717
South Central—			
Appanoose	646	1.33	859
Clarke	38	0.67	25
Decatur	116	1.22	142
Lucas	104	0.90	94
Madison	780	1.33	1,037
Marion	158	1.50	237
Monroe	32	1.00	32
Ringgold	74	1.50	111
Union	466	1.30	606
Warren	216	1.50	324
Wayne	120	1.50	180
For District	2,750	1.33	3,647
Southeast—			
Davis	6	1.16	7
Des Moines	.....	.....	.....
Henry	.....	.....	.....
Jefferson	.....	.....	.....
Keokuk	40	1.40	56
Lee	82	1.00	82
Louisa	107	1.20	128
Mahaska	157	1.50	236
Van Buren	.....	.....	.....
Wapello	2	1.00	2
Washington	.....	.....	.....
For District	394	1.29	511
For State	221,940	1.15	255,658

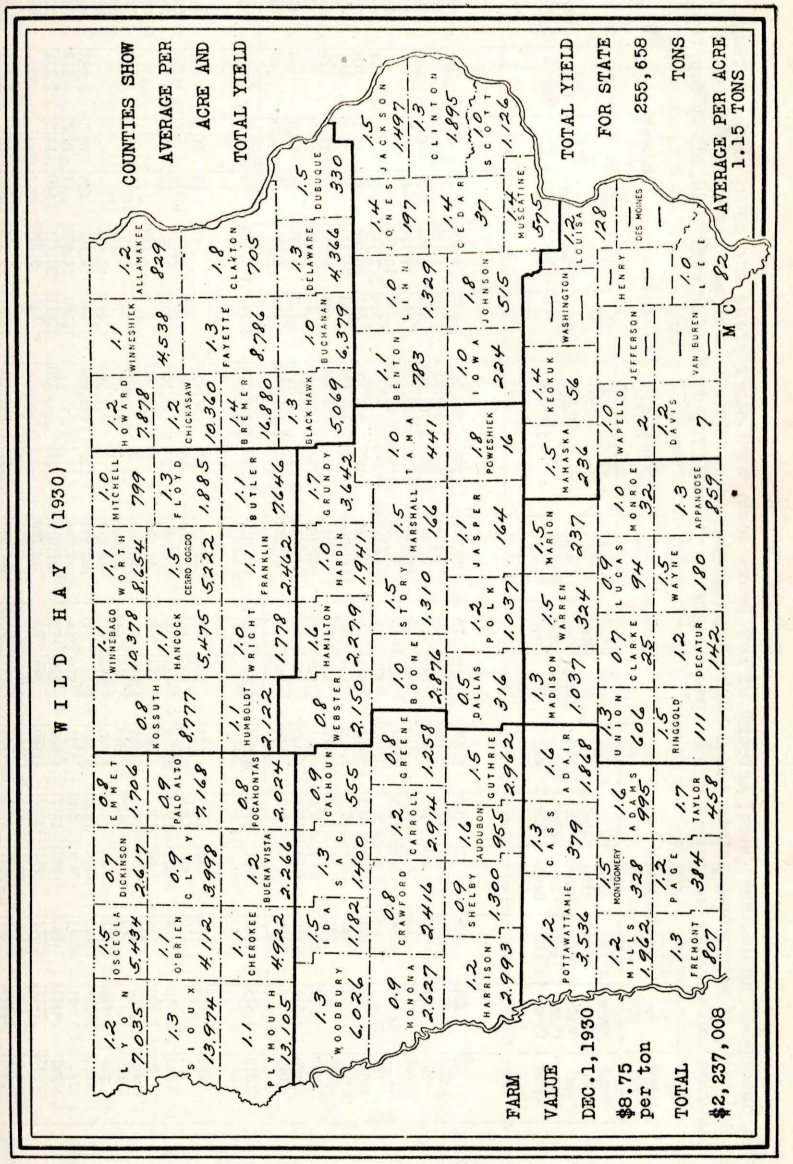


TABLE NO. 6

Number of bushels of apples harvested; acreage of soy beans sown with other crops and sown alone; acreage, average and total yield of soy beans, potatoes and buckwheat; acreage and total yield of pop corn and flax seed; acreage in pastures and acreage in crops not otherwise enumerated in this report, for the year 1930, all by counties.

Districts and Counties	Apples	Soy Beans					Potatoes			Pop Corn		Flax Seed		Buckwheat			Pastures	Acreage in Crops Not Otherwise Enumerated
	Total Bushels Harvested	Acres Sown With Other Crops	Acres Sown Alone	Acres Harvested for Beans	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Total Pounds	Acres	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Total Acreage	
Northwest—																		
Buena Vista	42	254	128	77	16.0	1,235	499	57	28,443	263	339,500	493	6,808	15	9.3	140	62,819	629
Cherokee	774	376	79	39	12.6	493	704	61	42,944	831	1,099,000	76	1,191	.....	.....	.....	80,972	134
Clay	808	577	190	96	8.8	840	249	46	11,454	3,343	3,768,560	523	6,093	25	8.0	200	70,615	135
Dickinson	625	26	55	5	5.0	25	377	54	20,358	456	430,125	1,244	15,724	44	6.3	275	50,154	227
Emmet	.....	40	96	35	11.3	394	350	69	24,150	66	56,400	1,205	16,408	.....	.....	.....	46,599	260
Lyon	161	.....	8	.....	.....	.....	839	71	59,569	.....	.....	526	7,241	23	3.2	74	60,290	14
O'Brien	1,088	236	224	129	19.1	2,460	635	53	33,655	435	523,100	1,115	16,690	27	11.1	300	63,407	218
Osceola	217	2	145	74	15.2	1,122	800	59	47,200	172	199,000	1,800	25,113	47	6.5	305	40,525	773
Palo Alto	10	33	128	76	11.4	865	133	52	6,916	36	65,600	666	5,612	8	27.6	220	61,724	401
Plymouth	687	17	4	1	6.0	6	917	71	65,107	754	897,950	41	570	.....	.....	.....	112,493	577
Pocahontas	20	115	210	86	16.8	1,443	215	42	9,030	22	26,000	122	1,512	4	15.0	60	47,281	578
Sioux	1,047	2	16	6	8.3	50	868	74	64,232	832	1,145,000	386	5,496	5	8.0	40	75,755	54
For District	5,479	1,678	1,283	624	14.3	8,933	6,586	62.7	413,058	7,210	8,550,235	8,197	108,458	1	98 8	.2 1,614	772,634	4,000
North Central—																		
Butler	692	1,408	1,178	350	12.9	4,522	654	82	53,628	11	16,470	.....	.....	22	11.2	247	92,633	571
Cerro Gordo	185	579	1,370	455	13.5	6,158	657	66	43,362	10	13,000	283	3,044	145	8.9	1,285	90,128	834
Floyd	145	79	574	321	11.6	3,728	435	68	29,580	27	41,100	321	3,645	52	11.3	590	70,723	697
Franklin	360	1,500	214	50	12.7	635	824	64	52,736	8	13,900	8	140	.....	.....	.....	76,105	1,334
Hancock	712	35	278	70	20.4	1,429	1,331	92	122,452	2	2,000	181	1,547	56	10.4	585	70,175	1,797
Humboldt	340	.....	82	27	20.7	560	235	64	15,040	7	15,000	74	472	.....	.....	.....	40,762	538
Kossuth	268	198	181	86	16.3	1,405	887	97	86,039	2	1,500	1,647	17,866	.....	.....	.....	104,764	2,933
Mitchell	114	243	1,141	419	13.0	5,443	1,462	71	103,802	129	182,800	1,485	16,191	279	10.3	2,883	69,209	2,361
Winnebago	.....	21	42	3	7.0	21	376	64	24,064	.....	.....	1,180	14,008	11	10.5	115	50,212	2,018
Worth	242	11	195	103	17.7	1,820	370	73	27,010	1	420	1,971	20,176	660	11.2	7,374	57,722	387
Wright	395	117	372	153	22.4	3,430	566	65	36,790	.....	.....	243	2,229	.....	.....	.....	61,878	1,214
For District	3,453	4,191	5,627	2,037	14.3	29,151	7,797	76.3	594,503	197	286,190	7,393	79,318	1,225	10.7	13,079	784,311	14,684

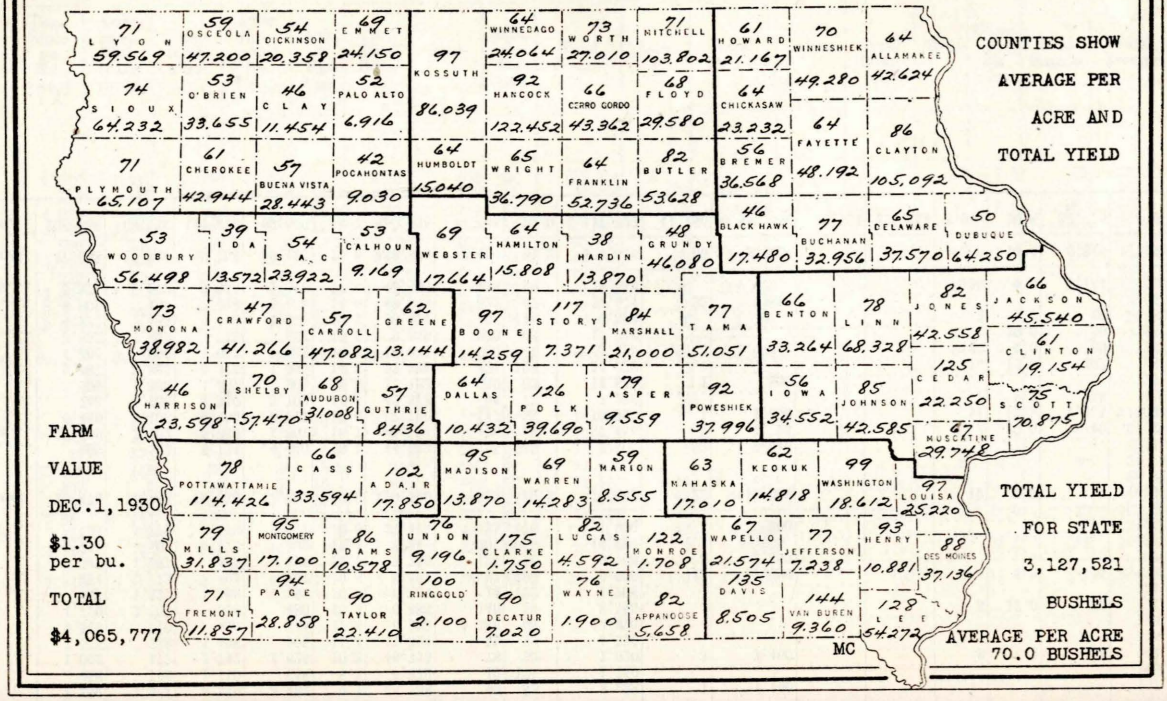
Northeast—																		
Allamakee	845	117	29	5	16.8	84	666	64	42,624	1	1,200	51	633	26	7.4	192	154,730	118
Blackhawk	1,236	2,190	4,162	2,030	15.2	30,788	380	46	17,480	44	38,300	.....	.....	26	23.6	614	92,629	3,371
Bremer	199	512	1,389	246	12.4	3,053	653	56	36,568	.....	.....	.....	.....	33	6.5	213	77,766	818
Buchanan	1,928	3,288	4,717	1,857	12.8	23,810	428	77	32,956	2	1,680	.....	.....	61	12.1	738	106,987	199
Chickasaw	217	30	1,677	723	14.1	10,183	363	64	23,232	53	44,600	199	1,440	105	14.8	1,557	92,833	31
Clayton	2,788	947	383	160	14.1	2,256	1,222	86	105,092	.....	.....	55	528	93	16.6	1,544	178,707	1,275
Delaware	1,715	2,345	1,323	490	14.8	7,246	578	65	37,570	3	3,910	.....	.....	18	6.7	121	113,953	448
Dubuque	1,218	385	184	51	16.8	857	1,284	50	64,250	.....	.....	19	200	.....	.....	.....	141,554	653
Fayette	1,677	960	5,158	1,384	11.8	16,349	753	64	48,192	22	26,180	14	186	176	12.8	2,247	155,073	726
Howard	428	684	216	53	10.4	550	347	61	21,167	13	17,600	1,642	15,585	605	10.1	6,119	89,884	105
Winneshiek	1,606	1,644	43	14	12.9	180	704	70	49,280	2	1,800	776	8,308	17	11.5	195	142,564	235
For District	13,857	13,102	19,281	7,013	13.6	95,356	7,378	64.8	478,411	140	135,270	2,756	26,880	1,160	11.7	13,540	1,346,680	7,979
West Central—																		
Audubon	1,320	57	302	255	12.9	3,280	456	68	31,008	96	119,850	.....	.....	.....	.....	.....	77,024	559
Calhoun	200	.....	40	25	11.5	288	173	53	9,169	702	856,000	63	462	10	10.0	100	50,133	347
Carroll	97	254	42	32	14.1	450	826	57	47,082	1,140	1,520,990	61	280	.....	.....	.....	77,285	39
Crawford	135	.....	11	5	20.0	100	878	47	41,266	1,539	2,203,870	18	150	.....	.....	.....	121,796	82
Greene	114	1,523	718	467	15.7	7,333	212	62	13,144	2	2,220	28	80	.....	.....	.....	67,428	54
Guthrie	235	183	68	13	18.7	243	148	57	8,436	.....	.....	.....	.....	.....	.....	.....	120,698	33
Harrison	18,806	8	7	.....	.....	.....	513	46	23,598	14	14,200	.....	.....	.....	.....	.....	97,424	696
Ida	301	.....	44	15	7.7	115	348	39	13,572	9,393	10,994,904	20	220	.....	.....	.....	55,113	22
Monona	1,183	12	26	26	18.5	480	534	73	38,982	3	4,000	532	3,156	.....	.....	.....	99,011	383
Sac	.....	200	90	51	15.4	785	443	54	23,922	17,725	22,671,050	165	1,700	.....	.....	.....	64,827	757
Shelby	423	281	47	45	11.1	500	821	70	57,470	21	17,200	.....	.....	.....	.....	.....	85,329	146
Woodbury	2,751	143	2	2	17.5	35	1,066	53	56,498	1,693	1,947,900	80	200	23	8.3	190	102,652	840
For District	25,565	2,661	1,397	936	14.5	13,609	6,418	56.7	364,147	32,328	40,352,184	967	6,248	33	8.8	290	1,018,720	3,958
Central—																		
Boone	414	1,395	268	126	13.2	1,659	147	97	14,259	4	3,500	6	85	.....	.....	.....	75,532	583
Dallas	2,367	908	458	349	12.7	4,421	163	64	10,432	8	6,720	.....	.....	.....	.....	.....	92,369	876
Grundy	221	130	1,415	998	16.0	15,964	960	48	46,080	94	182,000	.....	.....	.....	.....	.....	71,624	700
Hamilton	153	165	69	31	13.4	415	247	64	15,808	1	1,070	245	2,110	.....	.....	.....	63,336	700
Hardin	1,021	465	350	190	14.8	2,817	365	38	13,870	47	65,380	79	1,200	38	8.7	331	77,766	756
Jasper	2,709	251	451	451	14.5	6,533	121	79	9,559	11	5,350	19	210	.....	.....	.....	140,005	251
Marshall	896	365	1,180	947	16.3	15,423	250	84	21,000	9	6,040	12	90	20	2.5	50	91,934	2,121
Polk	30,531	297	744	417	14.2	5,908	315	126	39,690	9	5,800	.....	.....	.....	.....	.....	81,087	4,805
Powshiek	609	66	76	58	9.3	537	413	92	37,996	69	156,000	.....	.....	2	7.5	15	116,837	422
Story	216	43	210	139	8.6	1,196	63	117	7,371	509	495,250	.....	.....	.....	.....	.....	61,640	2,848
Tama	739	453	2,648	2,552	14.8	37,743	663	77	51,051	.....	.....	.....	.....	.....	.....	.....	131,217	1,148
Webster	1,036	.....	238	181	17.4	3,147	256	69	17,664	2	2,000	45	570	.....	.....	.....	77,793	872
For District	40,912	4,538	8,107	6,439	14.9	95,763	3,963	71.9	284,780	763	929,110	406	4,265	60	6.6	396	1,081,140	16,082

TABLE NO. 6—Continued

Districts and Counties	Apples	Soy Beans					Potatoes			Pop Corn		Flax Seed		Buckwheat			Pastures	Acreage in Crops Not Otherwise Enumerated
	Total Bushels Harvested	Acres Sown With Other Crops	Acres Sown Alone	Acres Harvested for Beans	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Total Pounds	Acres	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Total Acreage	
East Central—																		
Benton	5,318	1,931	1,068	499	13.9	6,919	504	66	33,264	.....	.....	3	45	13	7.9	103	113,729	4,507
Cedar	914	958	557	446	15.9	7,101	178	125	22,250	157	256,000	.....	.....	.....	.....	.....	111,874	863
Clinton	1,078	58	46	17	15.9	270	314	61	19,154	5	6,000	.....	.....	20	5.0	100	140,014	777
Iowa	3,440	1,471	280	128	11.2	1,439	617	56	34,552	.....	.....	.....	.....	.....	.....	.....	117,195	1,879
Jackson	280	107	35	4	5.5	22	690	66	45,540	1	1,000	.....	.....	.....	.....	.....	193,081	8
Johnson	3,941	829	389	258	13.6	3,608	501	85	42,585	30	34,000	.....	.....	11	15.1	166	126,997	771
Jones	230	579	171	58	11.6	674	519	82	42,558	.....	.....	.....	.....	.....	.....	.....	145,263	314
Linn	3,408	1,415	1,982	1,020	12.8	13,052	876	78	68,328	137	147,650	.....	.....	20	13.0	260	133,588	2,386
Muscatine	3,626	880	690	220	13.7	3,014	444	67	29,748	17	19,900	.....	.....	.....	.....	.....	86,315	6,703
Scott	6,950	698	268	177	24.5	4,331	945	75	70,875	1	1,000	.....	.....	.....	.....	.....	79,187	1,768
For District	29,185	8,926	5,486	2,827	14.3	40,430	5,588	73.2	408,854	348	465,550	3	45	64	9.8	629	1,247,243	19,976
Southwest—																		
Adair	121	2,267	644	425	15.5	6,598	175	102	17,850	.....	.....	.....	.....	.....	.....	.....	116,799	25
Adams	782	.....	128	73	12.7	926	123	86	10,578	.....	.....	5	100	5	9.0	45	102,884	51
Cass	157	509	32	12	6.8	82	509	66	33,594	1	1,890	.....	.....	.....	.....	.....	99,875	559
Fremont	5,089	118	58	38	8.9	340	167	71	11,857	.....	.....	.....	.....	8	6.3	50	54,979	2,397
Mills	300	2	35	35	15.1	528	403	79	31,837	10	11,485	.....	.....	.....	.....	.....	56,862	203
Montgomery	25	100	222	197	15.3	3,010	180	95	17,100	63	69,700	.....	.....	.....	.....	.....	67,207	456
Page	2,089	183	94	16	16.1	257	307	94	28,858	.....	.....	.....	.....	5	12.0	60	102,658	555
Pottawattamie	195	20	13	13	9.2	120	1,467	78	114,426	42	44,850	.....	.....	.....	.....	.....	124,486	1,855
Taylor	1,210	716	867	461	9.8	4,517	249	90	22,410	2	1,380	.....	.....	5	23.6	118	120,617	7
For District	9,968	3,915	2,093	1,270	12.9	16,378	3,580	80.6	288,510	118	129,305	5	100	23	11.9	273	846,367	6,108

South Central—																		
Appanoose	1,729	1,421	6,339	3,463	9.7	33,758	69	82	5,658	1	1,190	.....	.....	.....	.....	.....	157,997	183
Clarke	258	768	1,110	648	8.3	5,372	10	175	1,750	.....	.....	.....	.....	.....	.....	.....	105,222	30
Decatur	1,062	417	2,742	1,625	10.3	16,715	78	90	7,020	3	3,460	.....	.....	8	4.9	39	144,184	178
Lucas	1,678	738	1,408	995	11.4	11,324	56	82	4,592	.....	.....	.....	.....	.....	.....	.....	116,355	38
Madison	9,549	570	430	365	17.3	6,303	146	95	13,870	.....	.....	.....	.....	.....	.....	.....	140,299	227
Marion	1,720	2,707	679	480	13.5	6,483	145	59	8,555	.....	.....	.....	.....	5	15.0	75	121,863	56
Monroe	653	1,527	1,386	654	10.5	6,839	14	122	1,708	.....	.....	.....	.....	.....	.....	.....	134,132	51
Ringgold	371	73	491	197	10.8	2,121	21	100	2,100	12	11,000	.....	.....	6	4.2	25	132,359	26
Union	547	1,287	465	321	11.7	3,756	121	76	9,196	5	2,350	.....	.....	.....	.....	.....	107,176	70
Warren	2,713	501	472	302	11.4	3,445	207	69	14,283	.....	.....	.....	.....	.....	.....	.....	131,914	122
Wayne	193	1,779	3,516	2,341	10.5	24,474	25	76	1,900	1	500	.....	.....	.....	.....	.....	124,545	57
For District	20,473	11,788	19,038	11,391	10.6	120,590	892	79.2	70,632	22	18,500	.....	.....	19	7.3	139	1,416,046	1,038
Southeast—																		
Davis	809	522	8,124	4,440	10.1	44,943	63	135	8,505	33	8,616	.....	.....	.....	.....	.....	157,090	161
Des Moines	10,606	2,762	5,080	4,001	16.7	66,793	422	88	37,136	3	4,725	.....	.....	2	20.0	40	92,250	699
Henry	5,480	1,106	6,155	3,977	17.0	67,790	117	93	10,881	1	1,000	.....	.....	91	13.8	1,255	108,266	467
Jefferson	743	1,400	4,310	3,102	13.8	42,878	94	77	7,238	.....	.....	.....	.....	7	9.3	65	110,589	26
Keokuk	3,208	1,333	1,567	900	16.8	15,122	239	62	14,818	1	800	.....	.....	.....	.....	.....	128,765	172
Lee	9,687	3,825	5,475	1,549	14.4	22,334	424	128	54,272	.....	.....	.....	.....	16	12.6	202	148,216	3,005
Louisa	4,366	896	1,697	933	16.1	15,045	260	97	25,220	.....	.....	.....	.....	20	3.0	60	73,936	2,898
Mahaska	3,852	1,651	715	623	15.5	9,639	270	63	17,010	.....	.....	.....	.....	1	20.0	20	115,678	479
Van Buren	4,227	1,135	5,142	1,877	10.9	20,471	65	144	9,360	.....	.....	.....	.....	3	6.7	20	156,027	315
Wapello	8,808	438	7,538	6,135	14.6	89,348	322	67	21,574	22	7,865	.....	.....	.....	.....	.....	105,230	574
Washington	5,872	2,272	3,355	2,616	17.4	45,463	188	99	18,612	.....	.....	.....	.....	120	9.6	1,154	122,903	400
For District	57,658	17,340	49,158	30,153	14.6	439,826	2,464	91.2	224,626	60	23,006	.....	.....	260	10.8	2,816	1,318,950	9,196
For State	206,550	68,139	111,470	62,690	13.7	860,036	44,666	70.0	3,127,521	41,186	50,889,350	19,727	225,314	3,042	10.8	32,776	9,832,091	83,021

POTATOES (1930)



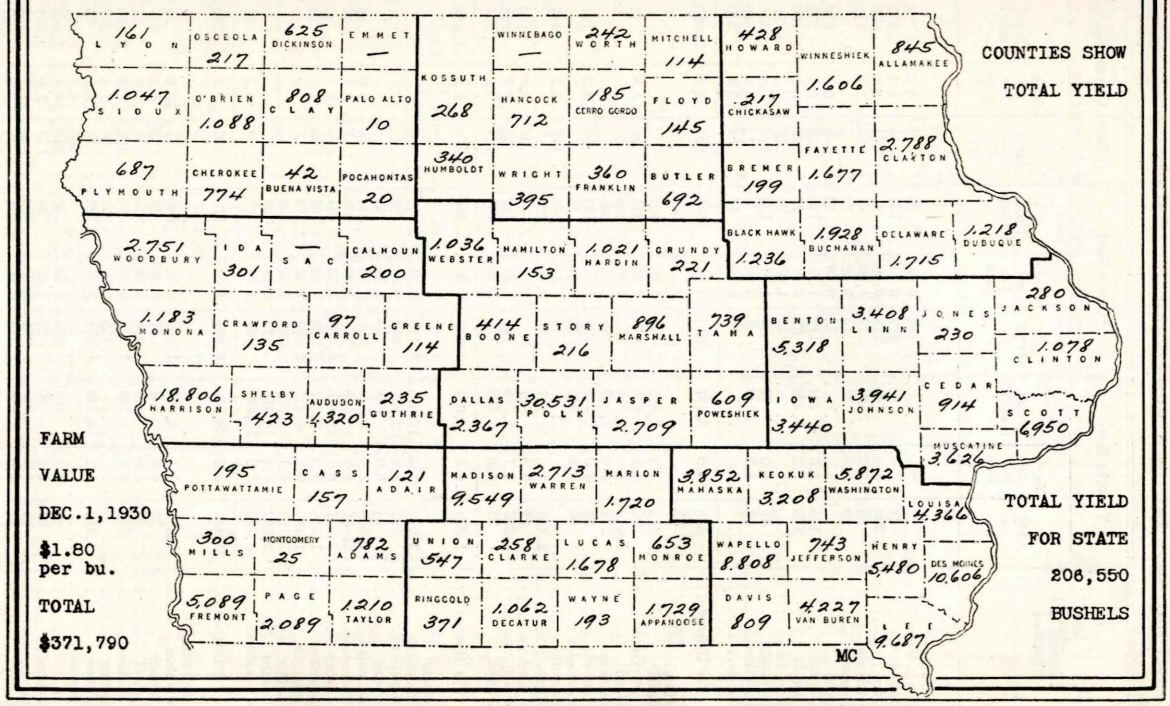
FARM VALUE DEC. 1, 1930
$1.30 per bu.
TOTAL
$4,065,777

COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

TOTAL YIELD FOR STATE 3,127,521 BUSHELS

AVERAGE PER ACRE 70.0 BUSHELS

APPLES (1930)



FARM VALUE DEC. 1, 1930
$1.80 per bu.
TOTAL
$371,790

COUNTIES SHOW TOTAL YIELD

TOTAL YIELD FOR STATE 206,550 BUSHELS

TABLE NO. 7

Acreage, average and total yield of timothy seed, clover seed, (red, alsike, etc.), and sweet clover seed, and total acreage of sweet clover for all purposes, for the year 1930, all by counties.

Districts and Counties	Timothy Seed			*Clover Seed			Sweet Clover Seed			†Sweet Clover
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres
Northwest—										
Buena Vista	.....	.....	.....	118	0.66	78	4	2.0	8	2,553
Cherokee	13	6.5	85	182	0.85	154	45	6.1	275	2,785
Clay	208	3.4	703	118	0.58	69	281	2.2	630	1,921
Dickinson	33	3.2	106	38	1.08	41	33	3.5	116	1,489
Emmet	20	3.8	75	40	0.40	16	.....	.....	.....	1,374
Lyon	.....	.....	.....	33	0.30	10	150	5.5	829	2,552
O'Brien	135	5.3	721	119	1.23	146	38	6 7	255	2,458
Osceola	178	7.2	1,280	32	0.44	14	27	6.7	180	1,235
Palo Alto	.....	.....	.....	20	1.05	21	28	2.7	76	1,338
Plymouth	17	4.5	77	82	1.51	124	244	1.4	333	6,460
Pocahontas	35	4.3	150	6	0.83	5	17	2.4	40	405
Sioux	.....	.....	.....	35	0.46	16	58	5.3	310	2,981
For District	639	5.0	3,197	823	0.84	694	925	3.3	3,052	27,551
North Central—										
Butler	479	4.2	2,023	471	0.86	407	.....	.....	.....	157
Cerro Gordo	200	4.6	926	643	1.26	811	24	1.8	42	375
Floyd	1,042	4.6	4,742	187	1.10	206	.....	.....	.....	63
Franklin	318	4.0	1,282	134	0.75	100	.....	.....	.....	1,518
Hancock	82	4.0	325	122	1.02	124	50	3.2	161	1,439
Humboldt	50	6.6	329	28	0.54	15	.....	.....	.....	3,729
Kossuth	.....	.....	.....	68	1.41	96	148	3.3	495	2,642
Mitchell	3,154	4.5	14,207	336	0.96	324	.....	.....	.....	25
Winnebago	92	3.5	321	.....	.....	.....	25	6.0	150	2,334
Worth	383	4.7	1,798	109	1.03	112	55	4.7	260	599
Wright	22	4.6	102	113	1.28	145	274	1.9	531	3,784
For District	5,822	4.5	26,055	2,211	1.06	2,340	576	2.8	1,639	16,665
Northeast—										
Allamakee	3,217	5.6	17,993	2,143	1.14	2,437	.....	.....	.....	81
Blackhawk	521	5.4	2,832	240	0.83	199	.....	.....	.....	30
Bremer	65	6.0	388	53	1.30	69	.....	.....	.....	82
Buchanan	1,161	3.9	4,525	857	0.99	845	16	3.0	48	111
Chickasaw	3,601	4.3	15,448	133	1.80	239	7	2.9	20	152
Clayton	2,047	6.4	13,176	6,702	1.33	8,894	28	3.1	86	124
Delaware	1,518	5.5	8,294	2,079	1.14	2,364	28	1.1	30	158
Dubuque	1,480	6.6	9,813	5,680	1.30	7,373	.....	.....	.....	92
Fayette	2,723	5.1	14,013	565	1.30	734	.....	.....	.....	24
Howard	3,682	4.4	16,356	29	0.76	22	.....	.....	.....	27
Winneshiek	5,105	5.0	25,381	163	1.21	197	23	4.2	96	138
For District	25,120	5.1	128,219	18,644	1.25	23,373	102	2.7	280	1,019
West Central—										
Audubon	1,344	5.1	6,855	1,169	0.76	890	1	10.0	10	1,912
Calhoun	24	4.0	97	37	0.49	18	32	4.6	147	2,316
Carroll	92	4.8	444	476	0.69	330	14	3.2	45	1,755
Crawford	161	4.8	773	1,269	0.76	964	382	2.8	1,080	17,792
Greene	.....	.....	.....	155	0.99	153	90	2.4	212	3,926
Guthrie	3,240	4.2	13,740	1,434	0.96	1,382	15	3.7	55	296
Harrison	.....	.....	.....	.....	.....	.....	636	4.7	3,014	19,445
Ida	40	4.1	162	399	0.72	287	246	4.3	1,062	2,881
Monona	20	4.0	80	24	1.42	34	759	3.9	2,951	10,449
Sac	50	4.3	215	205	0.66	135	6	2.7	16	446
Shelby	84	5.0	420	2,548	0.99	2,524	26	2.2	57	14,765
Woodbury	30	4.7	140	104	1.56	162	1,742	3.6	6,207	25,225
For District	5,085	4.5	22,926	7,820	0.88	6,879	3,949	3.8	14,856	101,208

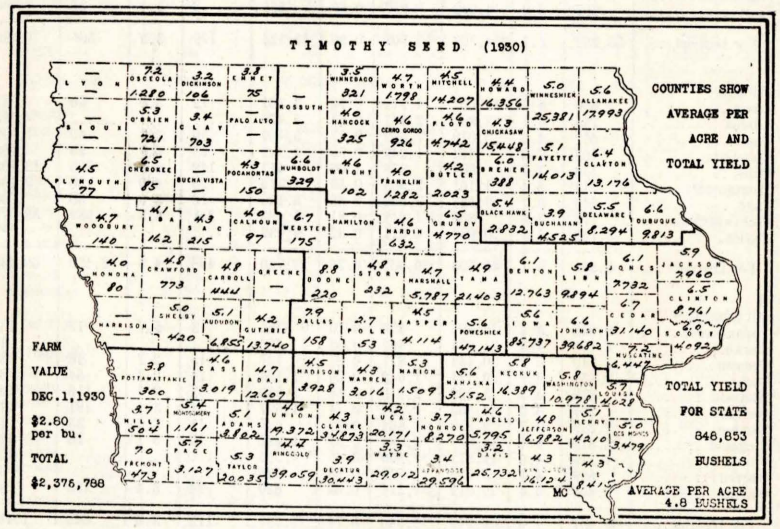
TABLE NO. 7—Continued

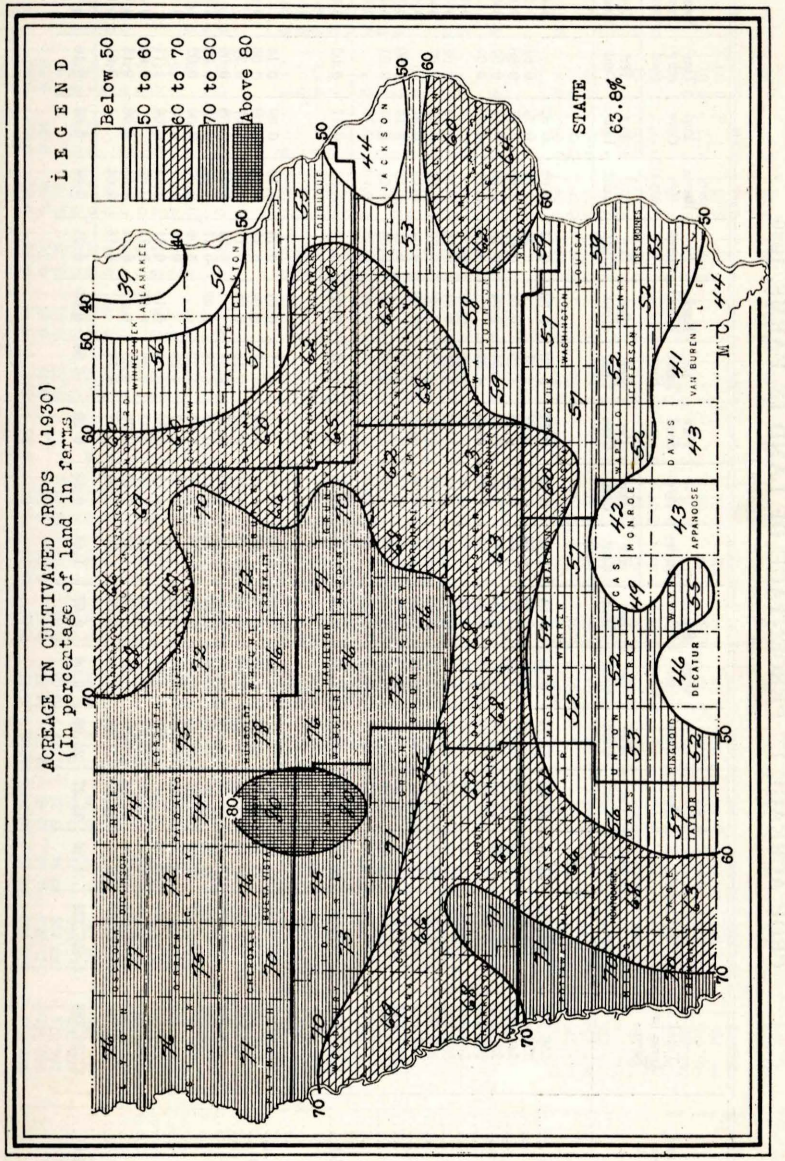
Districts and Counties	Timothy Seed			*Clover Seed			Sweet Clover Seed			†Sweet Clover
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres
Central—										
Boone	25	8.8	220	31	1.19	37	45	2.5	114	5,647
Dallas	20	7.9	158	600	0.68	406	.....	.....	.....	3,136
Grundy	735	6.5	4,770	307	0.79	244	.....	.....	.....	60
Hamilton	.....	.....	.....	53	1.17	62	37	5.7	212	4,270
Hardin	139	4.6	632	738	1.11	822	4	2.2	9	778
Jasper	917	4.5	4,114	2,990	0.74	2,205	60	4.8	290	688
Marshall	1,233	4.7	5,787	2,348	0.81	1,912	75	3.0	227	336
Polk	20	2.7	53	279	0.65	182	.....	.....	.....	4,548
Poweshiek	8,350	5.6	47,143	1,842	0.87	1,602	.....	.....	.....	123
Story	48	4.8	232	66	1.11	73	.....	.....	.....	3,722
Tama	4,373	4.9	21,403	1,084	0.90	973	.....	.....	.....	63
Webster	26	6.7	175	20	1.00	20	10	3.0	30	979
For District	15,886	5.3	84,687	10,358	0.82	8,538	231	3.8	882	24,350
East Central—										
Benton	2,094	6.1	12,763	972	1.10	1,067	27	7.4	201	287
Cedar	4,614	6.7	31,140	726	0.70	511	.....	.....	.....	55
Clinton	1,341	6.5	8,761	1,317	0.85	1,122	48	3.3	160	74
Iowa	15,284	5.6	85,737	1,209	0.83	998	.....	.....	.....	94
Jackson	1,354	5.9	7,960	4,666	1.05	4,884	30	2.5	75	280
Johnson	6,041	6.6	39,682	1,723	0.98	1,690	.....	.....	.....	88
Jones	1,264	6.1	7,732	2,355	0.99	2,320	16	2.6	42	91
Linn	1,715	5.8	9,894	1,601	0.97	1,547	.....	.....	.....	155
Muscatine	893	7.2	6,447	362	0.88	319	.....	.....	.....	166
Scott	682	6.0	4,092	977	0.89	865	8	3.4	27	390
For District	35,282	6.1	214,208	15,908	0.96	15,323	129	3.9	505	1,680
Southwest—										
Adair	2,690	4.7	12,607	4,212	0.79	3,307	12	5.0	60	233
Adams	745	5.1	3,802	2,337	0.63	1,479	.....	.....	.....	215
Cass	652	4.6	3,019	7,582	0.72	5,469	30	2.3	69	1,109
Fremont	68	7.0	473	1,249	0.98	1,222	23	0.9	20	6,798
Mills	136	3.7	504	378	1.09	413	142	6.2	879	12,105
Montgomery	214	5.4	1,161	2,505	0.53	1,316	20	4.0	80	2,184
Page	549	5.7	3,127	3,809	0.83	3,150	10	3.0	30	600
Pottawattamie	79	3.8	300	1,819	0.81	1,465	261	3.8	982	33,071
Taylor	3,751	5.3	20,035	6,011	0.82	4,939	.....	.....	.....	117
For District	8,884	5.1	45,028	29,902	0.76	22,760	498	4.3	2,120	56,432
South Central—										
Appanoose	8,645	3.4	29,596	553	0.70	385	3	5.7	17	132
Clarke	8,159	4.3	34,873	862	0.53	456	.....	.....	.....	10
Decatur	7,749	3.9	30,443	871	0.83	727	15	2.7	40	81
Lucas	4,850	4.2	20,171	1,542	0.76	1,166	24	2.3	54	60
Madison	878	4.5	3,928	2,910	0.89	2,580	33	3.5	116	107
Marion	287	5.3	1,509	2,298	0.74	1,697	54	3.4	181	419
Monroe	2,239	3.7	8,270	864	0.73	627	11	3.2	35	16
Ringgold	8,815	4.4	39,059	2,284	0.87	1,982	15	5.1	76	108
Union	4,213	4.6	19,372	2,290	0.60	1,363	.....	.....	.....	128
Warren	699	4.3	3,016	778	0.68	528	.....	.....	.....	52
Wayne	8,867	3.3	29,012	1,314	0.62	820	24	5.4	130	49
For District	55,401	4.0	219,249	16,566	0.74	12,331	179	3.6	649	1,162

TABLE NO. 7—Continued

Districts and Counties	Timothy Seed			*Clover Seed			Sweet Clover Seed			†Sweet Clover
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres
Southeast—										
Davis	8,132	3.2	25,732	1,077	0.81	877	.....	.....	.....	15
Des Moines	694	5.0	3,479	1,363	0.94	1,288	1	1.0	1	38
Henry	824	5.1	4,210	1,543	1.01	1,553	.....	.....	.....	103
Jefferson	1,467	4.8	6,982	1,922	0.84	1,613	.....	.....	.....	19
Keokuk	2,846	5.8	16,389	1,124	0.77	867	2	1.5	3	17
Lee	1,977	4.3	8,415	1,250	0.89	1,111	.....	.....	.....	28
Louisa	707	5.7	4,028	612	0.79	486	.....	.....	.....	143
Mahaska	563	5.6	3,152	2,234	0.65	1,451	10	2.0	20	377
Van Buren	3,764	4.3	16,124	2,311	0.86	1,991	5	4.0	20	5
Wapello	1,271	4.6	5,795	681	0.86	584	.....	.....	.....	78
Washington	1,898	5.8	10,978	1,907	0.93	1,772	19	1.3	24	55
For District	24,143	4.4	105,284	16,024	0.85	13,593	37	1.8	68	878
For State	176,262	4.8	848,853	118,256	0.89	105,831	6,626	3.6	24,051	230,945

*Does not include sweet clover.
†Sweet clover, all varieties, for all purposes.





CROP ACREAGE IN PERCENTAGE OF LAND IN FARMS, 1930

(Based on assessors' reports.)

Districts and Counties	Total Acres in Farms	All Crops*		Corn	Oats	Winter Wheat	Spring Wheat	Barley	Rye	Flax Seed	All Tame Hay	Buckwheat	Potatoes	Soy Beans (for beans)	Pop Corn	Timothy Seed	Sweet Clover Seed	Miscellaneous Crops
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Northwest—																		
Buena Vista	358,220	272,212	75.99	40.88	27.32	0.04	0.01	1.44	0.05	0.14	5.70	0.00	0.14	0.02	0.07	.....	0.00	0.18
Cherokee	359,401	251,856	70.08	38.29	20.31	0.01	0.04	4.30	0.00	0.02	6.61	.....	0.20	0.01	0.23	0.01	0.01	0.04
Clay	349,569	252,607	72.26	37.18	26.11	0.04	0.05	2.86	0.24	0.15	4.39	0.01	0.07	0.03	0.95	0.06	0.08	0.04
Dickinson	234,832	167,417	71.29	35.66	23.93	0.07	0.06	5.35	0.66	0.53	4.54	0.01	0.16	0.00	0.19	0.01	0.02	0.10
Emmet	245,446	181,158	73.81	36.92	26.22	0.11	0.04	4.09	1.02	0.49	4.62	.....	0.14	0.01	0.03	0.01	.....	0.11
Lyon	364,713	278,641	76.40	39.15	29.05	0.03	0.02	3.29	0.08	0.14	4.36	0.01	0.23	.....	.....	.....	0.04	0.00
O'Brien	353,322	265,405	75.12	38.86	24.58	0.01	0.04	5.27	0.04	0.32	5.54	0.01	0.18	0.04	0.12	0.04	0.01	0.06
Osceola	250,093	191,597	76.61	37.55	29.22	0.04	0.02	3.34	0.17	0.72	4.72	0.02	0.32	0.03	0.07	0.07	0.01	0.31
Palo Alto	344,014	255,843	74.37	38.87	29.06	0.08	0.04	1.31	0.94	0.19	3.68	0.00	0.04	0.02	0.01	.....	0.01	0.12
Plymouth	541,045	385,276	71.21	39.94	19.12	0.35	0.42	5.25	0.18	0.01	5.47	.....	0.17	0.00	0.14	0.00	0.05	0.11
Pocahontas	357,818	285,013	79.65	42.75	31.55	0.09	0.08	0.70	0.23	0.03	3.96	0.00	0.06	0.02	0.01	0.01	0.00	0.16
Sioux	472,353	360,084	76.23	40.83	25.77	0.12	0.09	3.80	0.04	0.08	5.12	0.00	0.18	0.00	0.18	.....	0.01	0.01
For District	4,230,826	3,147,109	74.39	39.19	25.68	0.10	0.09	3.44	0.26	0.19	4.95	0.00	0.16	0.02	0.17	0.02	0.02	0.10
North Central—																		
Butler	353,250	231,455	65.52	32.99	22.61	0.06	0.09	0.84	0.33	.....	8.01	0.01	0.18	0.10	0.00	0.14	.....	0.16
Cerro Gordo	348,825	234,274	67.16	32.69	23.05	0.06	0.04	1.89	0.11	0.08	8.57	0.04	0.19	0.13	0.00	0.06	0.01	0.24
Floyd	302,374	212,935	70.42	33.31	25.18	0.06	0.10	1.45	0.21	0.11	9.15	0.02	0.14	0.11	0.01	0.34	.....	0.23
Franklin	361,743	260,597	72.04	38.49	24.12	0.02	0.05	1.15	0.06	0.00	7.44	.....	0.23	0.02	0.00	0.09	.....	0.37
Hancock	353,528	255,333	72.22	35.97	26.50	0.08	0.07	1.79	0.23	0.05	6.58	0.02	0.37	0.02	0.00	0.02	0.01	0.51
Humboldt	266,093	206,357	77.55	41.03	28.89	0.14	0.03	1.73	0.16	0.03	5.22	.....	0.09	0.01	0.00	0.02	.....	0.20
Kossuth	602,659	450,217	74.70	38.33	29.49	0.10	0.03	1.22	0.20	0.27	4.39	.....	0.15	0.01	0.00	.....	0.02	0.49
Mitchell	284,828	195,939	68.79	27.07	25.33	0.03	0.15	2.79	0.12	0.52	10.04	0.10	0.51	0.15	0.04	1.11	.....	0.83
Winnebago	247,664	168,999	68.24	32.96	23.71	0.03	0.06	3.06	0.34	0.48	6.59	0.00	0.15	0.00	.....	0.04	0.01	0.81
Worth	248,378	164,658	66.29	27.68	25.71	0.02	0.13	1.92	0.42	0.79	8.83	0.27	0.15	0.04	0.00	0.15	0.02	0.16
Wright	360,146	274,459	76.21	41.61	27.63	0.06	0.04	1.35	0.05	0.07	4.78	.....	0.16	0.04	.....	0.01	0.07	0.34
For District	3,729,488	2,655,223	71.20	35.27	25.90	0.06	0.07	1.65	0.20	0.20	6.98	0.03	0.21	0.06	0.00	0.16	0.02	0.39

Northeast—																		
Allamakee	382,798	150,198	39.24	12.50	11.08	0.17	0.12	2.16	0.07	0.01	12.07	0.01	0.18	0.00	0.00	0.84	.....	0.03
Blackhawk	340,504	221,882	65.16	32.63	19.73	0.11	0.04	0.90	0.39	.....	9.49	0.01	0.11	0.60	0.01	0.15	.....	0.99
Bremer	264,674	158,393	59.84	27.32	21.71	0.03	0.04	0.67	0.17	.....	9.22	0.01	0.25	0.09	.....	0.02	.....	0.31
Buchanan	350,732	216,069	61.61	31.03	18.47	0.06	0.05	0.44	0.28	.....	10.21	0.02	0.12	0.53	0.00	0.33	0.01	0.06
Chickasaw	302,189	180,753	59.81	25.04	21.19	0.06	0.06	1.06	0.14	0.07	10.58	0.03	0.12	0.24	0.02	1.19	0.00	0.01
Clayton	465,730	232,299	49.88	17.95	15.71	0.04	0.15	1.64	0.05	0.01	13.30	0.02	0.26	0.03	.....	0.44	0.01	0.27
Delaware	353,416	213,511	60.41	27.37	18.52	0.04	0.07	1.08	0.21	.....	12.25	0.00	0.16	0.14	0.00	0.43	0.01	0.13
Dubuque	363,653	194,500	53.48	20.18	15.26	0.03	0.16	0.90	0.01	0.01	15.98	.....	0.35	0.01	.....	0.41	.....	0.18
Fayette	444,103	252,311	56.81	23.40	18.58	0.06	0.09	1.22	0.15	0.00	12.01	0.04	0.17	0.31	0.01	0.61	.....	0.16
Howard	293,722	177,475	60.42	20.99	21.98	0.03	0.05	2.19	0.11	0.56	12.88	0.20	0.12	0.02	0.00	1.25	.....	0.04
Winneshiek	424,116	239,158	56.39	20.76	18.36	0.10	0.19	3.39	0.05	0.18	11.94	0.00	0.17	0.00	0.00	1.20	0.00	0.05
For District	3,985,637	2,236,549	56.12	23.16	17.94	0.07	0.10	1.48	0.14	0.07	11.94	0.03	0.18	0.18	0.00	0.63	0.00	0.20
West Central—																		
Audubon	280,248	186,751	66.64	35.30	18.22	0.24	0.01	1.25	0.01	.....	10.64	.....	0.16	0.09	0.04	0.48	0.00	0.20
Calhoun	351,008	280,735	79.98	43.02	32.82	0.05	0.02	0.25	0.09	0.02	3.33	0.00	0.05	0.01	0.20	0.01	0.01	0.10
Carroll	355,254	252,165	70.98	39.13	21.64	0.25	0.10	1.46	0.02	0.02	7.76	.....	0.23	0.01	0.32	0.03	0.00	0.01
Crawford	446,004	294,081	65.94	35.69	17.92	0.83	0.40	2.33	0.03	0.00	8.05	.....	0.20	0.00	0.34	0.04	0.09	0.02
Greene	351,060	264,087	75.23	44.37	26.16	0.20	0.01	0.27	0.03	0.01	3.94	.....	0.06	0.13	0.00	.....	0.03	0.02
Guthrie	367,311	221,696	60.36	33.44	16.34	0.58	0.07	0.84	0.02	.....	8.14	.....	0.04	0.00	.....	0.88	0.00	0.01
Harrison	419,809	286,087	68.15	44.94	12.11	4.07	1.90	0.73	0.06	.....	3.90	.....	0.12	.....	0.00	.....	0.15	0.17
Ida	270,895	199,011	73.46	38.92	20.08	0.02	0.02	3.04	0.01	0.01	7.64	.....	0.13	0.01	3.47	0.01	0.09	0.01
Monona	415,401	284,775	68.55	40.38	10.42	11.49	1.34	1.03	0.06	0.13	3.29	.....	0.13	0.01	0.00	0.00	0.18	0.09
Sac	349,331	262,736	75.21	37.37	22.17	0.06	0.07	3.17	0.00	0.05	6.88	.....	0.12	0.02	5.07	0.01	0.00	0.22
Shelby	366,652	260,114	70.94	40.73	20.48	0.30	0.13	1.50	0.04	.....	7.45	.....	0.22	0.01	0.01	0.02	0.01	0.04
Woodbury	522,292	368,088	70.48	44.72	13.73	3.65	0.15	1.47	0.08	0.02	5.63	0.00	0.20	0.00	0.32	0.01	0.34	0.16
For District	4,495,265	3,160,326	70.30	40.09	18.86	2.08	0.39	1.42	0.04	0.02	6.23	0.00	0.14	0.02	0.72	0.11	0.09	0.09
Central—																		
Boone	348,530	250,539	71.88	40.45	25.72	0.26	0.13	0.54	0.02	0.00	4.49	.....	0.04	0.04	0.00	0.01	0.01	0.17
Dallas	363,820	247,187	67.94	39.57	19.58	3.03	0.04	0.37	0.04	.....	4.93	.....	0.04	0.10	0.00	0.00	.....	0.24
Grundy	309,929	218,313	70.44	35.08	24.42	0.04	0.02	0.88	0.03	.....	8.84	.....	0.31	0.32	0.03	0.24	.....	0.23
Hamilton	355,218	270,513	76.15	41.32	29.82	0.08	0.08	0.41	0.07	0.07	4.01	.....	0.07	0.01	0.00	.....	0.01	0.20
Hardin	349,076	246,755	70.69	38.77	23.25	0.01	0.02	1.06	0.04	0.02	7.08	0.01	0.11	0.05	0.01	0.04	0.00	0.22
Jasper	449,532	284,195	63.22	33.68	16.63	1.32	0.08	0.63	0.04	0.00	10.43	.....	0.03	0.10	0.00	0.21	0.01	0.06
Marshall	350,119	237,476	67.83	34.96	18.62	0.47	0.04	1.54	0.07	0.00	10.80	0.01	0.07	0.27	0.00	0.35	0.02	0.61
Polk	320,273	217,960	68.05	36.91	17.06	4.86	0.30	0.35	0.11	.....	6.72	.....	0.10	0.13	0.00	0.01	.....	1.50
Poweshiek	366,984	232,571	63.37	32.97	16.89	0.17	0.06	0.65	0.02	.....	10.08	0.00	0.11	0.01	0.02	2.27	.....	0.12
Story	346,649	265,095	76.47	43.80	26.08	0.36	0.02	0.38	0.02	.....	4.77	.....	0.02	0.04	0.15	0.01	.....	0.82
Tama	441,193	274,132	62.13	30.13	17.27	0.32	0.14	1.32	0.04	.....	10.93	.....	0.15	0.58	.....	0.99	.....	0.26
Webster	430,125	326,290	75.86	39.82	31.30	0.04	0.07	0.40	0.06	0.01	3.85	.....	0.06	0.04	0.00	0.01	0.00	0.20
For District	4,431,448	3,071,026	69.30	37.12	22.15	0.88	0.08	0.72	0.05	0.01	7.32	0.01	0.09	0.14	0.02	0.35	0.00	0.36

CROP ACREAGE IN PERCENTAGE OF LAND IN FARMS, 1930—Continued

Districts and Counties	Total Acres in Farms	All Crops*		Corn	Oats	Winter Wheat	Spring Wheat	Barley	Rye	Flax Seed	All Tame Hay	Buckwheat	Potatoes	Soy Beans (for beans)	Pop Corn	Timothy Seed	Sweet Clover Seed	Miscellaneous Crops
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
East Central—																		
Benton	440,552	301,125	68.35	33.36	21.11	0.15	0.05	1.44	0.18	0.00	10.33	0.00	0.11	0.11	.....	0.48	0.01	1.02
Cedar	350,448	217,890	62.17	30.80	14.99	0.62	0.04	1.80	0.10	.....	12.05	.....	0.05	0.12	0.04	1.32	.....	0.24
Clinton	423,343	255,423	60.33	30.38	14.72	0.69	0.11	1.08	0.17	.....	12.59	0.01	0.07	0.00	0.00	0.32	0.01	0.18
Iowa	361,205	212,477	58.82	28.54	13.69	0.81	0.08	1.21	0.07	.....	9.47	.....	0.17	0.03	.....	4.23	.....	0.52
Jackson	385,858	168,846	43.76	17.28	10.28	0.05	0.17	0.72	0.07	.....	14.65	.....	0.18	0.00	0.00	0.35	0.01	0.00
Johnson	368,868	214,353	58.11	29.15	14.50	0.67	0.05	0.59	0.10	.....	10.98	0.00	0.14	0.07	0.01	1.64	.....	0.21
Jones	352,950	186,093	52.72	24.15	13.01	0.03	0.09	1.06	0.08	.....	13.68	.....	0.15	0.02	.....	0.36	0.00	0.09
Linn	418,818	258,704	61.77	29.71	17.38	0.15	0.08	0.77	0.12	.....	12.09	0.01	0.21	0.24	0.03	0.41	.....	0.57
Muscatine	256,177	150,651	58.81	29.54	12.14	2.72	0 05	0.80	0.62	.....	9.71	.....	0.17	0.09	0.00	0.35	.....	2.62
Scott	268,284	171,874	64.06	29.17	15.00	4.04	0.10	2.69	0.26	.....	11.47	.....	0.35	0.07	0.00	0.25	0.00	0.66
For District	3,626,503	2,137,436	58.94	28.25	14.91	0.82	0.08	1.18	0.16	0.00	11.77	0.00	0.16	0.08	0.01	0.97	0.00	0.55
Southwest—																		
Adair	359,266	220,072	61.26	33.56	14.15	1.21	0.02	0.91	0.06	.....	10.42	.....	0.05	0.12	.....	0.75	0.00	0.01
Adams	265,531	147,430	55.52	30.42	12.36	0.99	0.00	0.53	0.08	0.00	10.76	0.00	0.05	0.03	.....	0.28	.....	0.02
Cass	351,862	233,479	66.36	36.71	15.40	2.43	0.04	1.60	0.05	.....	9.62	.....	0.15	0.00	0.00	0.19	0.01	0.16
Fremont	298,904	209,451	70.07	51.91	6.56	4.21	0.03	0.35	0.08	.....	6.03	0.00	0.06	0.01	.....	0.02	0.01	0.80
Mills	258,117	181,725	70.40	48.23	10.68	3.88	0.02	0.68	0.08	.....	6.47	.....	0.16	0.01	0.00	0.05	0.06	0.08
Montgomery	262,540	178,168	67.86	39.55	12.31	4.79	0.04	0.75	0.07	.....	9.92	.....	0.07	0.08	0.02	0.08	0.01	0.17
Page	332,108	209,954	63.22	38.11	9.43	4.67	0.01	0.77	0.06	.....	9.74	0.00	0.09	0.01	.....	0.16	0.00	0.17
Pottawattamie	552,904	391,298	70.77	45.79	14.39	1.79	0.16	1.36	0 03	.....	6.58	.....	0.26	0.00	0.01	0.01	0.05	0.34
Taylor	329,034	186,752	56.76	30.47	12.03	2.01	0.01	0.50	0.12	.....	10.26	0 00	0.08	0.14	0.00	1.14	.....	0.00
For District	3,010,266	1,958,329	65.06	39.66	12.22	2.75	0.05	0.89	0.07	0.00	8.74	0.00	0.12	0.04	0.00	0.30	0.02	0.20

South Central—																		
Appanoose	312,958	133,248	42.58	16.20	7.85	0.89	0.04	0.21	0.09	.....	13.35	.....	0.02	1.11	0.00	2.76	0.00	0.06
Clarke	260,973	136,092	52.15	24.92	12.03	1.00	0.03	0.46	0.07	.....	10.25	.....	0.00	0.25	.....	3.13	.....	0.01
Decatur	332,120	154,382	46.48	20.51	9.79	1.24	0.00	0.15	0.18	.....	11.71	0.00	0.02	0.49	0.00	2.33	0.01	0.05
Lucas	263,638	128,164	48.61	21.97	11.52	0.83	0.03	0.57	0.14	.....	11.29	.....	0.02	0.38	.....	1.84	0.01	0.01
Madison	350,826	184,004	52.45	28.25	11.05	4.04	0.02	1.25	0.05	.....	7.33	.....	0.04	0.10	.....	0.25	0.01	0.06
Marion	339,258	194,983	57.47	29.40	14.18	2.28	0.15	0.52	0.06	.....	10.58	0.00	0.04	0.14	.....	0.08	0.02	0.02
Monroe	258,569	108,527	41.97	18.43	8.43	1.51	0.03	0.27	0.15	.....	12.00	.....	0.01	0.25	.....	0.87	0.00	0.02
Ringgold	327,424	170,997	52.22	24.73	11.57	1.14	.....	0.24	0.08	.....	11.69	0.00	0.01	0.06	0.00	2.69	0.00	0.01
Union	262,534	138,325	52.69	26.90	11.75	0.77	0.02	0.69	0.07	.....	10.69	.....	0.05	0.12	0.00	1.60	.....	0.03
Warren	346,023	187,677	54.24	27.43	11.47	4.79	0.02	0.77	0.12	.....	9.25	.....	0.06	0.09	.....	0.20	.....	0.04
Wayne	321,513	178,214	55.43	23.73	12.61	0.70	0.00	0.23	0.05	.....	14.58	.....	0.01	0.73	0.00	2.76	0.01	0.02
For District	3,375,836	1,714,613	50.79	24.03	11.15	1.84	0.03	0.49	0.10	.....	11.11	0.00	0.03	0.34	0.00	1.64	0.00	0.03
Southeast—																		
Davis	309,625	134,395	43.41	15.72	7.77	0.98	0.02	0.24	0.08	.....	14.46	.....	0.02	1.43	0.01	2.63	.....	0.05
Des Moines	246,029	134,893	54.83	26.49	11.84	3.98	0.03	0.19	0.14	.....	9.81	0.00	0.17	1.63	0.00	0.28	0.00	0.27
Henry	263,299	137,589	52.26	25.78	11.52	1.48	0.01	0.08	0.07	.....	11.24	0.04	0.04	1.51	0.00	0.31	.....	0.18
Jefferson	263,726	137,815	52.26	23.75	11.85	1.44	0.03	0.19	0.08	.....	13.14	0.00	0.04	1.18	.....	0.55	.....	0.01
Keokuk	357,454	202,779	56.73	28.81	14.38	0.88	0.10	0.49	0.12	.....	10.78	.....	0.07	0.25	0.00	0.80	0.00	0.05
Lee	307,274	134,959	43.92	18.51	7.97	3.23	0.04	0.38	0.34	.....	11.18	0.01	0.14	0.50	.....	0.64	.....	0.98
Louisa	228,778	135,630	59.28	30.60	12.13	5.26	0.01	0.23	0.68	.....	8.26	0.01	0.11	0.41	.....	0.31	.....	1.27
Mahaska	352,327	212,896	60.43	31.58	15.52	1.60	0.08	0.50	0.05	.....	10.54	0.00	0.08	0.18	.....	0.16	0.00	0.14
Van Buren	293,340	120,175	40.97	15.92	8.27	2.02	0.02	0.09	0.20	.....	12.40	0.00	0.02	0.64	.....	1.28	0.00	0.11
Wapello	258,862	134,583	51.99	23.09	9.74	4.38	0.00	0.38	0.23	.....	10.96	.....	0.12	2.37	0.01	0.49	.....	0.22
Washington	347,038	196,260	56.55	29.00	14.38	0.57	0.04	0.40	0.04	.....	10.61	0.04	0.05	0.75	.....	0.55	0.00	0.12
For District	3,227,752	1,681,974	52.11	24.56	11.54	2.18	0.04	0.30	0.17	.....	11.27	0.01	0.08	0.93	0.00	0.75	0.00	0.28
For State	34,113,021	21,762,585	63.80	32.73	18.33	1.14	0.11	1.34	0.13	0.06	8.73	0.01	0.13	0.19	0.12	0.52	0.02	0.24

*Does not include wild hay.
Note: "0.00" indicates less than 0.01 per cent; blanks (.....) indicate none.

ACREAGE NOT IN CROPS, IN PERCENTAGE OF LAND IN FARMS, 1930

(Based on assessors' reports.)

Districts and Counties	Total Acreage in Farms	Land Not in Crops		Pasture	Wild Hay	Timber, Wood Lots	Waste Land	Crop Land Idle	Bldgs., Feed Lots, Public Highways
		Acres	Per Cent Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Northwest—									
Buena Vista	358,220	86,008	24.01	17.54	0.50	0.07	0.18	0.06	5.66
Cherokee	359,401	107,545	29.92	22.53	1.23	0.13	0.33	0.03	5.67
Clay	349,569	96,962	27.74	20.20	1.30	0.27	0.27	0.07	5.63
Dickinson	234,832	67,415	28.71	21.36	1.66	0.13	0.54	0.02	5.00
Emmet	245,446	64,288	26.19	18.98	0.82	0.46	1.09	0.02	4.82
Lyon	364,713	86,072	23.60	16.53	1.62	0.19	0.12	0.04	5.10
O'Brien	353,322	87,917	24.88	17.94	1.06	0.02	0.08	0.01	5.77
Osceola	250,093	58,496	23.39	16.20	1.45	0.03	0.26	0.11	5.34
Palo Alto	344,014	88,171	25.63	17.94	2.26	0.05	0.32	0.02	5.04
Plymouth	541,045	155,769	28.79	20.79	2.24	0.05	0.14	0.23	5.34
Pocahontas	357,818	72,805	20.35	13.21	0.69	0.08	0.65	0.01	5.71
Sioux	472,353	112,269	23.77	16.03	2.26	0.06	0.15	0.05	5.22
For District	4,230,826	1,083,717	25.61	18.26	1.49	0.12	0.30	0.06	5.38
North Central—									
Butler	353,250	121,795	24.48	26.22	1.90	0.30	0.50	0.10	5.46
Cerro Gordo	348,825	114,551	32.84	25.84	1.00	0.13	0.54	0.14	5.19
Floyd	302,374	89,439	29.58	23.39	0.47	0.19	0.25	0.07	5.21
Franklin	361,743	101,146	27.96	21.04	0.63	0.19	0.27	0.02	5.81
Hancock	353,528	98,195	27.78	19.85	1.43	0.12	0.56	0.45	5.37
Humboldt	266,093	59,736	22.45	15.32	0.71	0.18	0.30	0.03	5.91
Kossuth	602,659	152,442	25.30	17.38	1.76	0.03	0.72	0.07	5.34
Mitchell	284,828	88,889	31.21	24.30	0.28	0.54	0.32	0.56	5.21
Winnebago	247,664	78,665	31.76	20.27	3.74	0.22	1.19	0.24	6.10
Worth	248,378	83,720	33.71	23.24	3.20	0.31	0.47	0.61	5.88
Wright	360,146	85,687	23.79	17.18	0.50	0.29	0.44	0.10	5.28
For District	3,729,488	1,074,265	28.80	21.03	1.37	0.21	0.51	0.19	5.49
Northeast—									
Allamakee	382,798	232,600	60.76	40.42	0.17	9.95	6.95	0.26	3.01
Blackhawk	340,504	118,622	34.84	27.20	1.12	0.17	0.85	0.36	5.14
Bremer	264,674	106,281	40.16	29.38	4.59	0.65	0.43	0.04	5.07
Buchanan	350,732	134,663	38.39	30.50	1.75	0.23	0.56	0.60	4.75
Chickasaw	302,189	121,436	40.19	30.72	2.98	0.74	0.33	0.22	5.20
Clayton	465,730	233,431	50.12	38.37	0.09	5.91	1.72	0.09	3.94
Delaware	353,416	139,905	39.59	32.24	0.98	0.52	1.25	0.20	4.40
Dubuque	363,653	169,153	46.52	38.93	0.06	2.40	1.99	0.07	3.07
Fayette	444,103	191,792	43.19	34.92	1.51	0.80	0.93	0.24	4.79
Howard	293,722	116,247	39.58	30.60	2.27	0.62	0.34	1.06	4.69
Winneshiek	424,116	184,958	43.61	33.61	0.96	2.29	1.94	0.11	4.70
For District	3,985,637	1,749,088	43.88	33.78	1.34	2.42	1.67	0.28	4.39
West Central—									
Audubon	280,248	93,497	33.36	27.48	0.22	0.34	0.15	0.11	5.06
Calhoun	351,008	70,273	20.02	14.28	0.17	0.03	0.31	0.01	5.22
Carroll	355,254	103,089	29.02	21.76	0.66	0.15	0.72	0.05	5.68
Crawford	446,004	151,923	34.06	27.31	0.66	0.10	0.44	0.09	5.46
Greene	351,060	86,973	24.77	19.20	0.45	0.02	0.46	0.01	4.63
Guthrie	367,311	145,615	39.64	32.86	0.31	1.10	0.84	0.07	4.46
Harrison	419,809	133,722	31.85	23.21	0.58	0.75	2.56	0.08	4.67
Ida	270,895	71,884	26.54	20.35	0.29	0.06	0.20	0.21	5.43
Monona	415,401	130,626	31.45	23.84	0.70	0.59	1.81	0.50	4.01
Sac	349,331	86,595	24.79	18.56	0.31	0.01	0.22	0.01	5.68
Shelby	366,652	106,538	29.06	23.27	0.39	0.19	0.32	0.05	4.84
Woodbury	522,292	154,204	29.52	19.65	0.87	1.03	0.99	2.28	4.70
For District	4,495,265	1,334,939	29.70	22.66	0.50	0.40	0.82	0.36	4.96

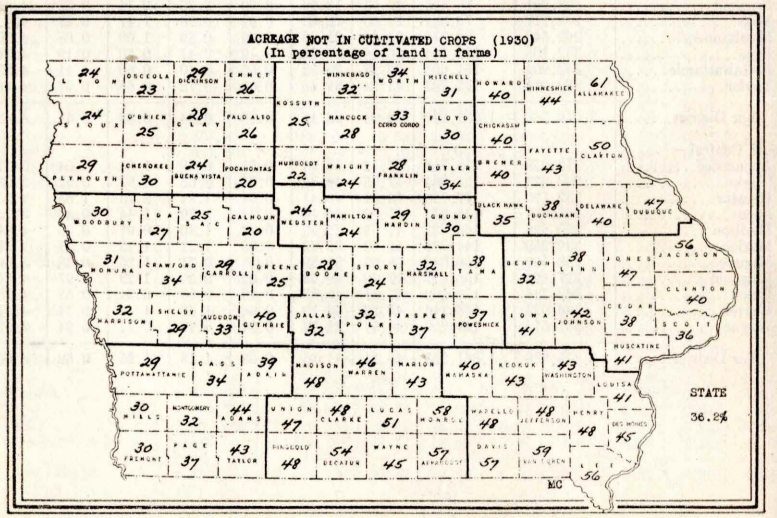
ACREAGE NOT IN CROPS, IN PERCENTAGE OF LAND IN FARMS, 1930—Continued

Districts and Counties	Total Acreage in Farms	Land Not in Crops		Pasture	Wild Hay	Timber, Wood Lots	Waste Land	Crop Land Idle	Bldgs., Feed Lots, Public Highways
		Acres	Per Cent Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Central—									
Boone	348,530	97,991	28.12	21.67	0.79	0.26	0.41	0.06	4.93
Dallas	363,820	116,633	32.06	25.39	0.17	0.69	0.95	0.05	4.81
Grundy	309,929	91,616	29.56	23.11	0.70	0.02	0.04	0.00	5.69
Hamilton	355,218	84,705	23.85	17.83	0.41	0.17	0.31	0.03	5.10
Hardin	349,076	102,321	29.31	22.27	0.56	0.30	0.40	0.04	5.74
Jasper	449,532	165,337	36.78	31.15	0.03	0.26	0.49	0.03	4.82
Marshall	350,119	112,643	32.17	26.26	0.03	0.22	0.27	0.05	5.34
Polk	320,273	102,313	31.95	25.32	0.27	0.35	0.83	0.11	5.07
Poweshiek	366,984	134,413	36.63	31.84	0.00	0.60	0.19	0.14	3.86
Story	346,649	81,554	23.53	17.78	0.25	0.07	0.16	0.21	5.06
Tama	441,193	167,061	37.87	29.74	0.10	1.93	0.88	0.13	5.09
Webster	430,125	103,835	24.14	18.09	0.67	0.48	0.68	0.03	4.19
For District	4,431,448	1,360,422	30.70	24.40	0.32	0.48	0.48	0.07	4.95
East Central—									
Benton	440,552	139,427	31.65	25.82	0.16	0.45	0.21	0.10	4.91
Cedar	350,448	132,558	37.83	31.92	0.01	0.90	0.43	0.13	4.44
Clinton	423,343	167,920	39.67	33.08	0.33	0.86	0.78	0.16	4.46
Iowa	361,205	148,728	41.18	32.45	0.06	2.35	1.75	0.09	4.48
Jackson	385,858	217,012	56.24	50.04	0.26	1.40	1.61	0.10	2.83
Johnson	368,868	154,515	41.89	34.43	0.08	2.05	1.50	0.23	3.60
Jones	352,950	166,857	47.28	41.16	0.04	1.46	0.75	0.16	3.71
Linn	418,818	160,114	38.23	31.90	0.32	1.01	0.78	0.31	3.91
Muscatine	256,177	105,526	41.19	33.69	0.16	0.53	1.23	1.55	4.03
Scott	268,284	96,410	35.94	29.52	0.42	0.66	0.56	0.42	4.36
For District	3,626,503	1,489,067	41.06	34.39	0.18	1.18	0.95	0.28	4.08
Southwest—									
Adair	359,266	139,194	38.74	32.51	0.33	0.44	0.35	0.12	4.99
Adams	265,531	118,101	44.48	38.75	0.24	0.17	0.65	0.06	4.61
Cass	351,862	118,383	33.64	28.38	0.08	0.26	0.38	0.19	4.35
Fremont	298,904	89,453	29.93	18.40	0.20	2.26	2.34	2.37	4.36
Mills	258,117	76,392	29.60	22.03	0.61	0.90	1.47	0.17	4.42
Montgomery	262,540	84,372	32.14	25.60	0.09	0.39	1.08	0.08	4.90
Page	332,108	122,154	36.78	30.91	0.10	0.47	0.60	0.19	4.51
Pottawattamie	552,904	161,606	29.23	22.52	0.52	0.40	0.80	0.11	4.88
Taylor	329,034	142,282	43.24	36.66	0.08	0.72	0.65	0.67	4.46
For District	3,010,266	1,051,937	34.94	28.12	0.26	0.64	0.88	0.41	4.63
South Central—									
Appanoose	312,958	179,710	57.42	50.48	0.21	0.88	1.04	1.04	3.77
Clarke	260,973	124,881	47.85	40.32	0.01	2.05	0.97	0.57	3.93
Decatur	332,120	177,738	53.52	43.41	0.04	1.84	2.73	1.65	3.85
Lucas	263,638	135,474	51.39	44.14	0.04	1.70	1.44	0.32	3.75
Madison	350,826	166,822	47.55	39.99	0.22	1.30	0.91	0.29	4.84
Marion	339,258	144,275	42.53	35.92	0.05	1.22	1.42	0.37	3.55
Monroe	258,569	150,042	58.03	51.88	0.01	0.71	1.26	0.48	3.69
Ringgold	327,424	156,427	47.78	40.43	0.02	0.99	1.23	0.97	4.14
Union	262,534	124,209	47.31	40.82	0.18	0.69	0.34	0.52	4.76
Warren	346,023	158,346	45.76	38.12	0.06	1.46	1.44	0.34	4.34
Wayne	321,513	143,299	44.57	38.74	0.04	0.17	0.71	0.94	3.97
For District	3,375,836	1,661,223	49.21	41.95	0.08	1.18	1.25	0.69	4.06

ACREAGE NOT IN CROPS, IN PERCENTAGE OF LAND IN FARMS, 1930—Continued

Districts and Counties	Total Acreage in Farms	Land Not in Crops		Pasture	Wild Hay	Timber, Wood Lots	Waste Land	Crop Land Idle	Bldgs., Feed Lots, Public Highways
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Southeast—									
Davis	309,625	175,230	56.59	50.74	0.00	1.26	1.07	0.48	3.04
Des Moines	246,029	111,136	45.17	37.50	.....	1.24	1.98	0.88	3.57
Henry	263,299	125,710	47.74	41.12	.....	0.17	0.57	1.66	4.22
Jefferson	263,726	125,911	47.74	41.93	.....	0.16	0.59	1.24	3.82
Keokuk	357,454	154,675	43.27	36.02	0.01	1.22	1.09	0.51	4.42
Lee	307,274	172,315	56.08	48.24	0.03	0.55	1.34	2.66	3.26
Louisa	228,778	93,148	40.72	32.32	0.04	1.40	1.72	1.54	3.70
Mahaska	352,327	139,431	39.57	32.83	0.04	0.56	1.63	0.20	4.31
Van Buren	293,340	173,165	59.03	53.19	.....	0.76	1.09	0.81	3.18
Wapello	258,862	124,279	48.01	40.65	0.00	1.29	1.62	0.98	3.47
Washington	347,038	150,778	43.45	35.42	.....	1.66	0.87	1.37	4.13
For District	3,227,752	1,545,778	47.89	40.86	0.01	0.94	1.22	1.09	3.77
For State	34,113,021	12,350,436	36.20	28.82	0.65	0.82	0.88	0.36	4.67

Note—"0.00" indicates less than 0.01 per cent; blanks (.....) indicate none.



U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU AND
BUREAU OF AGRICULTURAL ECONOMICS

In Co-operation with the

Iowa Weather and Crop Bureau

Annual Report for 1932

Reprint Part XVII of the Thirty-third Annual Iowa Year Book of Agriculture

CHARLES D. REED, M. Sc. Agr.

Published by
THE STATE OF IOWA
Des Moines

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU AND
BUREAU OF AGRICULTURAL ECONOMICS

In Co-operation with the

IOWA
WEATHER AND CROP BUREAU

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ANNUAL REPORT, 1932

Cooperation continued with the Weather Bureau and the Bureau of Agricultural Economics both of the United States Department of Agriculture. Parts XVII and XVIII of the Year Book were prepared by the Weather and Crop Bureau as usual. Part XVII presents a brief summary of the year's weather and extensive tables and maps of the agricultural statistics of 1932, gathered by assessors under the direction of the Weather and Crop Bureau, which will also be published as a separate pamphlet. Part XVIII of the Year Book, summarizing the statistics of the main crops of Iowa for all years of record, is revised and brought up-to-date. The usual weekly and monthly weather and crop bulletins were prepared and published. All publications have been greatly curtailed in response to the popular demand for economy.

Testing Corn for Moisture

Testing of field and farm samples of corn for moisture was done as usual, in October and November, 1932. The popularity of this work is shown by the ever widening circle of cooperators willing to devote much time to collecting and forwarding good representative samples. No other State has undertaken such work on such a large scale. The results appear elsewhere in this publication. See index.

Hailstorms and Tornadoes

Hail and tornado statistics continued to be outstanding features of the work. The fine cooperation by the farmer crop reporters, nearly one for each township in the State, made it almost impossible for a storm or flood of importance to escape notice. Later the township assessors inquire at each of about 213,000 farms, as to the loss sustained by hail. Ten years of hail data are now tabulated by townships.

Facilities for collecting tornado reports have been so much better in Iowa than in other states that the number of tornadoes reported is outstandingly large, even though discretion is used in determining when a storm is really a tornado. For lack of franked envelopes, all of the hail, windstorm and tornado inquiries were discontinued at the close of 1932, except the hail survey made by assessors. The tornado map and table in this issue for the year 1932 will be the last that it will be possible to publish, for the data hereafter will be too incomplete.

Climatology of the Year

The average temperature of the State of Iowa for the year 1932 was 48.2°, which is 0.4° above normal but 5.0° lower than 1931. March and September to December, inclusive, were colder than normal while the rest of the year was warmer than normal. Outstanding cold periods were March 5th-14th and December 7th-17th. Abnormally warm periods were February 25th-29th, July 10th-20th and December 20th-30th. The average length of the growing season between the date of last killing frost in spring, April 28, and the average date of first killing frost in fall, October 6, was 161 days, 6 days longer than normal. Ninety-six per cent of the corn escaped frost damage. Though serious drouth damage was threatened in July, it was averted by copious, well distributed rains and moderate temperatures in August so that the yield of corn averaged about 43 bushels per acre, on an acreage the highest of record which made the total crop about 500,000,000 bushels or about 6½ million more bushels than ever produced before in Iowa.

Precipitation did not vary greatly from the normal except that the winter of 1931-32 was the third wettest of record and August was the wettest of record. The number of days with appreciable rainfall averaged 88, or 3 more than the normal. Clear, partly cloudy and cloudy days were almost exactly normal and sunshine was 2 per cent above normal.

AVERAGE TEMPERATURE DEPARTURE
State of Iowa, Year 1932

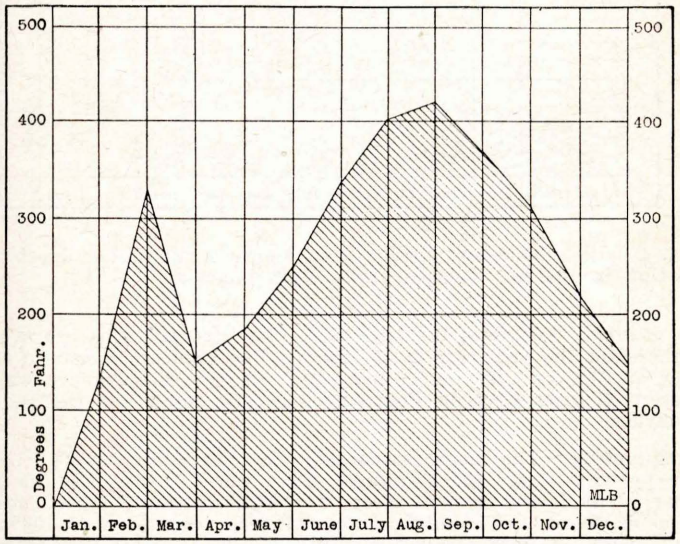


Fig. 1. Line bounding shaded area shows accumulated departure from normal. Upward slope means temperature above normal; downward, below.

AVERAGE PRECIPITATION
State of Iowa, Year 1932

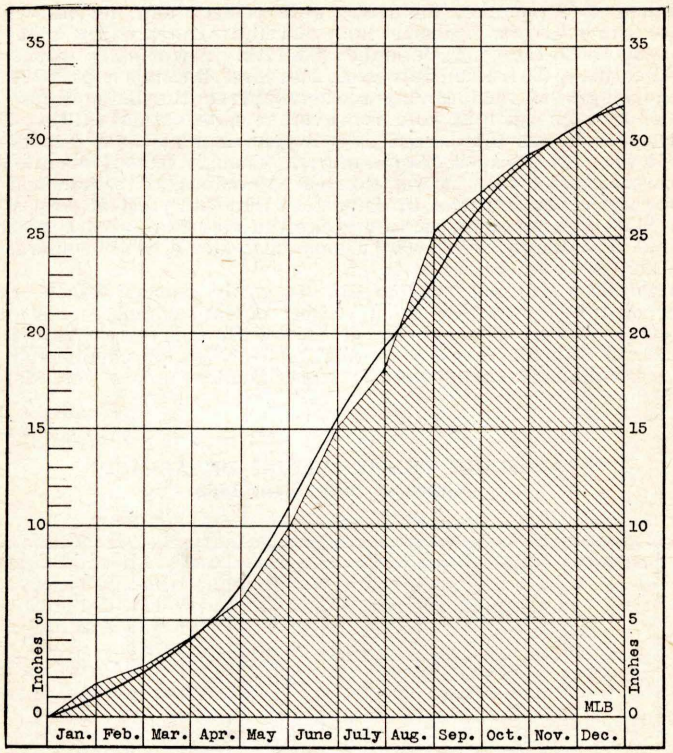


Fig. 2. Line bounding shaded area shows accumulated depth of precipitation in inches. Smooth curve shows normal.

Barometer: (Reduced to sea level). The average pressure of the atmosphere for the year was 30.02 inches. The highest pressure was 30.87 inches at Charles City on January 31. The lowest pressure was 28.99 inches at Charles City on February 11. The range for the State was 1.88 inches.

Temperature: The mean temperature for the State was 48.2°, or 0.4° above normal. The highest annual mean was 52.8° at Keokuk in Lee County. The lowest annual mean was 44.2° at Lake Park (near), in Dickinson County. The highest temperature reported was 106° at Inwood (near), in Lyon County, on July 27. The lowest temperature reported was —27° at Decorah in Winneshiek County and Washta, in Cherokee County on December 16. The range for the State was 133°.

Precipitation: The average amount of rainfall and melted snow for the year was 32.28 inches, or 0.40 inch above normal, and 3.09 inches less than the average for 1931. The greatest amount at any station was 48.17 inches at Oskaloosa in Mahaska County, and the least amount was 22.67 inches at Denison, in Crawford County. The greatest monthly precipitation was 15.92 inches at Lamoni, in Decatur County, in August.

The least amount was 0.03 inch at Tipton (near), in Cedar County, in February. The greatest amount in any 24 consecutive hours was 7.17 inches at Oakland, in Pottawattamie County, on August 12. Measurable precipitation occurred on an average of 88 days, 4 days less than in 1931, and 2 days more than normal.

Snowfall: The average amount of snowfall was 38.5 inches. The greatest amount reported from any station was 74.1 inches at Forest City, in Winnebago County, and the least amount was 15.1 inches at Bonaparte (near), in Van Buren County. The greatest monthly snowfall was 34.0 inches at Algona, in Kossuth County, in January.

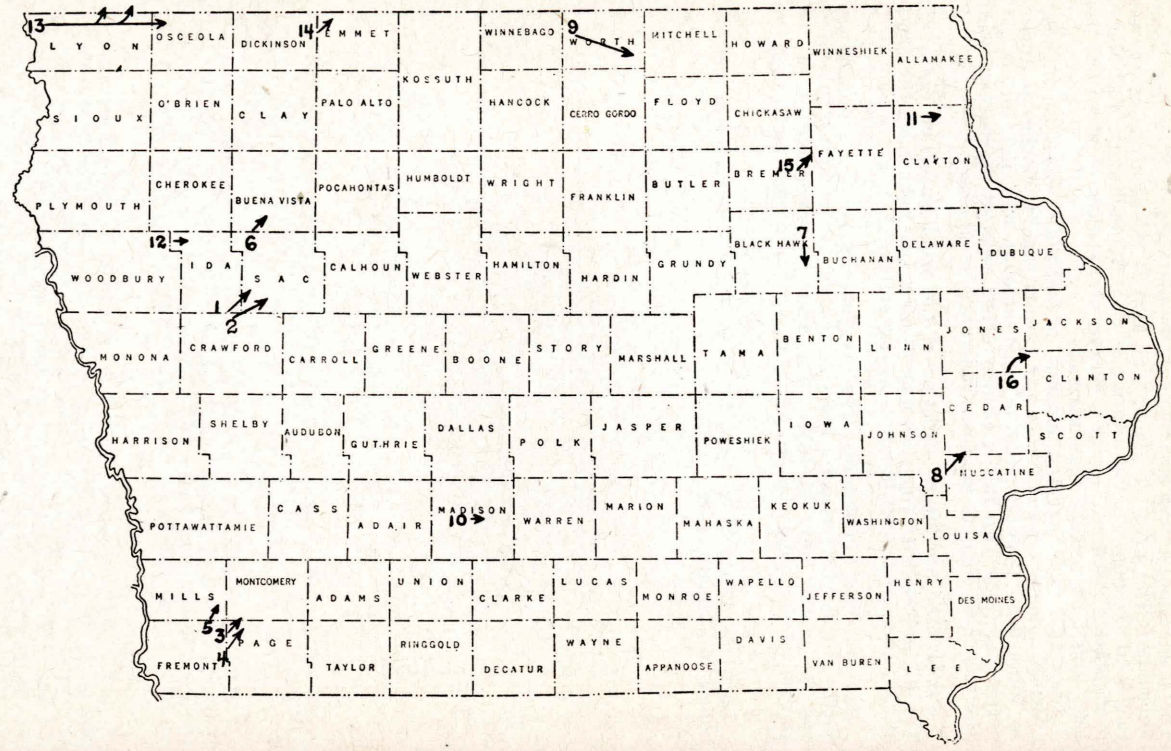
Wind: The prevailing direction of the wind was from the northwest. The highest velocity reported was 43 miles per hour from the southwest, at Davenport, in Scott County, on December 24.

Sunshine and Cloudiness: The average number of clear days was 165; partly cloudy, 101; cloudy, 100; as against 179 clear; 83 partly cloudy, and 103 cloudy days in 1931. The average percentage of the possible amount of sunshine was 61 per cent, or 2 per cent more than normal.

Monthly Summaries

Detailed reports by months for more than 100 Iowa stations are published in Climatological Data.

TORNADO PATHS IN IOWA DURING THE YEAR, 1932



TORNADOES IN IOWA DURING THE YEAR, 1932

	Nearest Towns	Date	Time	Direction	Length of Path	Persons Injured	Persons Killed	Estimated Damage
1.	Schleswig, Arthur	May 25	10:00 p.m.	sw to ne	9 miles	0	0	$15,000
2.	Schleswig, Wall Lake	May 25	10:00 p.m. to 10:30 p.m.	sw to ne	15 miles	0	0	25,000
3.	Shenandoah	May 25	5:00 p.m.	sw to ne	4 miles	0	0	1,000
4.	Shenandoah	June 2	5:30 p.m.	sw to ne	2 miles	0	0	3,000
5.	White Cloud	June 8	3:10 a.m.	sw to ne	----------	0	0	3,000
6.	Storm Lake	June 13	3:00 p.m.	sw to ne	1 mile	0	0	500
7.	Jessup, Jubilee	June 17	7:00 p.m.	n to s	9 miles	0	0	5,000
8.	West Liberty	June 17	9:00 p.m.	sw to ne	6 miles	0	0	6,000
9.	Kensett, Grafton	June 17	Early afternoon	wnw to ese	18 miles	0	0	5,000
10.	Winterset	June 17	7:30 p.m.	----------	Several hundred yards	0	0	75
11.	Farmersburg	June 29	7:00 p.m.	w to e	----------	0	0	500
12.	Holstein	July 6	4:00 p.m.	w to e	Several hundred yards	0	0	5,000
13.	Larchwood, Lester, Rock Rapids, Little Rock, Sibley	July 9	7:00 p.m.	w to e	36 miles	0	0	55,000
14.	Estherville	July 9	8:00 p.m.	sw to ne	2 miles	0	0	10,000
15.	Buck Creek	Sept. 12	Afternoon	sw to ne	1 mile	0	0	3,000
16.	Wyoming	Sept. 12	5:15 p.m.	sw to ne	5 miles	0	0	76,000
	Total	----------	----------	----------	108 miles	0	0	$213,075

MONTHLY STATE DATA FOR 1932

Month	Barometric Pressure Inches (Sea Level) Mean	Highest	Date	Lowest	Date	Temperature Degrees, F. Mean	Departure from normal	Highest	Lowest	Relative Humidity Per Cent 7 a. m.*	12 noon†	7 p. m.*	Departure from normal¶	Lowest	Precipitation, Inches Average	Departure from normal	Greatest	Least	Snowfall	No. of Days With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy	Sunshine Pct. of possible amount	Departure from normal	Wind Average hourly velocity	Prevailing direction
January	30.09	30.87	31	29.25	11	22.5	+ 4.2	61	—22	86	75	80	+ 3	37	1.81	+0.78	3.40	0.42	13.6	8	9	6	16	37	—15	9.1	nw.
February	30.04	30.76	1	28.99	11	28.9	+ + 6.9	74	—16	82	65	72	+ 1	28	0.83	—0.358	2.27	0.03	5.1	5	12	8	9	57	+ 2	9.1	nw.
March	30.03	30.63	12	29.31	29	28.4	— 5.8	77	— 8	78	59	65	0	22	1.46	—0.30	2.93	0.44	10.2	7	11	11	9	56	— 1	10.8	nw.
April	29.98	30.49	27	29.42	24	50.0	+ 1.2	84	21	76	52	54	— 2	19	1.96	—0.93	5.65	0.44	T.	7	11	9	10	58	0	10.0	se.
May	29.99	30.41	28	29.50	6	62.3	+ + 2.1	95	28	72	46	49	— 6	16	3.99	—0.18	8.43	1.66	0	10	15	9	7	70	+ 8	9.0	s.
June	29.88	30.14	114	29.51	30	72.0	+ + + 3.0	99	48	80	55	60	+ 1	24	5.17	+0.59	12.29	2.12	0	11	12	12	6	68	+ + 1	6.9	se.
July	29.92	30.25	3	29.39	29	75.8	+ + 2.0	106	40	74	49	52	+ 5	21	3.12	—0.62	6.30	0.56	0	7	20	8	3	78	+ + 4	7.8	sw.
August	29.95	30.26	21	29.48	29	72.2	— 0.6	100	43	82	60	62	+ 2	20	7.10	+3.53	15.92	2.47	0	12	15	9	7	66	— 4	7.6	s.
September	30.09	30.53	23	29.54	18	62.2	— 1.7	94	27	80	44	54	— 7	22	2.05	—1.82	5.34	0.62	T.	5	21	6	3	80	+17	7.0	s.
October	29.99	30.39	20	29.46	2	49.6	— 1.9	90	19	79	55	61	— 2	20	1.80	—0.60	4.80	0.32	0.3	7	12	8	11	48	—11	9.2	nw.
November	30.16	30.82	26	29.38	9	33.2	— 3.1	68	— 5	79	58	62	— 4	25	1.55	—0.02	3.27	0.19	3.8	4	13	8	9	55	+ 5	9.7	s.
December	30.13	30.80	16	29.17	24	21.9	— 2.2	64	—27	81	66	73	— 3	29	1.44	+0.32	4.15	0.17	5.5	5	14	7	10	55	+ 9	8.9	nw.
Means and Extremes	30.02	----	Jan. 31	----	Feb. 11	48.2	+ 0.4	----	----	79	57	62	— 2	----	32.28	+0.40	----	----	38.5	88	165	101	100	61	+ 2	8.8	nw.
	----	30.87	----	28.99	----	----	----	106	—27	----	----	----	----	16	----	----	15.92	0.03	----	----	----	----	----	----	----	----	----
Normals and Records	30.03	----	Jan. 25 1905	28.75	Feb. 28 1902	47.8	----	113	—47	80	----	65	----	5	31.88	----	19.80	0.00	29.2	86	168	99	99	59	----	----	----
	30.09	31.09	----	28.75	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

†Local mean time.
*Normal central time.
¶7 a. m. and 7 p. m., observations only.
‡And other dates.
§Since the large majority of the stations had no precipitation normals for February 29, the departures for the state for February and for the year do not take leap year into account.

IOWA CORN MOISTURE STUDY, (October, 1932)

Districts	Average date gathered (Oct.)	Total number of samples tested	Total number of fields from which samples were gathered	Total number of ears used in samples	Average moisture content (Per cent)	Weights used* (Per cent)
Northwest	11	30	254	2,202	22.1	14
North Central	11	26	192	1,672	25.1	10
Northeast	11	29	190	1,296	27.2	7
West Central	11	32	257	2,659	23.4	17
Central	12	33	199	1,833	24.0	15
East Central	11	24	167	1,468	24.7	9
Southwest	11	24	204	1,622	22.7	12
South Central	11	25	183	1,379	24.3	8
Southeast	11	22	158	1,481	23.8	8
State	11.1	245	1,813	15,712	*23.88	100

*State average moisture content weighted according to the percentage of corn husked in each district in 1931, on acreage basis, as reported by assessors.

The 245 samples used in the above summary were obtained from 97 counties, Muscatine and Washington counties not being represented on account of samples being sent in too late. The driest sample this year was from Greenfield township, Warren county and the wettest was from Richland township in Jackson county. The average number of fields per sample is 7.4; the average number of ears per sample, 64.1, or 8.67 ears per field. Weight per measured bushel 52.0 lbs.

COMPARATIVE TABLE, (October tests)

District	1928	1929	1930	1931	1932	5-Year Avg.
Northwest	18.7	25.0	23.3	18.6	22.1	21.5
North Central	25.0	27.9	23.7	20.6	25.1	24.5
Northeast	27.4	29.0	24.1	23.6	27.2	26.3
West Central	20.5	26.8	22.9	19.9	23.4	22.7
Central	21.1	26.6	22.2	21.4	24.0	23.1
East Central	24.5	27.6	23.0	22.9	24.7	24.5
Southwest	20.4	31.5	25.2	20.8	22.7	24.1
South Central	21.7	31.4	23.8	21.9	24.3	24.6
Southeast	22.8	32.1	23.0	21.9	23.8	24.7
State (weighted average)	21.8	28.1	23.4	20.9	23.9	23.6

IOWA CORN MOISTURE STUDY, (November, 1932)

Districts	Average date gathered (Nov.)	Total number of samples tested	Total number of fields or cribs from which samples were gathered	Total number of ears used in samples	Average moisture content (Per cent)	Weight per measured bushel (lbs.)
Northwest	20	38	206	2,017	18.7	55.8
North Central	20	26	157	1,266	20.7	53.0
Northeast	20	33	168	1,151	22.4	52.0
West Central	20	28	170	1,226	18.6	55.6
Central	20	33	213	1,380	20.4	53.8
East Central	20	32	179	1,371	20.4	54.0
Southwest	20	31	233	1,807	18.7	56.0
South Central	20	28	204	1,685	18.9	55.8
Southeast	20	26	159	1,078	19.5	55.3
State	19.9	275	1,689	12,981	*19.62	54.74

*Moisture content weighted according to the percentage of corn husked in each district in 1931, on acreage basis, as reported by assessors.

The 275 samples used in the above summary were obtained from 98 counties, Ringgold county not being represented on account of samples being sent in too late. The driest samples were from Fremont, Mills and Warren counties. The average number of fields per sample is 6.1, the average number of ears per sample, 47.2, or 7.7 ears per field or crib.

The Government estimate as of November 1, 1932, showed an average yield of 46.0 bushels per acre, which, according to this study had a moisture content of 19.6% on November 20. To place this on a No. 2 contract grade basis it would be necessary to reduce the moisture content to 15.5% which would leave a yield of approximately 43.76 bushels per acre of No. 2 corn.

COMPARATIVE TABLE, (November tests)

District	1928	1929	1930	1931	1932	5-Year Avg.
Northwest	18.8	20.4	18.0	17.4	18.7	18.7
North Central	22.1	21.0	19.0	18.6	20.7	20.3
Northeast	22.8	21.9	19.0	19.8	22.4	21.2
West Central	19.0	20.5	17.6	17.4	18.6	18.6
Central	19.6	20.5	17.7	18.8	20.4	19.4
East Central	21.0	21.8	18.9	19.0	20.4	20.2
Southwest	18.6	22.0	17.7	18.6	18.7	19.1
South Central	19.2	22.4	17.4	18.5	18.9	19.3
Southeast	20.1	22.1	17.9	18.7	19.5	19.7
State (weighted averages)	19.8	21.2	18.1	18.4	19.6	19.4

FARM STATISTICS FOR THE YEAR ENDING DECEMBER 31, 1932

Collected by Assessors and Tabulated by
the Iowa Weather and Crop Bureau, Des Moines, Iowa.

Low prices for agricultural products, lower in some cases than for more than forty years, so low in fact that the products were not worth the cost of transportation to terminal markets, made the year 1932 one of the most unprofitable in the agricultural history of Iowa. Farm products produced for consumption elsewhere than on the farms where raised together with a fair inventory value of live stock on farms, showed a total crop income of $255,170,000 in 1932, compared with $267,297,000 in 1931. The estimated decrease in live stock inventory was $49,859,000.

Through all this adversity the assessors, who are mostly farmers, made the usual annual agricultural census with characteristic efficiency and in spite of some very severe weather in February.

Assessors' Annual Farm Census Increasingly Valuable

In the present economic plight of agriculture with the necessity of intervention by the federal government to restore farming to a satisfactory condition, the need for accurate, dependable, detailed agricultural statistics became acute.

Fortunately in Iowa there had been commendable foresight on the part of the legislature and leadership of the State to put into operation the collection of agricultural statistics annually by township assessors starting with the crops of 1909. Like many other such large undertakings, it required a good many years to find the best way to do this. There was a general improvement in these statistics from the beginning yet the first ten years fell considerably short of satisfactory results when compared with the government census as a standard and it was not until 1921 that this work could be said to equal the government census in thoroughness. Since that time wherever there has been a comparison with the government census, the assessors' enumerations have been as good or better in such particulars as could be covered by assessors. It is obvious that assessors cannot be utilized in such work where the questions asked are associated with taxation questions. For the most part such questions as invite a taxation bias have been eliminated from the assessors' statistics.

Acreage and yield reports by assessors have reached a high standard of perfection and the results have been tabulated in convenient form, down to a township basis, for quick reference at the office of the Weather and Crop Bureau in Des Moines. In the spring of 1933, when the State committee began preparations for cooperating with the federal government in farm relief, there was instant need for these township figures. In a very few days it was possible to furnish the committee with the acreage of corn in each township each year during the past 5 years and the average acreage of the 5 years. With these figures in hand it becomes easy for the local county committees to function intelligently. Very few states were in a position to act so promptly. In many states it would be necessary to conduct expensive surveys whereas in Iowa the Weather and Crop Bureau, through assessors' reports, had the information almost instantly available with almost no extra expense.

In addition to the needs of immediate farm relief, the more permanent projects of land utilization, forestation, most satisfactory types of farming, etc., are making use of these assessors' statistics. Moreover, the Bureau of Agricultural Economics of the U. S. Department of Agriculture is enabled to use the assessors' figures as a new base for estimating acreage of the current year's crop, thereby making the month by month crop estimates through each crop season much more accurate and the final estimates of production toward the close of the crop season accurate within a very small percentage of error.

Size of Farms Does Not Change

In spite of the unprecedented economic adversity under which Iowa

farms were operated in 1932 with foreclosures of mortgages, evictions and whatnot, the average size of Iowa farms remained at 161.2 acres the same as in 1931. The largest reduction in average size of farms was 8 acres in Louisa County, Decatur County standing second with 7 acres less per farm. The largest increase in size of farms was in Emmet County where it amounted to 6 acres. Farms are smallest in Polk County where they averaged only 120 acres with Scott County second with 124 acres. These small acreages are due to the small farms adjacent to the larger cities. However, it is hard to account for the small farms in Bremer County where the average is 128 acres. Farms are largest in Emmet County where the average is 200 acres.

Farm Tenancy Continues Increase

Operation of Iowa farms by tenants in 1932 again showed an increase when compared with 1931. Tenant operated acres amounted to 57.7% of the total acres in farms in 1932 as compared with 55.4% in 1931.

Ninety-four of the ninety-nine counties reported more land operated by tenants in 1932 than in 1931 and five counties reported slightly less. The greatest increase in tenancy was in the central and south portions of the State with Jasper, Decatur and Union counties leading. The causes for these shifts are rather obscure but it is quite likely that mortgage foreclosures under the present method are largely responsible, especially in the southern portion of the State.

The county having the highest percentage of its farm land operated by tenants is Lyon with 75.6% and the county with the least is Dubuque with 32.5%.

Decreased Number of Spring Pigs

Noticeable increases in sows bred are noted in the southern counties east of Fremont, Adams and Adair, also a narrow strip extending from Mitchell and Howard southeast to Jones County where corn production largely recovered from the drouth of the preceding two years. In the sloping region toward the Missouri and Big Sioux Rivers, there was a marked decrease with the principal centers of decrease in Sioux, Pottawattamie and Sac counties. In spite of the large decrease in Sioux County, it still continues to breed more hogs than any other county in Iowa.

The Great Corn Crop of 1932

Unprecedented acreage and a yield of nearly 10 bushels more per acre than in 1931 made the Iowa corn crop of 1932 unprecedented in total bushels and fully answers the description of "bumper crop."

The average yield per acre, 42.7 bushels, has been exceeded but five times in the 44 years of Weather and Crop Bureau records. This was raised on 11,720,280 acres which is 83,754 more acres than the record acreage of 1931. Five times in the last 10 years it has been necessary to use the word "unprecedented" in referring to Iowa corn acreage, which means that there has been almost a steady increase. Heretofore the record crop was 492,647,590 bushels in 1925 but 1932 set a new record, 500,417,407 bushels. This production is 31% greater than in 1931 and nearly 2% greater than the 1925 crop. The increase in production of 1932 over 1931 in Iowa is greater than the total crop of each of 40 other states. The corn acreage of 1932 was 34.2% of the total acres in farms and 53.5% of the total acres in cultivated crops.

The eastern half of the State and nine southwest counties showed a general increase in corn acreage while the rest of the State, except Monona and Sac counties, showed a decrease. The greatest increase was 7,771 acres in Taylor County. The greatest decrease was 7,136 acres in Woodbury County, and nearly as much in Plymouth, the latter being due largely to excessive hail damage.

Damage by heavy snowstorms of November which blew down and buried considerable corn, together with the general attitude that the corn was scarcely worth husking which left many ears in the field, resulted in an average yield per acre of 42.7 bushels which is somewhat less than the estimates of November 1. The weather continued unusually severe and snowy till toward the close of December, which gave little opportunity for man or beast to salvage the down corn. A large increase in the hay crop, a luxuriant growth of corn plants for fodder and silo and a heavy yield of ears for hogging resulted in a decrease of 631,706 acres used for fodder, silo and hogging and all this was thrown over into the husked acreage which increased 7% and thereby increased the total bushels for feeding and market 38% over 1931.

In every county but the hailed counties of Plymouth and Cherokee and in Decatur and Wayne the yield of corn was greater than the average of the preceding 10 years. Scott County had the highest yield, 56.2 bushels per acre, Poweshiek with 47.4 bushels and Shelby with 48.3 bushels also established new record yields for those counties. The highest township average yield was 64.3 bushels in Springdale township, Cedar County. This township often leads the rest of the State. Lincoln township, Scott County, stood second with 63.9 bushels. These are not the highest township average yields of record. Such township data are not available for many years, but a casual inspection shows 67.3 bushels in Fremont township, Cedar County in 1925. In that year, Bloomfield township, Allamakee County had 64.4 bushels.

Oats Production Increased

Iowa's second most important crop, oats, increased 15% in the total number of bushels over 1931. The acreage increased 1.3% and the yield per acre increased 4.2 bushels. The total crop in 1932 amounted to 217,045,939 bushels compared with 188,552,392 bushels in 1931. Weather conditions were more favorable in 1932. Though there was a general increase in oats acreage, many northwest and extreme west central counties showed considerable decreases.

Large Increase in Tame Hay

All tame hay acreage increased only 2.2% in 1932 over 1931 yet favorable weather conditions made the total tons of hay 46.4% larger in 1932. Clover and timothy hay in pure stands and mixed is still the mainstay of the hay crop of Iowa yet there was a decrease of 6% in the acreage in 1932. Pure clover decreased 8%, pure timothy increased 9%, mixed clover and timothy decreased 15% while alfalfa increased 11%. Emergency hay crops such as Sudan increased from 7,746 acres to 26,182 acres. Other miscellaneous hay crops increased 25% in acreage. The increased production of hay together with a luxuriant growth of corn for fodder and silage more than restored the deficiency that has existed on Iowa farms for the past 2 years. However, there were actually less acres of corn used for fodder and silo because of the large production per acre. The relatively good hay crop decreased the need of corn acreage for fodder and silage.

Alfalfa Shows Steady Increase

Alfalfa has continued to go forward steadily throughout the State except in a large number of the southern counties where there has been a decrease in acreage. Some of the Missouri River counties that suffered large decreases in alfalfa acreage a few years ago seem to be coming back. The largest increase in alfalfa acreage was in Kossuth County, followed closely by Jackson County. Alfalfa hay in 1932 showed an increased tonnage of 64% when compared with 1931 and comprised about one-third of all the hay put up in Iowa. The total crop was 1,502,625 tons, averaging 2.80 tons per acre.

Timothy Seed Production Decreases

There was a decrease of 81,588 acres, or 33%, in the acreage of timothy cut for seed in 1932 as compared with 1931. While the total bushels of seed decreased 30% from 1,074,402 in 1931 to 749,496 in 1932. Wayne County continues its leadership in timothy seed production with 16,799 acres, though this is a decrease of about 2,000 acres compared with 1931.

Clover Seed a Short Crop

Though the acreage of red and Alsike clover cut for seed increased nearly 1%, the yield per acre was 0.87 bushel making a total crop of 67,981 bushels which is an increase of 17% over 1931. Most of the clover seed was produced in the four southern tiers of counties. Van Buren County led with 6,237 acres and Washington stands next with 4,379 acres. There was considerable increase from Guthrie to Jasper County and south to Wayne County, the largest being 2,600 acres in Lucas County. There were large decreases in Cass, Taylor and Jefferson counties.

Sweet clover seed decreased 3,598 acres, or 39%, to a total acreage of 5,685, mostly in Woodbury County as usual. The total production of seed was 13,936 bushels which is a decrease of 57%.

The acreage of sweet clover for all purposes was 202,494 which is a decrease of 18,511 acres under 1931, or 8%. Apparently sweet clover has had its day and run its course and surrendered its popularity to alfalfa and soy beans.

Soy Beans Continue Increase

Soy bean acreage increased from 136,872 acres in 1931 to 185,113 acres in 1932. This is an increase of 48,241 acres, or 35%. The short hay crop of 1931 and the poor outlook for hay early in the season in 1932, especially in northern Iowa, caused farmers to increase the acreage of soy beans for hay, with a result that the acreage for hay in 1932 was reported as 138,764 compared with 89,662 in 1931. This is an increase of 49,102 acres or about 55%. The acreage of soy beans for hay has shown a steady increase for the past several years.

In contrast to the acreage of soy beans for hay, the acreage harvested for seed showed a decrease of about 2% in 1932 when compared to 1931. However, the season was very favorable for this crop and the total production was about 12% greater than in 1931.

The acreage of soy beans planted with corn continues to show a steady decline and in 1932 the assessors found only 28,944 acres. Apparently farmers are finding this method of raising soy beans none too profitable.

Flax Decreases Slightly

In spite of the fact that flax seed continued to be the best ready cash crop on Iowa farms, the acreage of 1932 was 18,690, a decrease of 3,931 acres, or 17%. However, the yield was somewhat better in 1932 so that the total production was 169,509 bushels or only about 1% below 1931. While it is easily possible to overdo flax acreage, and this might come about through official action to reduce the corn acreage, there is yet room for considerable expansion in flax. No one should ever think of replacing any large percentage of the corn acreage with flax. If 20% of the Iowa corn acreage were replaced by flax, it would amount to more than the total flax acreage for the United States. Such an expansion in flax acreage could find no profitable outlet.

Apple Production Increases

Iowa's apple production was 459,074 bushels in 1932 which is an increase of 16% over 1931. Skilled orchard management in the vicinity of the larger cities of the State is largely taking care of the home apple market. Polk County produced 45,891 bushels, practically all of which were consumed in Des Moines. The largest county production was 48,753 bushels in Harrison County while Van Buren County produced 30,065 bushels. A very large part of these apples went to market by truck and are truly commercial apples. It is no longer possible to gain any adequate idea of apple production and consumption from the carlot shipments of apples.

Colts Continue to Decrease

Horse colts under one year old January 1, 1933, totaled 25,172 which is a decrease of 2,089, or 8%, as compared with January 1, 1932. Though there was a general decrease, there were considerable areas showing slight increases from Audubon and Pottawattamie counties southeast to Ringgold, Decatur and Wayne and northeast to Marion and Mahaska, also from Johnson County to Delaware County and east to Dubuque County.

The total number of mule colts under one year old January 1, 1933, was 1,626, which is an increase of 9% over 1931.

Tractors Continue to Decrease

Since reaching the peak number, 58,475 in 1930, tractors in Iowa have decreased. The total number of tractors on farms January 1, 1933, was 53,278 which is a decrease of 4,888 since January 1, 1932, or about 8% less. Cheap oats and lack of purchasing power on the part of the farmers are largely responsible for the change. So long as oats can compete with gasoline as a source of farm power, there will continue to be a decrease in tractors. The largest decrease in tractors, amounting to more than 100 per county, was in Sioux, Woodbury and Monona counties and in a rather large area of several counties a little north of the center of the State. There were increases in Cass, Adams, Taylor, Decatur and Dubuque counties.

Farm Automobiles Decreased

Automobiles were most numerous on Iowa farms on January 1, 1930, when there was a total of 217,129 or slightly more than one per farm. In the past three years there has been a steady and increasing decline in number so that on January 1, 1933, there were 191,871 which is 14,087, or 7%, less than a year ago. Every county shows a decrease and the largest decrease, 344, was in Clayton County.

Farm Radios Greatly Decreased

Farm owned radios decreased 29.2% in the year ending January 1, 1933. About one Iowa farm in three has a radio set in operation at this time. The large decrease in active radio sets is a good barometer of the ready cash on farms. In almost every instance the discontinuance of the radio set was due to inability of the farmers to provide replacement batteries and tubes. It is believed that because radio contact with the outer world is the most efficient means of relieving the isolation of the farmer, it is about the last of his luxuries that he would give up.

Under normal economic conditions the radio is almost an indispensable adjunct to a farmer's marketing program. The general sluggishness of marketing farm products is no doubt an important factor in the discontinuance of radio sets. At the peak, January 1, 1931, nearly half of the farms had radios. A decrease is shown in every county, the largest being 671 radios in Pottawattamie County.

Hail Damage Increased

The total loss of crops by hailstorms in 1932 was $2,077,001 which is 51% more than in 1931. If the crops lost had been valued at the unit price prevailing a few years ago, the total damage would have been at least twice as great. This illustrates the weakness of collecting such data on a dollar basis. However, eventually comparison can be made by applying some sort of commercial index number to the successive years of hail damage.

Five counties, Allamakee, Cedar, Clayton, Jefferson and Muscatine, reported no hail damage. The total number of townships reporting hail damage in 1932 was 517, 32% of the total number of townships in the State, as compared with 453 in 1931, or an increase of 14%. The greatest damage in any single township was $126,470, in Preston Township, Plymouth County.

Crop Land Lying Idle

In connection with idle land, it is noted that the total area not in cultivated crops amounted to 12,330,935 acres which is a decrease of 100,992 acres, or about 1%.

The total crop land which is usually farmed but which for a variety of reasons produced little or no crops in 1932, amounted to 160,044 acres which is 76,577 acres, or 92% more than in 1931. Much of this was due to devastating hailstorms, some to floods and some to economic adversity.

GENERAL SUMMARY
Assessors' Crop and Other Farm Statistics, for the Year 1932.

Total acreage in farms	34,222,721
*Total number of farms	212,236
Average size of farms (acres)	161.2
Number of acres owned by operator (42.3 per cent)	14,484,911
Number of acres rented by operator (57.7 per cent)	19,737,810
Total acreage cultivated crops (not including wild hay or red clover seed)	21,891,786

ACREAGE, AVERAGE AND TOTAL YIELD OF CROPS

Corn (total crop, for all purposes)	11,720,280	42.7 bu.	500,417,407
Corn husked or snapped for grain	10,628,334	42.7 "	454,243,344
Corn cut for silage	247,081	9.2 tons	2,269,648
Corn cut for fodder	497,554		
Corn hogged down or grazed off	347,311		
Oats	6,148,078	35.3 bu.	217,045,939
Winter wheat	229,104	16.0 "	3,673,826
Spring wheat	35,260	11.9 "	420,281
Barley	536,569	23.8 "	12,770,884
Rye (for grain)	41,259	12.3 "	509,442
Tame hay (all)	2,818,726	1.55 tons	4,381,537
Clover hay	384,104	1.41 "	540,719
Timothy hay	675,207	1.04 "	701,824
Mixed clover and timothy hay	878,227	1.32 "	1,161,469
Alfalfa hay	537,126	2.80 "	1,503,625
All other tame hay	344,062	1.38 "	473,900
Wild hay	180,924	1.15 "	207,772
Flax seed	18,690	9.1 bu.	169,509
Potatoes	48,561	109.1 "	5,296,392
Buckwheat	2,640	13.3 "	35,212
Soy beans (for beans)	46,349	17.7 "	818,300
Pop corn	15,266	1,638 lbs.	25,009,357
Timothy seed	166,148	4.5 bu.	749,496
Clover seed (red, alsike, etc.)	77,767	0.87 "	67,981
Sweet clover seed	5,685	2.45 "	13,936
Crops not otherwise enumerated	59,171		

DUPLICATED AND MISCELLANEOUS ACREAGES

Soy beans, sown with other crops	28,944
+Soy bean hay	138,764
+Grain cut green for hay	83,355
+Sudan grass hay	26,182
Sweet clover for all purposes	202,494
Land occupied by farm buildings, feed lots, and public highways	1,643,160
Waste land in farms	372,255
Farm wood lots, not pastured	296,950
Crop land lying idle	160,044
Pastures	9,677,602

MISCELLANEOUS ITEMS

Tractors on farms January 1, 1933	53,278
Automobiles on farms January 1, 1933	191,871
Auto trucks on farms January 1, 1933	21,407
Radio receiving sets on farms January 1, 1933	69,363
Apples harvested in 1932, total bushels	459,074
Damage to crops by hail during 1932, dollars	2,077,001
Colts, number of horses under one year old on farms January 1, 1933	25,172
Colts, number of mules under one year old on farms January 1, 1933	1,626

*A "farm" may consist of any tract of land of not less than three acres, used for agricultural purposes, operated by one person with or without the assistance of his family or hired employees. A partnership is considered as one farm.

+Included in table above as part of "All other tame hay."

COMPARISON OF ASSESSORS' REPORTS

		Reported for 1931	Reported for 1932		Actual Change	Per Cent 1932 Is of 1931
Total acreage in farms		34,205,558	34,222,721	+	17,163	100.0
Total number of farms		212,246	212,236	—	10	100.0
Average size of farms (acres)		161.2	161.2		0	100.0
Number of acres owned by operator		15,253,924	14,484,911	—	769,013	95.0
Number of acres rented by operator		18,951,634	19,737,810	+	786,176	104.1
Total net acreage of cultivated crops		21,773,631	21,891,786	+	118,155	100.5
Corn (Total for all purposes)	Acres	11,636,526	11,720,280	+	83,754	100.7
Corn husked or snapped for grain	"	9,912,874	10,628,334	+	715,460	107.2
Corn cut for silage	"	339,920	247,081	—	92,839	72.7
Corn cut for fodder	"	890,549	497,554	—	392,995	55.9
Corn hogged down or grazed off	"	493,183	347,311	—	145,872	70.4
Oats	"	6,070,820	6,148,078	+	77,258	101.3
Winter wheat	"	312,062	229,104	—	82,958	73.4
Spring wheat	"	35,006	35,260	+	254	100.7
Barley	"	437,152	536,569	+	99,417	122.7
Rye (for grain)	"	40,903	41,259	+	356	100.9
Tame hay (Total, all varieties)	"	2,757,129	2,818,726	+	61,597	102.2
Clover hay	"	419,169	384,104	—	35,065	91.6
Timothy hay	"	617,642	675,207	+	57,565	109.3
Mixed clover and timothy hay	"	1,034,459	878,227	—	156,232	84.9
Alfalfa hay	"	486,010	537,126	+	51,116	110.5
All other tame hay	"	199,849	344,062	+	144,213	172.2
Wild hay	"	189,280	180,924	—	8,356	95.6
Flax seed	"	22,621	18,690	—	3,931	82.6
Potatoes	"	45,481	48,561	+	3,080	106.8
Buckwheat	"	1,695	2,640	+	945	155.8
Soy beans (for beans)	"	47,210	46,349	—	861	98.2
Pop corn	"	19,351	15,266	—	4,085	78.9
Timothy seed	"	247,736	166,148	—	81,588	67.1
Clover seed (Red, alsike, etc.)	"	77,226	77,767	+	541	100.7
Sweet clover seed	"	9,283	5,685	—	3,598	61.2
Crops not otherwise enumerated	"	90,656	59,171	—	31,485	65.3
Soy beans sown with other crops	"	54,942	28,944	—	25,998	52.7
Soy bean hay	"	89,662	138,764	+	49,102	154.8
Sudan grass hay	"	7,746	26,182	+	18,436	338.0
Sweet clover for all purposes	"	221,005	202,494	—	18,511	91.6
Buildings, feed lots, highways	"	1,628,070	1,643,160	+	15,090	100.9
Waste land in farms	"	325,961	372,255	+	46,294	114.2
Farm wood lots, not pastured	"	295,246	296,950	+	1,704	100.6
Crop land lying idle	"	83,467	160,044	+	76,577	191.7
Pastures	"	9,909,903	9,677,602	—	232,301	97.7
PRODUCTION OF PRINCIPAL CROPS						
Corn (Total crop)	Bus.	382,625,812	500,417,407	+	117,791,595	130.8
Corn husked or snapped for grain	"	330,065,859	454,243,344	+	124,177,485	137.6
Corn put up for silage	Tons	2,369,436	2,269,648	—	99,788	95.8
Oats	Bus.	188,552,392	217,045,939	+	28,493,547	115.1
Winter wheat	"	6,540,195	3,673,826	—	2,866,369	56.2
Spring wheat	"	605,507	420,281	—	185,226	69.4
Barley	"	11,247,892	12,770,884	+	1,522,992	113.5
Rye (for grain)	"	588,377	509,442	—	78,935	86.6
Tame hay (All varieties)	Tons	2,992,877	4,381,537	+	1,388,660	146.4
Clover hay	"	443,918	540,719	+	96,801	121.8
Timothy hay	"	459,225	701,824	+	242,599	152.8
Mixed clover and timothy hay	"	943,003	1,161,469	+	218,466	123.2
Alfalfa hay	"	918,346	1,503,625	+	585,279	163.7
All other tame hay	"	228,385	473,900	+	245,515	207.5
Wild hay	"	129,138	207,772	+	78,634	160.9
Flax seed	Bus.	170,736	169,509	—	1,227	99.3
Potatoes	"	2,435,130	5,296,392	+	2,861,262	217.5
Buckwheat	"	12,763	35,212	+	22,449	275.9
Soy beans	"	727,297	818,300	+	91,003	112.5
Pop corn	Lbs.	23,850,380	25,009,357	+	1,158,977	104.9
Timothy seed	Bus.	1,074,402	749,496	—	324,906	69.8
Clover seed (Red, alsike, etc.)	"	58,012	67,981	+	9,969	117.2
Sweet clover seed	"	32,599	13,936	—	18,663	42.8
Apples	"	396,819	459,074	+	62,255	115.7
MISCELLANEOUS ITEMS						
Tractors on farms Jan. 1, 1932 and 1933	No.	58,166	53,278	—	4,888	91.6
Autos on farms Jan. 1, 1932 and 1933	"	205,958	191,871	—	14,087	93.2
Auto trucks on farms Jan. 1, 1932 and 1933	"	25,234	21,407	—	3,857	84.7
Radio sets on farms Jan. 1, 1932 and 1933	"	97,938	69,363	—	28,575	70.8
Colts on farms Jan. 1, 1932 and 1933 (horses)	"	27,261	25,172	—	2,089	92.3
Colts on farms Jan. 1, 1932 and 1933 (mules)	"	1,496	1,626	+	130	108.7
Damage to crops by hail	Dollars	1,378,114	2,077,001	+	698,887	150.7

TABLE NO. 1

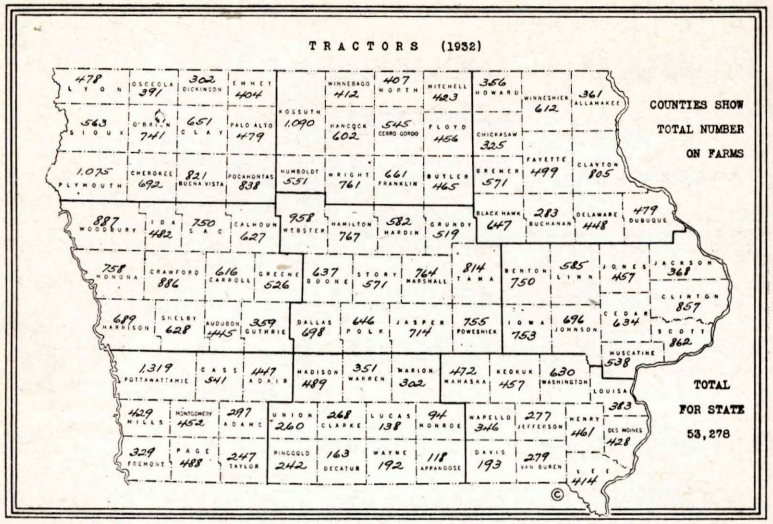
Total number, average size and total acreage in farms; number of acres owned and rented by operators of farms; total acreage occupied by farm buildings, public highways and feed lots; total acreage in farm wood lots, waste land and crop land lying idle; estimated amount of damage to crops by hail; total number of tractors, automobiles, auto trucks, radio receiving sets and colts under one year of age, on farms; for the year 1932, all by counties.

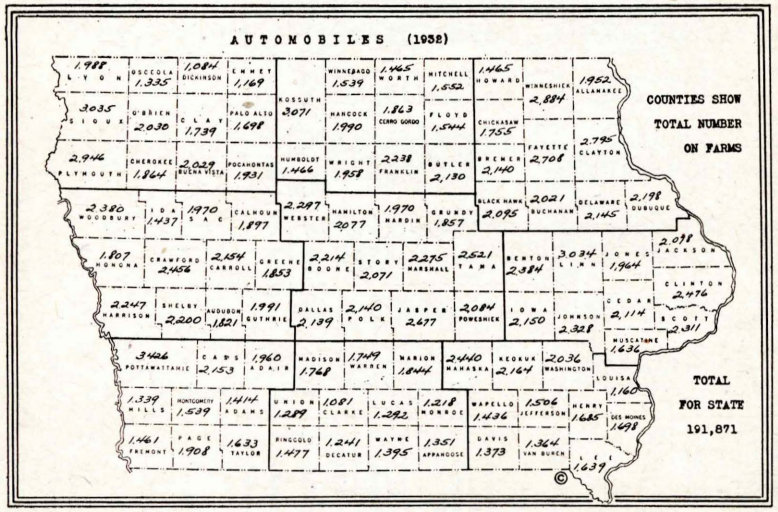
Districts and Counties	Number of farms	Average size of farms (acres)	Total acreage in farms	Tenure of Acreage: Owned by Operator: Acres	Tenure of Acreage: Owned by Operator: Per cent	Tenure of Acreage: Rented by Operator: Acres	Tenure of Acreage: Rented by Operator: Per cent	Acres occupied by bldgs., feed lots and public highways	Acreage in wood lots used for timber only	Acreage in waste land not utilized for any purpose	Acreage in crop land lying idle	Hail damage (Dollars)	Number of tractors on farms	Number of automobiles on farms	Number of auto trucks on farms	Number of radio receiving sets on farms	Colts Under 1 Year Old on Farms, Jan. 1, 1933: Horses	Colts Under 1 Year Old on Farms, Jan. 1, 1933: Mules
Northwest—																		
Buena Vista	2,055	175	359,186	129,222	36.0	229,964	64.0	20,712	435	945	202	23,979	821	2,029	421	733	249	8
Cherokee	1,818	196	357,043	114,013	31.9	243,030	68.1	19,475	366	1,308	1,074	36,778	692	1,864	218	809	210	9
Clay	1,845	191	352,122	112,734	32.0	239,388	68.0	19,953	718	1,222	336	8,510	651	1,739	203	827	242	3
Dickinson	1,179	199	234,591	69,634	29.7	164,957	70.3	12,708	150	1,824	416	23,842	302	1,084	173	296	239	2
Emmet	1,227	200	245,651	69,098	28.1	176,553	71.9	12,811	1,176	2,504	4,352	177,014	404	1,169	196	370	220	4
Lyon	1,841	199	366,339	89,525	24.4	276,814	75.6	18,953	457	227	218	20,108	478	1,988	239	743	283	11
O'Brien	1,906	186	354,389	106,035	29.9	248,354	70.1	20,617	33	223	74	11,128	741	2,030	208	830	184	10
Osceola	1,306	192	250,147	66,372	26.5	183,775	73.5	13,551	108	296	163	17,889	391	1,335	142	384	170	9
Palo Alto	1,817	191	347,024	94,453	27.2	252,571	72.8	18,131	261	2,156	190	4,298	479	1,698	244	532	290	8
Plymouth	2,865	189	541,097	177,334	32.8	363,763	67.2	28,583	254	844	14,767	497,501	1,075	2,946	362	1,117	313	13
Pocahontas	2,024	178	359,668	114,271	31.8	245,397	68.2	20,549	627	2,686	358	18,957	838	1,931	318	626	230	13
Sioux	2,825	167	472,677	139,357	29.5	333,320	70.5	25,385	273	563	165	78,945	563	3,035	238	778	310	3
For District	22,708	187	4,239,934	1,282,048	30.2	2,957,886	69.8	231,428	4,858	14,798	22,315	918,949	7,435	22,848	2,962	8,045	2,940	93
North Central—																		
Butler	2,192	162	354,237	126,960	35.8	227,277	64.2	20,550	1,211	1,655	1,447	14,580	465	2,130	188	566	388	9
Cerro Gordo	1,940	179	346,428	116,171	33.5	230,257	66.5	19,019	467	2,540	712	20,868	545	1,863	181	668	274	16
Floyd	1,854	165	306,332	114,661	37.4	191,671	62.6	16,197	992	1,425	524	1,623	456	1,544	113	547	246	1
Franklin	2,132	170	361,862	136,476	37.7	225,386	62.3	20,039	565	1,359	760	9,372	661	2,238	211	871	277	8
Hancock	1,945	183	355,728	117,056	32.9	238,672	67.1	19,993	316	2,425	8,479	182,751	602	1,990	240	703	334	25
Humboldt	1,455	183	266,231	102,922	38.7	163,339	61.3	15,578	527	1,235	532	19,763	551	1,466	173	532	216	1
Kossuth	3,057	198	604,190	203,609	33.7	400,581	66.3	32,516	817	5,067	1,243	24,367	1,090	3,071	487	1,044	618	6
Mitchell	1,753	163	286,271	124,662	43.5	161,609	56.5	15,613	1,185	869	1,598	40,251	423	1,552	157	555	284	10
Winnebago	1,613	154	249,026	93,282	37.5	155,744	62.5	15,127	532	3,514	848	7,818	412	1,539	129	426	200	8
Worth	1,513	163	247,040	99,916	40.4	147,124	59.6	14,676	688	1,328	4,615	182,333	407	1,465	156	420	199	4
Wright	1,943	184	357,474	110,613	30.9	246,861	69.1	19,190	881	3,414	1,055	11,700	761	1,958	357	826	316	14
For District	21,397	175	3,734,849	1,346,328	36.0	2,288,521	64.0	208,498	8,181	24,831	21,813	515,426	6,373	20,816	2,392	7,158	3,352	102
Northeast—																		
Allamakee	2,248	172	386,861	244,527	63.2	142,334	36.8	11,734	26,357	40,760	1,255	---	361	1,952	227	675	265	7
Black Hawk	2,377	144	341,610	140,124	41.0	201,486	59.0	18,048	1,303	3,712	1,165	5,472	647	2,095	346	836	194	8
Bremer	2,088	128	266,496	134,308	50.4	132,188	49.6	13,557	2,606	2,044	169	4,868	571	2,140	309	500	276	17
Buchanan	2,300	153	352,612	132,742	37.6	219,870	62.4	17,019	1,432	1,757	585	7,023	283	2,021	145	601	384	21
Chickasaw	1,986	153	303,230	134,484	44.4	168,746	55.6	16,154	1,999	1,392	149	1,387	325	1,755	129	549	402	3
Clayton	3,063	154	470,791	272,710	57.9	198,081	42.1	19,115	17,215	11,636	620	---	805	2,795	496	972	377	25
Delaware	2,236	157	351,345	150,338	42.8	201,007	57.2	16,198	2,911	4,443	366	176	448	2,145	178	546	357	10
Dubuque	2,260	163	369,175	249,138	67.5	120,037	32.5	12,824	8,599	8,589	903	25	479	2,198	298	710	376	27
Fayette	3,088	145	446,380	208,162	46.6	238,218	53.4	21,426	4,731	4,050	595	16,324	499	2,708	282	780	405	22
Howard	1,766	168	296,042	123,313	41.7	172,729	58.3	15,205	1,885	1,509	1,046	389	356	1,465	132	450	336	1
Winneshiek	2,791	154	428,725	245,890	57.4	182,835	42.6	20,665	11,801	9,875	1,197	31,606	612	2,884	222	1,003	451	4
For District	26,203	153	4,013,267	2,035,736	50.7	1,977,531	49.3	181,945	80,839	89,767	8,050	67,270	5,386	24,158	2,764	7,622	3,823	145
West Central—																		
Audubon	1,787	156	278,256	117,632	42.3	160,624	57.7	14,000	492	484	499	775	445	1,821	161	762	175	15
Calhoun	1,985	176	349,585	99,600	28.5	249,985	71.5	18,227	87	791	6	17,559	627	1,897	293	751	292	22
Carroll	2,171	165	358,022	150,059	41.9	207,963	58.1	20,646	579	2,380	322	1,600	616	2,154	285	731	280	18
Crawford	2,565	174	445,330	192,704	43.3	252,626	56.7	24,956	765	1,621	944	1,201	886	2,456	186	1,025	303	5
Greene	2,064	170	351,410	103,532	29.5	247,878	70.5	16,568	1,741	1,341	60	2,598	526	1,853	196	628	286	19
Guthrie	2,325	157	365,675	136,729	37.4	228,946	62.6	16,548	3,172	4,641	225	1,218	359	1,991	115	672	228	3
Harrison	2,785	150	416,924	170,026	40.8	246,898	59.2	19,102	4,215	12,725	6,012	36,617	689	2,247	122	876	223	29
Ida	1,461	187	272,503	80,054	29.4	192,449	70.6	14,996	188	865	320	25,735	482	1,437	111	475	167	4
Monona	2,117	196	415,586	141,390	34.0	274,196	66.0	17,882	3,056	7,988	10,038	4,989	758	1,807	215	615	198	13
Sac	1,955	182	355,892	125,099	35.2	230,793	64.8	20,679	186	1,016	1,122	106,279	750	1,970	372	924	305	47
Shelby	2,167	170	368,952	161,816	43.9	207,136	56.1	19,429	767	2,376	531	1,835	628	2,200	176	896	420	12
Woodbury	2,982	174	519,436	181,783	35.0	337,653	65.0	23,911	6,102	5,779	6,231	8,014	887	2,380	274	778	281	23
For District	26,364	171	4,497,571	1,669,424	36.9	2,837,147	63.1	226,944	21,350	42,007	26,310	208,420	7,653	24,213	2,503	9,133	3,158	210
Central—																		
Boone	2,435	143	347,882	126,681	36.4	221,201	63.6	17,405	1,256	1,559	256	991	637	2,214	324	880	285	20
Dallas	2,309	158	363,977	150,574	41.4	213,403	58.6	17,415	2,800	3,896	268	370	698	2,139	369	738	227	3
Grundy	1,772	177	313,496	112,642	35.9	200,854	64.1	18,366	69	255	---	7	519	1,857	283	584	228	14
Hamilton	2,160	165	356,911	120,369	33.7	236,542	66.3	18,339	814	2,008	790	84,870	767	2,077	284	810	239	9
Hardin	2,135	162	346,713	135,780	39.2	210,933	60.8	20,220	881	1,217	228	5,033	582	1,970	216	577	200	18
Jasper	2,934	153	449,577	219,928	48.9	229,649	51.1	21,985	646	2,952	234	1,646	714	2,677	268	990	303	12
Marshall	2,219	159	352,249	131,982	37.5	220,267	62.5	18,845	1,226	1,573	437	28,597	764	2,275	298	1,023	255	14
Polk	2,626	120	315,787	131,603	41.7	184,184	58.3	16,279	1,620	3,172	1,498	1,968	646	2,140	445	942	132	14
Poweshiek	2,160	169	364,912	149,794	41.0	215,118	59.0	15,446	2,636	1,546	685	1,220	755	2,084	256	873	299	19
Story	2,237	155	347,737	116,962	33.6	230,775	66.4	17,500	235	1,128	42	200	571	2,071	302	729	293	16
Tama	2,654	169	448,290	208,917	46.6	239,373	53.4	22,140	6,926	5,063	967	2,374	814	2,521	455	861	284	12
Webster	2,558	170	435,930	155,694	35.7	280,236	64.3	20,381	3,078	2,286	769	1,939	958	2,297	296	787	309	11
For District	28,199	158	4,443,461	1,780,926	39.6	2,682,535	60.4	224,314	22,187	26,655	6,168	129,155	8,425	26,322	3,796	9,794	3,054	132

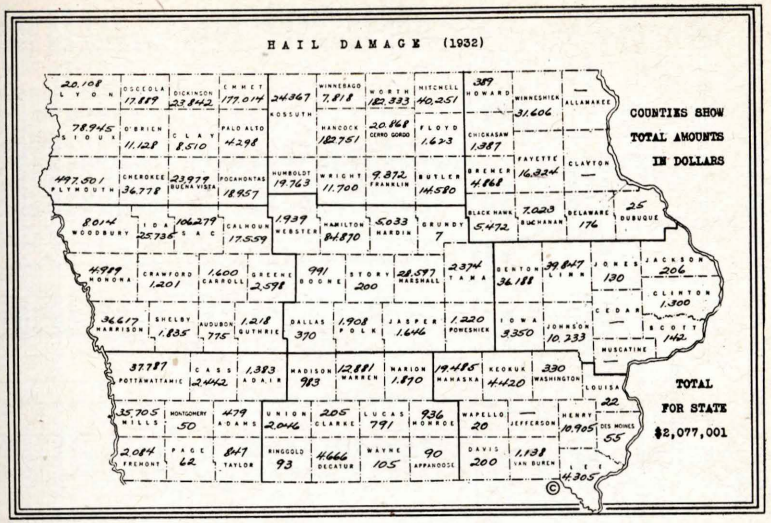
TABLE NO. 1—Continued

Districts and Counties	Number of farms	Average size of farms (acres)	Total acreage in farms	Tenure of Acreage: Owned by Operator, Acres	Owned by Operator, Per cent	Rented by Operator, Acres	Rented by Operator, Per cent	Acres occupied by bldgs., feed lots and public highways	Acreage in wood lots used for timber only	Acreage in waste land not utilized for any purpose	Acreage in crop land lying idle	Hail damage (Dollars)	Number of tractors on farms	Number of automobiles on farms	Number of auto. trucks on farms	Number of radio receiving sets on farms	Colts Under 1 Year Old on Farms, Jan. 1, 1933: Horses	Colts Under 1 Year Old on Farms, Jan. 1, 1933: Mules
East Central—																		
Benton	2,507	177	444,245	171,725	38.7	272,520	61.3	22,731	3,572	1,178	579	36,188	750	2,384	373	974	440	6
Cedar	2,238	158	353,487	161,184	45.6	192,303	54.4	15,916	4,866	2,587	818	----------	634	2,114	164	700	191	6
Clinton	2,778	151	419,475	188,585	45.0	230,890	55.0	19,043	3,337	2,803	689	1,300	857	2,476	323	946	284	9
Iowa	2,175	166	360,489	179,598	49.8	180,891	50.2	15,817	9,487	7,643	856	3,350	753	2,150	311	745	300	16
Jackson	2,309	170	392,855	246,437	62.7	146,418	37.3	11,762	6,682	6,175	2,754	206	368	2,078	163	693	206	24
Johnson	2,624	141	370,527	212,572	57.4	157,955	42.6	12,889	7,250	5,292	632	10,233	696	2,328	344	949	223	26
Jones	2,321	152	351,764	183,954	52.3	167,810	47.7	13,509	6,081	3,071	76	130	457	1,964	219	660	201	9
Linn	3,411	125	425,191	212,717	50.0	212,474	50.0	18,360	5,908	4,731	977	39,847	585	3,034	414	999	245	11
Muscatine	1,685	152	255,742	115,467	45.1	140,275	54.9	10,473	4,678	3,575	3,452	----------	538	1,636	278	657	142	3
Scott	2,178	124	271,013	115,632	42.7	155,411	57.3	12,243	1,181	2,818	1,108	142	862	2,311	697	1,110	163	1
For District	24,226	150	3,644,818	1,787,871	49.1	1,856,947	50.9	152,738	53,042	39,873	11,941	91,396	6,500	22,475	3,236	8,433	2,395	111
Southwest—																		
Adair	2,161	167	361,173	152,053	42.1	209,120	57.9	18,382	1,867	359	490	1,383	147	1,960	164	759	281	13
Adams	1,657	162	267,787	129,048	48.2	138,739	51.8	13,695	757	2,298	305	479	297	1,414	103	820	175	23
Cass	2,178	162	352,994	143,096	40.6	208,998	59.4	16,088	1,045	1,962	649	2,442	541	2,153	183	913	281	19
Fremont	1,683	178	300,197	130,623	43.5	169,574	56.5	14,135	5,384	8,725	5,655	2,084	329	1,461	157	496	93	23
Mills	1,576	165	259,518	111,368	42.9	148,150	57.1	12,231	2,905	3,962	3,498	35,705	429	1,339	120	584	103	3
Montgomery	1,591	164	261,379	108,614	41.6	152,765	58.4	13,510	668	2,415	695	50	452	1,539	121	842	140	12
Page	2,187	151	330,408	149,398	45.2	181,010	54.8	16,478	846	2,833	1,580	62	488	1,908	131	826	135	30
Pottawattamie	3,727	151	564,013	230,017	40.8	333,996	59.2	28 638	2,819	5,961	6,388	37,787	1,319	3,426	324	1,583	348	10
Taylor	2,181	150	327,171	146,327	44.7	180,844	55.3	14,884	2,031	2,455	2,580	847	247	1,633	73	754	242	22.
For District	18,941	160	3,023,740	1,300,544	43.0	1,723,196	57.0	148,041	18,322	31,570	21,840	80,839	4,549	16,833	1,376	7,577	1,798	155

South Central—																		
Appanoose	2,318	135	313,396	183,718	58.6	129,678	41.4	12,875	3,141	7,299	3,837	90	118	1,351	55	332	136	22
Clarke	1,529	173	263,989	100,154	37.9	163,835	62.1	11,013	5,181	4,952	1,560	205	268	1,081	46	340	170	18
Decatur	2,107	156	329,395	141,323	42.9	188,072	57.1	13,310	4,949	9,511	3,984	4,666	163	1,241	66	455	220	29
Lucas	1,674	157	262,704	130,280	49.6	132,424	50.4	9,728	6,066	5,240	840	791	138	1,292	65	406	196	42
Madison	2,206	160	353,381	171,943	48.7	181,438	51.3	16,987	4,915	3,790	507	983	489	1,768	181	770	225	21
Marion	2,351	146	343,191	173,517	50.6	169,674	49.4	14,220	4,667	5,702	531	1,870	362	1,844	130	636	245	72
Monroe	1,708	155	264,494	142,616	53.9	121,878	46.1	10,209	2,355	4,357	1,689	936	94	1,218	47	359	154	15
Ringgold	1,962	168	329,924	145,370	44.1	184,554	55.9	14,022	5,513	3,579	2,774	93	242	1,477	36	530	293	34
Union	1,668	157	261,910	110,708	42.3	151,202	57.7	12,942	1,125	1,520	1,541	2,046	260	1,289	67	564	184	34
Warren	2,334	148	345,885	157,596	45.6	188,289	54.4	15,985	4,499	5,654	1,720	12,881	351	1,749	132	574	198	37
Wayne	1,917	170	325,798	143,371	44.0	182,427	56.0	13,801	1,462	3,744	2,848	105	192	1,395	65	497	284	72
For District	21,774	156	3,394,067	1,600,596	47.2	1,793,471	52.8	145,092	43,873	55,348	21,831	24,666	2,617	15,705	830	5,463	2,305	396
Southeast—																		
Davis	1,933	160	308,861	178,342	57.7	130,519	42.3	10,358	6,227	6,754	3,203	209	193	1,373	62	294	187	18
Des Moines	1,854	133	245,792	135,982	55.3	109,810	44.7	9,241	2,845	4,378	530	55	428	1,698	171	637	208	7
Henry	1,869	141	264,382	129,928	49.1	134,454	50.9	11,432	1,143	1,282	404	10,905	461	1,685	156	652	228	11
Jefferson	1,864	143	267,042	137,396	51.5	129,646	48.5	9,823	1,703	997	1,379	----------	277	1,506	60	463	178	12
Keokuk	2,579	138	355,296	204,323	57.5	150,973	42.5	15,965	4,893	4,183	775	4,420	457	2,164	94	725	322	48
Lee	2,027	148	299,227	187,170	62.6	112,057	37.4	9,580	6,696	7,301	3,433	4,305	414	1,639	210	555	229	31
Louisa	1,415	163	230,719	103,283	44.8	127,436	55.2	8,168	3,359	3,480	2,715	22	383	1,160	105	324	160	19
Mahaska	2,741	129	353,775	154,784	43.8	198,991	56.2	15,451	2,669	5,258	1,450	19,485	472	2,440	200	892	234	50
Van Buren	1,977	152	299,568	173,253	57.8	126,315	42.2	10,017	4,190	3,088	2,111	1,138	279	1,364	87	417	248	19
Wapello	1,928	133	256,851	129,035	50.2	127,816	49.8	9,294	4,516	6,384	2,938	20	346	1,436	165	419	109	11
Washington	2,237	156	349,501	176,942	50.6	172,559	49.4	14,831	6,057	4,301	838	330	630	2,006	175	760	244	26
For District	22,424	144	3,231,014	1,710,438	52.9	1,520,576	47.1	124,166	44,298	47,406	19,776	40,880	4,340	18,501	1,485	6,138	2,347	252
For State	212,236	161	34,222,721	14,484,911	42.3	19,737,810	57.7	1,643,160	296,950	372,255	160,044	2,077,001	53,278	191,871	21,407	69,363	25,172	1,626


TRACTORS (1932)
COUNTIES SHOW TOTAL NUMBER ON FARMS
TOTAL FOR STATE 53,278


AUTOMOBILES (1932)
COUNTIES SHOW TOTAL NUMBER ON FARMS
TOTAL FOR STATE 191,871


HAIL DAMAGE (1932)
COUNTIES SHOW TOTAL AMOUNTS IN DOLLARS
TOTAL FOR STATE $2,077,001

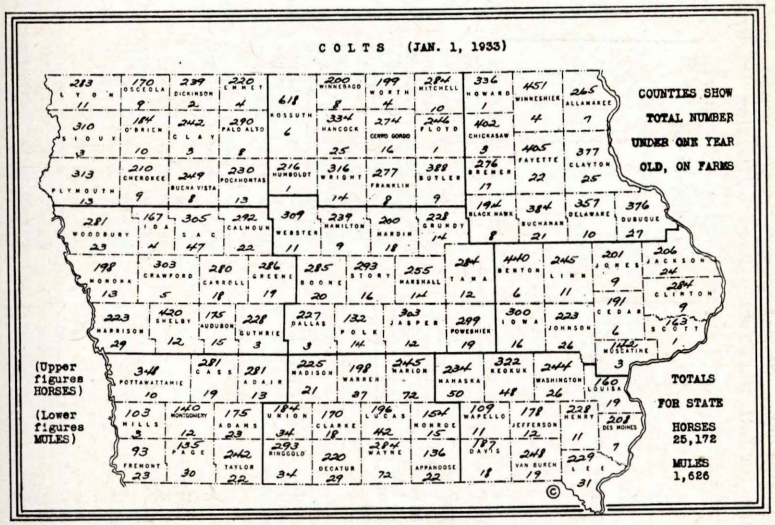

COLTS (JAN. 1, 1933)
COUNTIES SHOW TOTAL NUMBER UNDER ONE YEAR OLD, ON FARMS
(Upper figures HORSES)
(Lower figures MULES)
TOTALS FOR STATE
HORSES 25,172
MULES 1,626

TABLE NO. 2

Acreage, average and total production of corn, for the year 1932, by counties.

(Note: The "Total Crop" is determined by applying the average yield per acre of the corn husked to the total acreage for all purposes. The "utilization" figures assume whole plant used.)

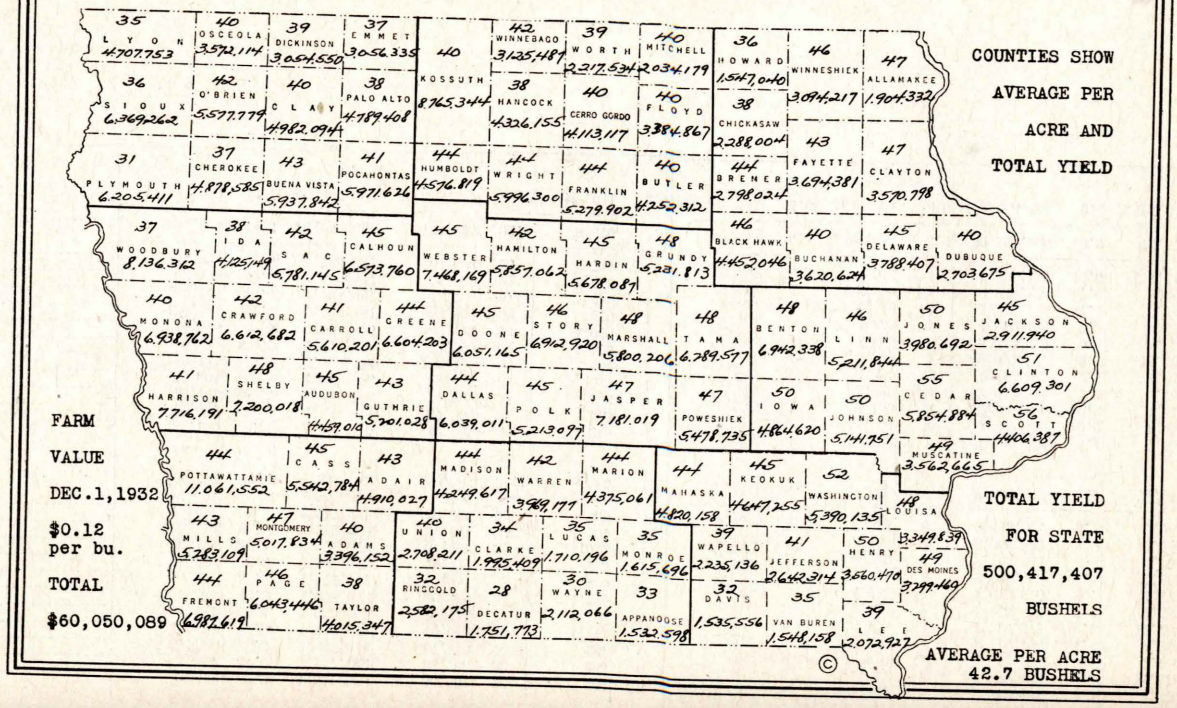
Districts and Counties	Total Crop			Utilization											
	Acres	Average Per Acre	Total Production	Husked or Snapped for Grain		Cut for Silage		Cut for Fodder		Hogged Down or Grazed Off		Husked for Grain	Silage Put Up	
	Number	Bu.	Bushels	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Bushels	Tons Per Acre	Total Tons
Northwest—														
Buena Vista	151,004	42.7	6,447,871	139,142	92	2,482	2	4,590	3	4,790	3	5,937,842	9.9	24,614
Cherokee	144,184	37.2	5,363,645	131,002	91	3,022	2	2,527	2	7,633	5	4,878,585	9.0	27,326
Clay	136,957	40.1	5,491,976	124,143	91	3,056	2	5,049	4	4,709	3	4,982,094	8.7	26,523
Dickinson	85,738	39.0	3,343,782	78,334	91	1,297	2	3,620	4	2,487	3	3,054,550	8.9	11,366
Emmet	92,273	36.8	3,432,446	82,847	89	2,409	2	3,639	4	4,378	5	3,056,335	9.1	22,029
Lyon	143,074	35.4	5,064,820	132,892	93	2,160	1	5,135	4	2,887	2	4,707,753	7.5	16,212
O'Brien	142,776	41.7	5,953,759	133,818	94	1,896	1	3,588	3	3,474	2	5,577,779	9.8	18,659
Osceola	97,407	39.5	3,847,576	90,537	93	795	1	4,303	4	1,772	2	3,572,114	10.1	8,011
Palo Alto	136,083	37.9	5,157,546	126,434	93	2,537	2	3,840	3	3,272	2	4,789,408	9.2	23,229
Plymouth	213,144	31.4	6,692,722	197,564	93	3,755	2	3,136	1	8,689	4	6,205,411	7.3	27,432
Pocahontas	154,745	40.8	6,313,596	146,312	95	1,198	1	3,424	2	3,811	2	5,971,626	9.3	11,128
Sioux	194,584	36.1	7,024,482	176,617	91	5,897	3	8,349	4	3,721	2	6,369,262	8.0	47,443
For District	1,692,969	37.9	64,134,221	1,559,642	92.1	30,504	1.8	51,200	3.0	51,623	3.1	59,102,759	8.7	263,972
North Central—														
Butler	124,797	40.4	5,041,799	105,213	84	5,000	4	10,984	9	3,600	3	4,252,312	8.9	44,544
Cerro Gordo	125,161	40.0	5,006,440	102,826	82	6,686	6	11,565	9	4,084	3	4,113,117	9.2	61,752
Floyd	136,250	39.5	4,196,875	85,794	81	6,197	6	11,442	11	2,817	2	3,384,867	9.0	55,528
Franklin	147,374	43.6	6,425,506	120,969	82	7,068	5	12,817	9	6,520	4	5,279,902	9.1	64,162
Hancock	131,718	37.9	4,992,112	114,191	87	5,974	4	6,184	5	5,369	4	4,326,155	8.9	53,315
Humboldt	112,910	43.8	4,945,458	104,491	93	2,700	2	2,970	3	2,749	2	4,576,819	10.0	26,902
Kossuth	237,304	40.3	9,563,351	217,471	92	6,192	3	7,707	3	5,934	2	8,765,344	9.2	56,784
Mitchell	83,040	40.0	3,321,600	50,908	61	10,113	12	19,783	24	2,236	3	2,034,179	7.5	75,835
Winnebago	85,936	42.1	3,617,906	74,181	86	4,690	6	3,315	4	3,750	4	3,125,487	9.6	44,821
Worth	73,885	38.9	2,874,126	56,973	77	5,293	7	8,282	11	3,337	5	2,217,534	5.8	47,665
Wright	151,658	44.2	6,703,284	135,776	90	2,788	2	7,889	5	5,205	3	5,996,300	8.8	24,659
For District	1,380,033	41.1	56,688,457	1,168,793	84.7	62,701	4.5	102,938	7.5	45,601	3.3	48,072,016	8.9	555,967

Northeast—														
Allamakee	48,384	47.1	2,278,886	40,417	84	4,110	8	2,412	5	1,445	3	1,904,332	9.7	39,879
Black Hawk	117,871	45.7	5,386,705	97,408	83	7,318	6	9,340	8	3,805	3	4,452,046	10.0	73,298
Bremer	77,470	43.8	3,393,186	63,874	82	6,406	8	5,876	8	1,314	2	2,798,024	11.0	70,671
Buchanan	119,926	40.1	4,809,033	90,367	76	3,784	3	23,036	19	2,789	2	3,620,624	9.2	34,537
Chickasaw	81,772	38.3	3,131,868	59,741	73	6,041	8	14,116	17	1,874	2	2,288,004	9.1	54,729
Clayton	88,967	47.2	4,199,242	75,683	85	7,973	9	1,975	2	3,336	4	3,570,798	9.6	76,193
Delaware	104,721	45.1	4,722,917	84,078	80	7,689	7	9,343	9	3,661	4	3,788,407	9.3	71,210
Dubuque	78,442	40.5	3,176,901	66,807	85	3,602	5	6,139	8	1,894	2	2,703,675	8.9	32,228
Fayette	111,399	42.9	4,779,017	86,073	77	9,381	8	13,053	12	2,892	3	3,694,381	9.7	90,908
Howard	67,996	36.3	2,468,255	42,659	63	7,066	10	16,462	24	1,809	3	1,547,040	7.4	52,014
Winneshiek	90,337	46.2	4,173,569	67,028	74	7,734	9	10,211	11	5,364	6	3,094,217	9.1	70,427
For District	987,285	43.1	42,519,579	774,135	78.4	71,004	7.2	111,963	11.3	30,183	3.1	33,461,548	9.4	666,094
West Central—														
Audubon	103,427	45.2	4,674,900	98,620	95	636	1	1,272	1	2,869	3	4,459,010	9.7	6,490
Calhoun	149,833	45.3	6,787,435	145,114	97	417	0	1,720	1	2,582	2	6,573,760	9.7	4,043
Carroll	143,309	41.1	5,890,000	136,445	95	1,093	1	2,418	2	3,353	2	5,610,201	8.8	9,640
Crawford	168,737	41.7	7,036,333	158,633	94	867	0	1,219	1	8,018	5	6,612,682	8.7	7,535
Greene	160,675	44.2	7,101,835	149,536	93	658	0	7,272	5	3,209	2	6,604,203	10.8	7,126
Guthrie	127,708	43.0	5,491,444	120,868	95	294	0	3,313	3	3,233	2	5,201,028	9.4	2,767
Harrison	195,116	40.9	7,980,244	188,439	97	627	0	2,000	1	4,050	2	7,716,191	9.1	5,676
Ida	114,657	38.5	4,414,294	107,165	93	559	1	1,583	1	5,350	5	4,125,149	8.5	4,730
Monona	179,413	40.3	7,230,344	172,128	96	287	0	1,497	1	5,501	3	6,938,762	9.2	2,630
Sac	146,208	42.3	6,184,598	136,709	93	1,303	1	3,744	3	4,452	3	5,781,145	10.3	13,380
Shelby	155,347	48.3	7,503,260	148,934	96	630	0	886	1	4,897	3	7,200,018	9.8	6,160
Woodbury	235,299	37.0	8,706,063	219,924	94	3,168	1	2,424	1	9,783	4	8,136,312	8.1	25,456
For District	1,879,729	42.0	79,000,750	1,782,515	94.8	10,569	0.6	29,348	1.6	57,297	3.0	74,958,461	9.0	95,633
Central—														
Boone	144,920	44.8	6,492,416	135,203	93	1,318	1	6,244	4	2,155	2	6,051,165	9.3	12,244
Dallas	151,379	44.4	6,721,228	136,145	90	1,599	1	9,003	6	4,632	3	6,039,011	9.4	15,031
Grundy	117,276	48.5	5,687,886	107,917	92	2,161	2	4,181	4	3,017	2	5,231,813	9.5	20,518
Hamilton	151,102	42.1	6,361,394	139,218	92	1,438	1	6,431	4	4,015	3	5,857,062	9.8	14,150
Hardin	142,574	44.8	6,387,315	126,667	89	3,293	2	7,134	5	5,480	4	5,678,087	9.1	29,867
Jasper	165,516	47.1	7,795,804	152,539	92	1,418	1	7,513	5	4,046	2	7,181,019	9.3	13,203
Marshall	131,761	47.8	6,298,176	121,221	92	2,614	2	3,798	3	4,128	3	5,800,206	9.8	25,693
Polk	123,287	44.8	5,523,258	116,313	94	1,484	1	3,383	3	2,107	2	5,213,097	10.6	15,742
Poweshiek	126,105	47.4	5,977,377	115,597	92	1,242	1	5,605	4	3,661	3	5,478,735	9.7	12,089
Story	159,356	46.2	7,362,247	149,528	94	2,488	1	4,625	5	2,715	2	6,912,920	9.8	24,435
Tama	141,517	47.5	6,722,058	132,534	94	3,292	2	2,454	2	3,237	2	6,289,577	9.3	30,599
Webster	172,195	45.0	7,748,775	165,853	96	1,720	1	2,080	1	2,542	2	7,468,169	9.1	15,714
For District	1,726,988	45.8	79,077,934	1,598,735	92.6	24,067	1.4	62,451	3.6	41,735	2.4	73,200,861	9.5	229,285

TABLE NO. 2—Continued

Districts and Counties	Total Crop			Utilization										
	Acres	Average Per Acre	Total Production	Husked or Snapped for Grain		Cut for Silage		Cut for Fodder		Hogged Down or Grazed Off		Husked for Grain	Silage Put Up	
	Number	Bu.	Bushels	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Bushels	Tons Per Acre	Total Tons
East Central—														
Benton	156,727	48.4	7,585,587	143,579	92	4,055	2	4,750	3	4,343	3	6,942,338	9.5	38,656
Cedar	113,910	55.4	6,310,614	105,622	93	1,281	1	3,792	3	3,215	3	5,854,884	10.4	13,302
Clinton	139,417	50.8	7,082,384	130,070	93	2,258	2	4,189	3	2,900	2	6,609,301	9.6	21,719
Iowa	106,601	49.7	5,298,670	97,887	92	2,590	2	2,399	2	3,725	4	4,864,620	10.8	27,862
Jackson	73,074	45.3	3,310,252	64,339	88	2,243	3	4,145	6	2,347	3	2,911,940	9.6	21,440
Johnson	111,197	49.7	5,526,491	103,536	93	1,177	1	2,836	3	3,648	3	5,141,751	11.5	13,550
Jones	94,104	50.1	4,714,610	79,410	84	4,364	5	7,906	8	2,424	3	3,980,692	9.9	43,321
Linn	135,345	46.1	6,239,404	112,961	83	4,748	4	14,016	10	3,620	3	5,211,844	10.1	47,986
Muscatine	79,295	48.9	3,877,526	72,883	92	1,363	2	3,180	4	1,869	2	3,562,665	10.1	13,816
Scott	83,842	56.2	4,711,920	78,375	94	2,024	2	1,504	2	1,939	2	4,406,387	11.0	22,269
For District	1,093,512	50.0	54,656,858	988,662	90.4	26,103	2.4	48,717	4.5	30,030	2.7	49,486,422	10.1	263,921
Southwest—														
Adair	123,975	43.0	5,330,925	114,243	92	1,057	1	3,273	3	5,402	4	4,910,027	8.5	9,002
Adams	91,145	40.4	3,682,258	84,165	92	396	1	5,738	4	2,846	3	3,396,152	8.9	3,510
Cass	131,739	45.1	5,941,429	122,855	93	1,018	1	1,977	2	5,889	4	3,542,784	9.8	9,930
Fremont	163,554	43.8	7,163,665	159,558	98	111	0	407	0	3,478	2	6,987,619	9.5	1,050
Mills	126,684	42.9	5,434,744	123,078	97	331	0	853	1	2,422	2	5,283,109	8.7	2,880
Montgomery	112,228	46.9	5,263,493	107,067	96	378	0	1,051	1	3,732	3	5,017,834	9.5	3,575
Page	137,837	46.4	6,395,637	130,228	94	529	0	2,088	2	4,992	4	6,043,466	8.4	4,427
Pottawattamie	259,501	44.4	11,521,844	248,866	96	987	0	2,134	1	7,514	3	11,061,552	9.0	8,834
Taylor	111,366	38.5	4,287,591	104,430	94	406	0	3,267	3	3,263	3	4,015,347	8.2	3,345
For District	1,258,029	43.7	55,021,586	1,194,490	94.9	5,213	0.4	18,788	1.5	39,538	3.2	52,257,890	8.9	46,553
South Central—														
Appanoose	50,200	32.9	1,651,580	46,602	93	204	0	1,854	4	1,540	3	1,532,598	7.7	1,570
Clarke	63,463	34.0	2,157,742	58,705	93	255	0	3,419	5	1,084	2	1,995,409	8.6	2,170
Decatur	68,474	28.3	1,937,814	61,840	90	187	0	5,471	8	976	2	1,751,773	9.1	1,705
Lucas	55,570	34.9	1,939,593	49,012	88	1,243	2	3,063	6	2,252	4	1,710,196	7.5	9,364
Madison	105,492	44.4	4,683,845	95,733	91	1,354	1	4,909	5	3,496	3	4,249,617	9.1	12,384
Marion	107,295	43.6	4,678,062	100,299	94	1,146	1	3,354	3	2,496	2	4,375,061	8.2	9,383
Monroe	50,561	35.2	1,779,747	45,881	91	480	1	3,115	6	1,085	2	1,615,696	8.7	4,171
Ringgold	88,770	32.5	2,885,025	79,417	89	719	1	5,953	7	2,681	3	2,582,175	8.1	5,805
Union	76,159	40.1	3,053,976	67,496	89	1,012	1	5,362	7	2,289	3	2,708,211	8.8	8,855
Warren	103,510	41.9	4,337,069	94,744	91	1,594	2	3,422	3	3,750	4	3,967,177	8.9	14,250
Wayne	75,172	30.3	2,277,712	69,656	93	356	0	2,789	4	2,371	3	2,112,066	8.4	2,988
For District	844,666	37.2	31,381,965	769,385	91.1	8,550	1.0	42,711	5.1	24,020	2.8	28,601,979	8.5	72,645
Southeast—														
Davis	51,795	32.0	1,657,440	47,965	93	219	0	2,888	6	723	1	1,535,556	8.4	1,850
Des Moines	71,697	48.8	3,498,814	67,559	94	778	1	1,309	2	2,051	3	3,299,460	10.0	7,750
Henry	76,769	49.5	3,800,066	71,995	94	422	0	2,202	3	2,150	3	3,560,470	10.2	4,311
Jefferson	69,406	40.9	2,838,705	64,575	93	588	1	2,523	4	1,720	2	2,642,314	7.5	4,435
Keokuk	110,714	45.3	5,015,344	102,485	93	834	1	3,866	3	3,529	3	4,647,255	9.6	8,011
Lee	59,265	38.7	2,293,556	53,599	91	1,270	2	2,028	3	2,368	4	2,072,927	9.1	11,506
Louisa	74,580	48.0	3,579,840	69,744	94	1,049	1	1,918	3	1,869	2	3,349,839	9.0	9,435
Mahaska	120,184	44.3	5,324,151	108,807	90	970	1	5,975	5	4,432	4	4,820,158	9.8	9,525
Van Buren	48,268	35.4	1,708,687	43,784	91	469	1	2,445	5	1,570	3	1,548,158	7.6	3,562
Wapello	62,433	39.3	2,453,617	56,860	91	1,060	2	2,154	3	2,359	4	2,235,136	7.6	8,052
Washington	111,958	51.5	5,765,837	104,604	93	711	1	2,130	2	4,513	4	5,390,135	10.0	7,141
For District	857,069	44.3	37,936,057	791,977	92.4	8,370	1.0	29,438	3.4	27,284	3.2	35,101,408	9.0	75,578
For State	11,720,280	42.7	500,417,407	10,628,334	90.7	247,081	2.1	497,554	4.2	347,311	3.0	454,243,344	9.2	2,269,648

CORN (1932)



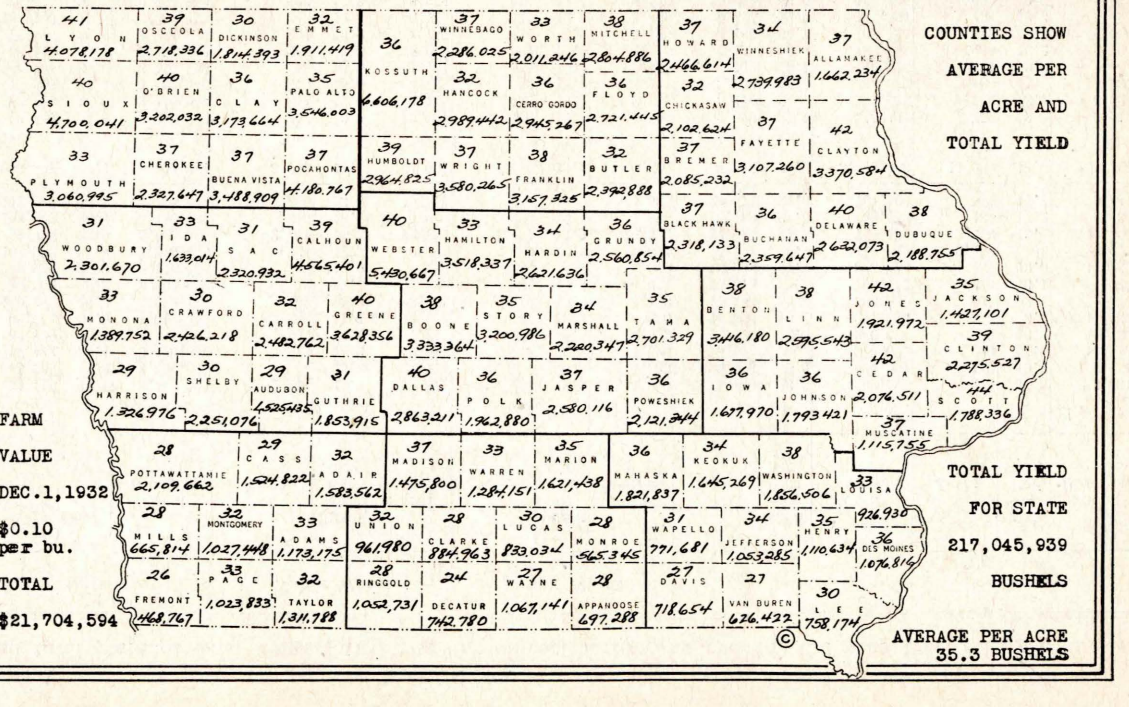
FARM VALUE DEC. 1, 1932 $0.12 per bu. TOTAL $60,050,089

COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

TOTAL YIELD FOR STATE 500,417,407 BUSHELS

AVERAGE PER ACRE 42.7 BUSHELS

OATS (1932)



FARM VALUE DEC. 1, 1932 $0.10 per bu. TOTAL $21,704,594

COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

TOTAL YIELD FOR STATE 217,045,939 BUSHELS

AVERAGE PER ACRE 35.3 BUSHELS

TABLE NO. 3

Acreage, average and total yield of oats, winter wheat, spring wheat, barley and rye, for the year 1932, all by counties.

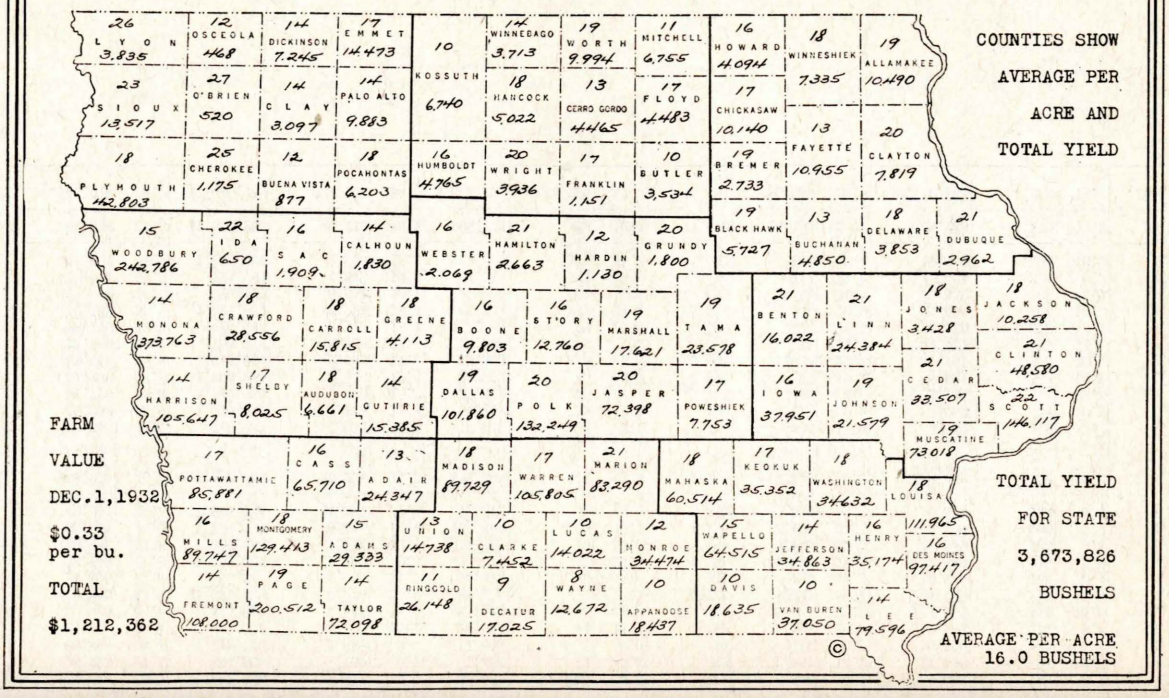
Districts and Counties	Oats			Winter Wheat			Spring Wheat			Barley			Rye		
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels
Northwest—															
Buena Vista	94,115	37.1	3,488,909	74	11.9	877	113	12.2	1,380	8,700	23.3	202,592	248	14.8	3,661
Cherokee	63,235	36.8	2,327,647	47	25.0	1,175	94	16.3	1,530	24,916	25.5	634,301	140	19.7	2,754
Clay	87,122	36.4	3,173,664	218	14.2	3,097	104	16.3	1,696	15,066	25.1	378,005	950	14.2	13,515
Dickinson	52,320	29.9	1,814,393	509	14.2	7,245	300	15.1	4,539	16,870	22.5	380,003	938	16.1	15,136
Emmet	60,754	31.5	1,911,419	832	17.4	14,473	47	18.3	860	11,856	18.4	217,903	1,360	8.7	11,765
Lyon	100,492	40.6	4,078,178	147	26.1	3,835	276	19.8	5,458	17,459	30.7	535,830	531	23.7	12,574
O'Brien	80,202	39.9	3,202,032	19	27.4	520	101	16.5	1,664	25,018	28.3	706,773	230	16.1	3,706
Osceola	69,230	39.3	2,718,336	39	12.0	468	136	16.7	2,268	12,948	27.7	358,428	487	23.0	11,189
Palo Alto	101,952	34.8	3,546,003	724	13.7	9,883	26	20.2	524	5,717	20.7	118,619	2,883	7.2	20,678
Plymouth	92,695	32.9	3,060,995	2,341	18.3	42,803	1,397	11.7	16,292	32,201	24.5	788,137	2,373	19.5	46,306
Pocahontas	113,897	36.7	4,180,767	345	18.0	6,203	132	15.1	1,989	2,723	21.5	58,642	439	12.2	5,234
Sioux	117,293	40.1	4,700,041	588	23.0	13,517	257	18.0	4,633	23,871	29.6	707,400	501	17.7	8,849
For District	1,033,307	37.0	38,202,384	5,883	17.7	104,096	2,983	14.4	42,833	197,345	24.0	5,086,633	11,080	14.0	155,467
North Central—															
Butler	76,046	31.5	2,392,888	357	9.9	3,534	150	13.3	1,999	2,359	20.1	47,441	758	8.2	6,216
Cerro Gordo	82,110	35.9	2,945,267	344	13.0	4,465	128	15.9	2,038	5,476	24.7	135,235	522	13.1	6,825
Floyd	75,325	36.1	2,721,445	270	16.6	4,483	92	12.6	1,163	3,956	22.5	88,861	605	11.5	6,939
Franklin	84,297	37.5	3,157,325	68	16.9	1,151	158	15.2	2,405	6,108	23.1	140,828	371	9.9	3,664
Hancock	92,612	32.3	2,989,442	287	17.5	5,022	159	16.0	2,538	4,245	19.8	83,959	229	12.2	2,796
Humboldt	76,476	38.8	2,964,825	294	16.2	4,765	114	15.7	1,789	4,409	24.7	108,751	212	9.7	2,050
Kossuth	184,149	35.9	6,606,178	645	10.4	6,749	115	12.5	1,432	5,821	22.6	131,587	433	12.6	5,435
Mitchell	74,470	37.7	2,804,886	626	10.8	6,755	321	14.8	4,747	5,059	26.5	134,145	639	12.5	8,013
Winnebago	61,110	37.4	2,286,025	264	14.1	3,713	73	13.8	1,007	5,064	25.4	128,557	82	10.8	889
Worth	61,734	32.6	2,011,246	514	19.4	9,994	245	14.4	3,538	2,139	24.4	52,119	543	12.1	6,549
Wright	96,617	37.1	3,580,265	200	19.7	3,936	312	13.3	4,145	4,847	20.6	99,812	86	12.4	1,069
For District	964,946	35.7	34,459,792	3,869	14.1	54,558	1,867	14.4	26,801	49,483	23.3	1,151,295	4,480	11.3	50,445

Northeast—															
Allamakee	45,452	36.6	1,662,234	560	18.7	10,490	458	19.6	8,964	8,324	30.3	252,572	527	12.6	6,654
Black Hawk	62,864	36.9	2,318,133	306	18.7	5,727	138	12.1	1,671	5,758	22.4	84,162	1,114	8.8	9,792
Bremer	56,135	37.1	2,085,232	144	19.0	2,733	120	13.8	1,652	1,018	23.1	23,562	266	13.7	3,633
Buchanan	65,450	36.1	2,359,647	373	13.0	4,850	129	16.1	2,071	1,144	23.1	26,371	898	10.1	9,107
Chickasaw	65,043	32.3	2,102,624	602	16.8	10,140	158	12.8	2,029	2,676	21.1	56,251	364	10.0	3,626
Clayton	79,577	42.4	3,370,584	384	20.4	7,819	669	18.7	12,494	6,639	31.4	208,546	856	13.6	11,659
Delaware	64,985	40.5	2,632,073	210	18.3	3,853	272	17.0	4,635	2,622	33.2	87,032	979	11.3	11,062
Dubuque	57,326	38.2	2,188,755	143	20.7	2,962	520	17.6	9,159	3,905	27.7	108,105	136	16.6	2,257
Fayette	83,122	37.4	3,107,260	838	13.1	10,955	258	15.3	3,953	4,151	26.0	108,042	662	13.0	8,601
Howard	66,161	37.3	2,466,614	255	16.1	4,094	253	12.4	3,134	4,348	25.0	108,799	1,261	10.4	13,165
Winneshiek	80,697	34.0	2,739,983	410	17.9	7,335	656	14.0	9,174	11,962	26.3	314,598	322	14.5	4,664
For District	726,812	37.2	27,033,139	4,225	16.8	70,958	3,631	16.2	58,936	50,541	27.3	1,378,040	7,385	11.4	84,220
West Central—															
Audubon	52,558	29.0	1,525,435	361	18.5	6,661	120	15.9	1,905	4,369	19.6	85,532	119	10.7	1,273
Calhoun	116,842	39.1	4,565,401	133	13.8	1,830	37	18.9	698	1,181	19.8	23,392	245	11.4	2,782
Carroll	77,416	32.1	2,482,762	872	18.1	15,815	573	15.0	8,589	6,317	21.3	134,569	45	13.0	585
Crawford	79,858	30.4	2,426,218	1,546	18.5	28,556	1,699	11.5	19,548	12,360	20.2	249,103	298	14.4	4,293
Greene	90,539	40.1	3,628,356	235	17.5	4,113	99	14.8	1,467	1,291	22.9	29,575	150	16.2	2,429
Guthrie	59,921	30.9	1,853,915	1,061	14.5	15,385	107	13.2	1,414	4,138	17.9	74,019	102	12.4	1,267
Harrison	46,285	28.7	1,326,976	7,572	14.0	105,647	7,689	8.8	67,879	2,710	18.7	50,762	336	15.9	5,357
Ida	50,147	32.6	1,633,014	30	21.7	650	42	12.7	533	14,959	18.8	280,534	173	13.0	2,250
Monona	42,266	32.9	1,389,752	26,664	14.0	373,763	5,701	7.8	44,562	5,314	21.2	112,491	252	14.1	3,545
Sac	75,299	30.8	2,320,932	122	15.6	1,909	82	10.9	890	14,946	17.4	260,266	37	12.8	472
Shelby	74,423	30.2	2,251,076	462	17.4	8,025	528	12.6	6,632	6,292	21.4	134,369	191	16.7	3,193
Woodbury	74,335	31.0	2,301,670	16,594	14.6	242,786	485	10.0	4,860	9,812	22.6	221,855	1,083	16.1	17,413
For District	839,889	33.0	27,705,507	55,652	14.5	805,140	17,162	9.2	158,977	83,689	19.8	1,656,467	3,031	14.8	44,859
Central—															
Boone	87,618	38.0	3,333,364	595	16.5	9,803	244	16.8	4,094	1,872	24.2	45,217	30	18.7	560
Dallas	71,963	39.8	2,863,211	5,478	18.6	101,880	130	17.7	2,297	1,757	22.8	40,017	210	13.2	2,768
Grundy	71,945	35.6	2,560,854	91	19.8	1,800	114	19.0	2,152	4,046	23.5	94,935	40	12.1	483
Hamilton	105,546	33.3	3,518,337	129	20.6	2,663	286	12.2	3,475	1,768	22.2	39,201	86	12.4	1,068
Hardin	78,099	33.6	2,621,636	91	12.4	1,130	100	15.4	1,539	4,461	21.8	97,035	189	13.0	2,450
Jasper	70,216	36.7	2,580,116	3,701	19.6	72,398	496	12.6	6,273	4,254	21.4	91,048	208	14.3	2,978
Marshall	64,837	34.2	2,220,347	928	19.0	17,621	281	13.9	3,908	8,727	20.4	178,090	606	12.9	7,835
Polk	54,228	36.2	1,962,880	6,547	20.2	132,249	900	13.9	12,497	1,993	21.2	42,320	308	15.2	4,679
Poweshiek	58,361	36.3	2,121,344	464	16.7	7,753	379	11.8	4,464	2,480	22.7	56,400	90	14.6	1,314
Story	90,315	35.4	3,200,986	890	15.6	12,760	212	15.5	3,285	1,730	19.5	33,672	146	15.4	2,247
Tama	76,283	35.4	2,701,329	1,264	18.7	23,578	365	15.2	5,557	10,343	21.9	226,664	334	12.3	4,105
Webster	136,541	39.8	5,430,667	126	16.4	2,069	248	16.0	3,973	1,411	25.2	35,510	272	16.6	4,522
For District	965,952	36.4	35,115,071	20,234	19.1	385,684	3,755	14.3	53,514	44,842	21.9	980,109	2,519	13.9	35,009

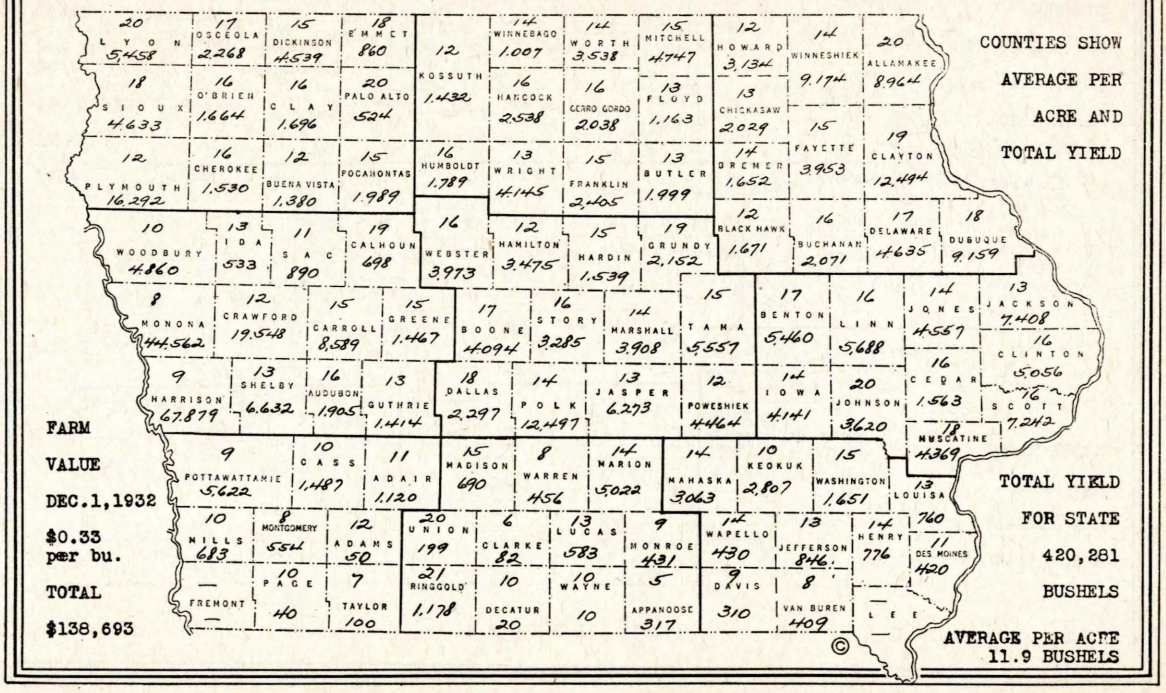
TABLE NO. 3—Continued

Districts and Counties	Oats			Winter Wheat			Spring Wheat			Barley			Rye		
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels
East Central—															
Benton	89,047	38.4	3,416,180	778	20.6	16,022	320	17.1	5,460	9,920	23.2	230,459	495	11.1	5,518
Cedar	49,924	41.6	2,076,511	1,598	21.0	33,507	97	16.1	1,563	7,642	26.6	203,606	379	14.2	5,363
Clinton	58,048	39.2	2,275,527	2,285	21.3	48,580	319	15.8	5,056	7,094	26.6	188,979	406	12.6	5,128
Iowa	46,851	35.8	1,677,970	2,369	16.0	37,951	293	14.1	4,141	4,145	23.1	95,923	154	13.4	2,061
Jackson	40,764	35.0	1,427,101	583	17.6	10,258	590	12.6	7,408	4,085	25.1	102,355	842	11.8	9,914
Johnson	49,902	35.9	1,793,421	1,143	18.9	21,579	183	19.8	3,620	1,717	25.2	43,283	274	12.2	3,330
Jones	46,166	41.6	1,921,972	186	18.4	3,428	336	13.6	4,557	4,726	31.6	149,421	369	12.6	4,639
Linn	67,616	38.4	2,595,543	1,157	21.1	24,384	350	16.3	5,688	3,923	22.1	86,795	803	11.6	9,319
Muscatine	29,931	37.3	1,115,755	3,777	19.3	73,018	250	17.5	4,369	2,295	24.0	55,185	1,086	10.4	11,247
Scott	40,171	44.5	1,788,336	6,803	21.5	146,117	443	16.3	7,242	8,135	29.5	239,623	577	9.1	5,243
For District	518,420	38.7	20,088,316	20,679	20.1	414,844	3,181	15.4	49,104	53,682	26.0	1,395,629	5,385	11.5	61,792
Southwest—															
Adair	49,923	31.7	1,583,562	1,812	13.4	24,347	105	10.7	1,120	3,736	18.7	69,795	148	11.2	1,662
Adams	35,280	33.3	1,173,175	1,997	14.7	29,333	4	12.5	50	1,345	24.3	32,659	162	11.7	1,890
Cass	52,990	28.8	1,524,822	4,068	16.2	65,710	144	10.3	1,487	7,009	17.4	122,261	119	8.9	1,055
Fremont	18,338	25.6	468,767	7,501	14.4	108,000				863	18.9	16,292	228	14.4	3,285
Mills	23,612	28.2	665,814	5,564	16.1	89,747	71	9.6	683	2,705	17.5	47,356	88	17.9	1,576
Montgomery	32,519	31.6	1,027,448	7,254	17.8	129,413	66	8.4	554	2,215	22.8	50,500	88	13.8	1,210
Page	31,298	32.7	1,023,833	10,659	18.8	200,512	4	10.0	40	3,220	23.6	76,052	606	12.1	7,333
Pottawattamie	75,452	28.0	2,109,662	5,037	17.1	85,881	626	9.0	5,622	8,580	17.0	146,103	88	13.4	1,176
Taylor	40,780	32.2	1,311,788	5,233	13.8	72,098	15	6.7	100	1,979	22.9	45,332	328	10.0	3,287
For District	360,192	30.2	10,888,871	49,125	16.4	805,041	1,035	9.3	9,656	31,652	19.2	606,350	1,855	12.1	22,474
South Central—															
Appanoose	24,644	28.3	697,288	1,871	9.9	18,437	65	4.9	317	636	14.2	9,058	142	6.9	986
Clarke	32,234	27.5	884,963	769	9.7	7,452	13	6.3	82	1,366	16.2	22,110	94	9.5	895
Decatur	30,380	24.4	742,780	1,889	9.0	17,025	2	10.0	20	611	10.8	6,620	430	5.3	2,271
Lucas	27,428	30.4	833,034	1,390	10.1	14,022	44	13.3	583	1,565	18.9	29,534	214	9.6	2,065
Madison	39,985	36.9	1,475,800	4,885	18.4	89,729	46	15.0	690	5,191	23.9	124,252	113	14.5	1,641
Marion	46,362	35.0	1,621,438	3,919	21.3	83,290	372	13.5	5,022	2,098	26.1	54,720	219	15.8	3,467
Monroe	20,495	27.6	565,345	2,953	11.7	34,474	48	9.0	431	796	18.9	15,045	162	9.4	1,518
Ringgold	38,149	27.6	1,052,731	2,463	10.6	26,148	57	20.7	1,178	1,032	13.5	13,889	110	5.9	652
Union	30,213	31.8	961,980	1,123	13.1	14,738	10	19.9	199	2,499	19.5	48,619	135	8.3	1,127
Warren	38,952	33.0	1,284,151	6,342	16.7	105,805	59	7.7	456	2,479	21.5	53,390	203	13.7	2,778
Wayne	40,074	26.6	1,067,141	1,621	7.8	12,672	1	10.0	10	869	12.5	10,876	130	6.4	837
For District	368,916	30.3	11,186,651	29,225	14.5	423,792	717	12.5	8,988	19,142	20.3	388,113	1,952	9.3	18,237
Southeast—															
Davis	26,956	26.7	718,654	1,901	9.8	18,635	34	9.1	310	265	14.8	3,933	172	7.9	1,360
Des Moines	30,288	35.6	1,076,816	6,135	15.8	97,417	38	11.1	420	178	20.8	3,702	334	10.8	3,601
Henry	31,729	35.0	1,110,634	2,243	15.7	35,174	55	14.1	776	86	24.6	2,113	26	12.5	323
Jefferson	31,206	33.8	1,053,285	2,570	13.6	34,863	65	13.0	846	276	19.4	5,361	166	10.8	1,786
Keokuk	48,049	34.2	1,645,269	2,083	17.0	35,352	273	10.3	2,807	1,627	22.8	37,157	259	10.2	2,641
Lee	25,569	29.7	758,174	5,908	13.5	79,596				647	13.1	8,471	889	11.3	10,052
Louisa	28,148	32.9	926,930	6,173	18.1	111,965	59	12.9	760	332	24.5	8,135	1,013	9.1	9,203
Mahaska	50,152	36.3	1,821,837	3,294	18.4	60,514	212	14.4	3,063	1,151	20.9	24,006	194	15.5	3,008
Van Buren	23,519	26.6	626,422	3,657	10.1	37,050	51	8.0	409	31	20.5	637	95	7.2	680
Wapello	25,071	30.8	771,681	4,343	14.9	64,515	31	13.9	430	747	21.0	15,664	326	9.3	3,044
Washington	48,957	37.9	1,856,506	1,905	18.2	34,632	111	14.9	1,651	853	22.4	19,069	98	12.7	1,241
For District	369,644	33.5	12,366,208	40,212	15.2	609,713	929	12.3	11,472	6,193	20.7	128,248	3,572	10.5	36,939
For State	6,148,078	35.3	217,045,939	229,104	16.0	3,673,826	35,260	11.9	420,281	536,569	23.8	12,770,884	41,259	12.3	509,442

WINTER WHEAT (1932)



SPRING WHEAT (1932)



BARLEY (1932)

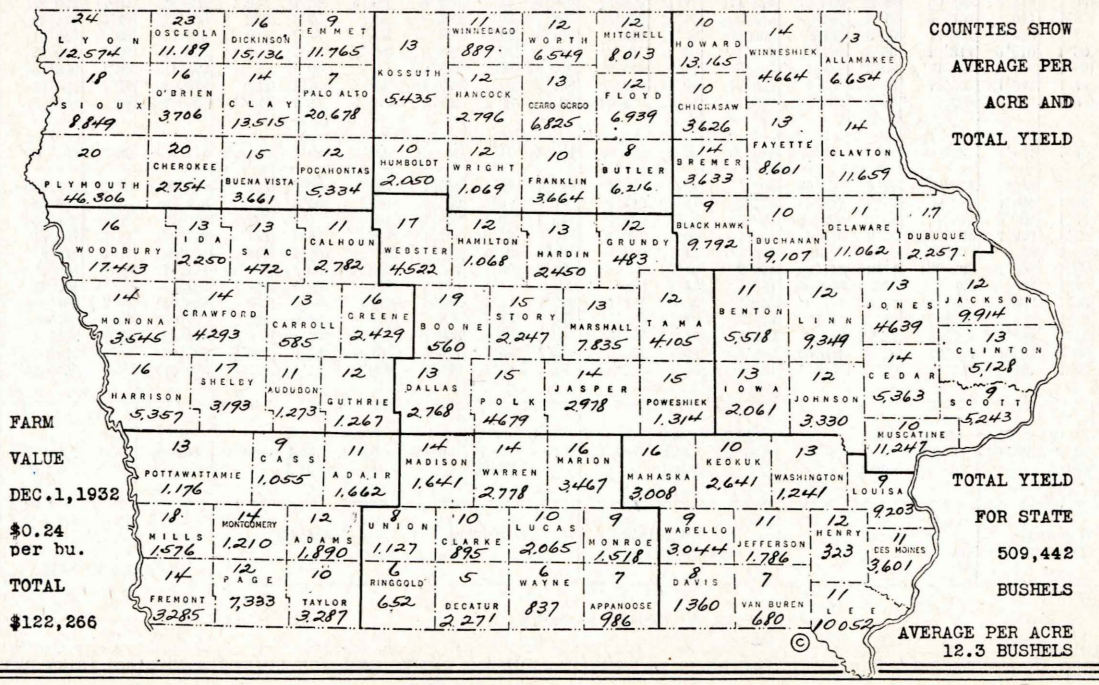
FARM VALUE DEC. 1, 1932
$0.20 per bu.
TOTAL
$2,554,177

COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

TOTAL YIELD FOR STATE 12,770,884 BUSHELS

AVERAGE PER ACRE 23.8 BUSHELS

RYE (1932)



FARM VALUE DEC. 1, 1932
$0.24 per bu.
TOTAL
$122,266

COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

TOTAL YIELD FOR STATE 509,442 BUSHELS

AVERAGE PER ACRE 12.3 BUSHELS

TABLE NO. 4

Acreage, average and total yield of all tame hay and of the leading varieties of tame hay, for the year 1932, all by counties.

Districts and Counties	Hay (All Tame)			Kinds or Varieties of Tame Hay														
				Clover			Timothy			Mixed Clover and Timothy			Alfalfa			All Other Tame Hay		
	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons
Northwest—																		
Buena Vista	19,176	2.59	49,673	2,145	1.71	3,668	1,346	1.28	1,723	2,774	1.72	4,771	11,424	3.25	37,128	1,487	1.60	2,383
Cherokee	19,076	2.03	38,792	2,987	1.74	5,197	2,261	1.21	2,736	2,877	1.67	4,805	9,684	2.52	24,404	1,267	1.30	1,650
Clay	15,186	2.14	32,448	896	1.59	1,425	1,392	0.93	1,295	2,988	1.40	4,183	8,123	2.77	22,501	1,787	1.70	3,044
Dickinson	9,459	2.16	20,418	154	0.94	145	836	1.11	928	1,896	1.40	2,654	5,717	2.75	15,722	856	1.13	969
Emmet	10,263	2.03	20,812	322	0.99	319	1,207	1.11	1,340	1,561	0.92	1,427	6,238	2.55	15,907	945	1.92	1,819
Lyon	15,198	2.12	32,157	135	1.29	174	599	1.11	665	826	1.24	1,024	12,696	2.23	28,947	942	1.43	1,347
O'Brien	17,593	2.39	42,134	1,424	1.64	2,335	1,794	1.36	2,440	3,804	1.75	6,657	9,173	3.14	28,803	1,398	1.36	1,899
Osceola	9,916	2.11	20,901	355	1.36	483	1,180	1.06	1,251	1,235	1.38	1,704	6,378	2.58	16,455	768	1.31	1,008
Palo Alto	12,921	2.31	29,853	443	1.24	549	1,400	0.73	1,022	1,561	1.00	1,561	8,216	3.00	24,648	1,301	1.59	2,073
Plymouth	28,485	1.81	51,571	659	1.41	929	1,878	1.05	1,972	1,896	1.24	2,351	21,653	1.98	42,873	2,397	1.44	3,446
Pocahontas	14,635	2.42	35,472	471	1.70	801	1,726	1.35	2,330	1,490	1.84	2,742	9,858	2.85	28,095	1,090	1.38	1,504
Sioux	24,158	2.35	56,883	772	2.00	1,544	1,071	1.44	1,542	1,408	1.78	2,506	20,304	2.48	50,354	603	1.55	937
For District	196,064	2.30	431,114	10,763	1.63	17,569	16,690	1.15	19,244	24,306	1.50	36,385	129,464	2.59	335,837	14,841	1.49	22,079
North Central—																		
Butler	27,334	1.68	45,961	1,032	1.88	1,940	7,197	1.46	10,508	12,856	1.70	21,855	2,494	2.81	7,008	3,755	1.24	4.650
Cerro Gordo	24,257	1.44	35,034	337	1.56	526	5,309	1.06	5,628	9,968	1.30	12,958	4,298	2.54	10,907	4,345	1.47	5,015
Floyd	24,936	1.53	38,145	59	1.60	94	13,348	1.35	18,020	6,549	1.46	9,562	1,565	3.09	4,836	3,415	1.65	5,633
Franklin	22,617	1.68	37,918	1,025	1.60	1,640	6,891	1.26	8,683	7,736	1.45	11,217	4,755	2.80	13,314	2,210	1.39	3 064
Hancock	19,974	1.65	32,877	649	1.22	792	2,215	0.96	2,126	9,209	1.26	11,603	5,435	2.70	14,675	2,466	1.49	3,681
Humboldt	13,540	2.45	33,239	333	1.52	506	713	0.93	663	2,795	1.16	3,242	8,728	3.15	27,493	971	1.37	1,335
Kossuth	28,098	2.07	58,297	1,028	2.19	2,251	2,610	0.77	2,010	7,856	1.43	11,234	13,896	2.84	39,465	2,708	1.23	3,337
Mitchell	26,227	1.46	38,388	117	1.62	190	14,980	1.36	20,373	6,651	1.56	10,376	980	2.95	2,891	3,499	1.30	4,558
Winnebago	16,358	2.20	35,914	427	1.63	696	2,328	1.17	2,724	4,548	1.64	7,459	7,096	3.14	22,281	1,959	1.41	2,754
Worth	18,966	1.71	32,368	317	1.62	514	5,971	1.52	9,076	8,735	1.59	13,889	2,161	2.97	6,418	1,782	1.39	2,471
Wright	14,606	1.93	28,161	468	1.42	665	2,451	1.02	2,500	3,109	1.45	4,508	6,596	2.70	17,809	1,982	1.35	2,679
For District	236,913	1.76	416,302	5,792	1.69	9,814	64,013	1.29	82,311	80,012	1.47	117,903	58,004	2.88	167,097	29,092	1.35	39,17

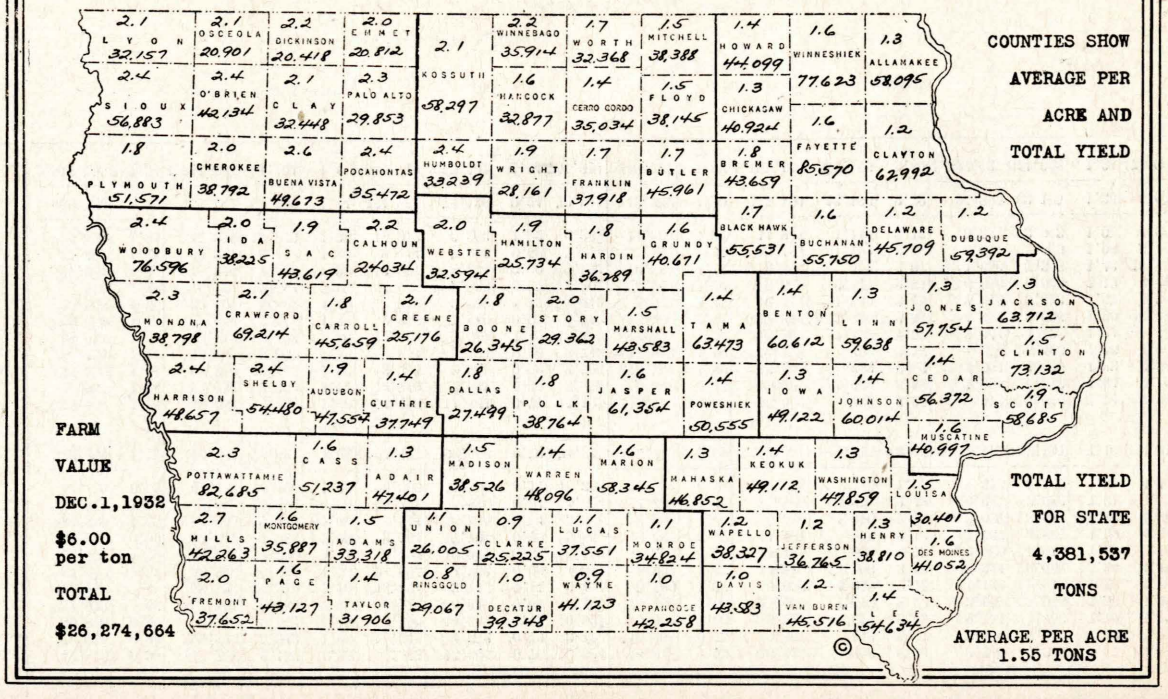
Northeast—																		
Allamakee	44,703	1.30	58,095	1,262	1.54	1,943	20,466	1.03	21,080	20,652	1.40	28,913	1,708	3.25	5,551	615	0.99	608
Black Hawk	33,400	1.66	55,531	2,767	1.78	4,925	8,787	0.97	8,523	11,892	1.50	17,838	3,354	3.25	10,900	6,600	2.02	13,345
Bremer	24,403	1.79	43,659	2,870	1.74	4,994	4,377	1.23	5,384	9,757	1.85	18,050	2,298	3.11	7,147	5,101	1.58	8,084
Buchanan	34,288	1.63	55,750	426	2.00	852	11,814	1.44	17,012	15,306	1.70	26,020	655	3.25	2,129	6,087	1.60	9,737
Chickasaw	32,013	1.28	40,924	743	1.43	1,062	5,035	1.00	5,035	21,991	1.32	29,028	663	2.63	1,744	3,581	1.13	4,055
Clayton	52,143	1.21	62,992	1,209	1.45	1,753	27,888	1.01	28,167	16,926	1.20	20,311	3,606	2.92	10,530	2,514	0.89	2,231
Delaware	38,899	1.18	45,709	832	1.26	1,048	18,978	1.03	19,547	11,180	1.10	12,298	1,612	2.54	4,094	6,297	1.39	8,722
Dubuque	50,531	1.18	59,392	1,472	1.06	1,560	19,779	0.94	18,592	24,337	1.18	28,718	2,114	3.25	6,870	2,829	1.29	3,652
Fayette	53,678	1.59	85,570	702	1.47	1,032	17,108	1.30	22,240	25,003	1.70	42,505	1,493	2.93	4,374	9,372	1.65	15,419
Howard	32,544	1.36	44,099	91	1.48	135	11,481	1.09	12,514	13,670	1.34	18,318	923	3.25	3,000	6,379	1.59	10,132
Winneshiek	49,446	1.57	77,623	1,464	1.67	2,445	10,363	1.12	11,607	31,710	1.50	47,565	4,780	3.03	14,483	1,129	1.35	1,523
For District	446,048	1.41	629,344	13,838	1.57	21,749	156,076	1.09	169,701	202,424	1.43	289,564	23,206	3.05	70,822	50,504	1.53	77,508
West Central—																		
Audubon	24,559	1.94	47,554	3,111	1.80	5,600	4,928	1.09	5,372	7,231	1.52	10,991	7,798	2.94	22,926	1,491	1.79	2,665
Calhoun	10,864	2.21	24,034	731	1.64	1,199	1,245	1.21	1,506	2,019	1.67	3,372	6,258	2.75	17,210	611	1.22	747
Carroll	25,058	1.82	45,659	4,971	1.60	7,954	3,573	0.97	3,466	7,693	1.40	10,770	7,811	2.73	21,715	1,010	1.74	1,754
Crawford	32,558	2.13	69,214	4,637	1.54	7,141	5,970	1.20	7,164	6,098	1.52	9,269	13,474	3.11	41,904	2,379	1.57	3,736
Greene	11,886	2.12	25,176	634	1.60	1,014	1,725	1.08	1,863	1,147	1.30	1,491	6,127	2.90	17,768	2,253	1.35	3,040
Guthrie	26,172	1.44	37,749	6,449	1.38	8,900	3,925	0.95	3,729	9,280	1.30	12,064	3,979	2.50	9,948	2,539	1.22	3,108
Harrison	20,347	2.39	48,657	162	1.74	282	157	1.53	240	258	1.74	449	13,501	2.90	39,153	6,289	1.36	8,533
Ida	18,765	2.04	38,225	3,010	1.52	4,575	2,595	1.01	2,621	4,484	1.36	6,098	7,913	3.00	23,739	763	1.56	1,192
Monona	17,179	2.26	38,798	20	2.24	45	383	1.48	567	407	1.53	623	12,449	2.60	32,367	3,920	1.33	5,196
Sac	22,970	1.90	43,619	6,815	1.66	11,313	3,078	1.22	3,755	4,386	1.47	6,447	7,738	2.68	20,738	953	1.44	1,366
Shelby	23,125	2.36	54,480	2,561	1.24	3,176	2,044	1.03	2,105	2,599	1.51	3,924	13,298	3.13	41,623	2,623	1.39	3,652
Woodbury	32,115	2.39	76,596	357	1.64	585	639	1.09	697	1,472	1.57	2,311	23,890	2.70	64,503	5,757	1.48	8,500
For District	265,598	2.07	549,761	33,458	1.55	51,784	30,262	1.09	33,085	47,074	1.44	67,809	124,236	2.85	353,594	30,568	1.42	43,489
Central—																		
Boone	14,540	1.81	26,345	991	1.38	1,368	1,947	1.04	2,025	1,993	1.32	2,631	6,647	2.50	16,618	2,962	1.25	3,703
Dallas	15,018	1.83	27,499	3,011	1.08	3,252	1,456	0.83	1,208	1,495	1.24	1,854	5,791	3.00	17,373	3,265	1.17	3,812
Grundy	25,564	1.59	40,671	2,410	1.56	3,760	4,231	1.27	5,374	14,111	1.54	21,731	1,226	2.67	3,273	3,586	1.82	6,533
Hamilton	13,413	1.92	25,734	829	1.55	1,285	1,279	1.13	1,445	3,203	1.34	4,292	6,424	2.57	16,510	1,678	1.31	2,202
Hardin	20,028	1.81	36,289	1,145	1.57	1,798	3,333	1.41	4,700	8,341	1.51	12,595	5,000	2.78	13,900	2,209	1.49	3,296
Jasper	37,663	1.63	61,354	18,258	1.61	29,396	3,889	1.05	4,031	6,430	1.40	9,002	5,633	2.60	14,646	3,503	1.22	4,279
Marshall	29,575	1.47	43,583	6,503	1.54	10,015	7,065	0.97	6,853	7,288	1.43	10,422	4,491	2.67	11,991	4,228	1.02	4,302
Polk	20,918	1.85	38,764	3,688	1.63	6,011	2,257	0.87	1,964	2,752	1.42	3,908	7,134	2.78	19,833	5,087	1.39	7,048
Poweshiek	35,481	1.42	50,555	9,449	1.34	12,662	8,461	1.30	10,999	13,103	1.37	17,951	2,470	2.54	6,274	1,998	1.34	2,669
Story	14,572	2.01	29,362	910	1.70	1,547	1,918	1.42	2,724	3,194	1.51	4,823	5,603	2.70	15,371	2,857	1.71	4,897
Tama	43,801	1.45	63,473	4,889	1.50	7,334	19,201	1.09	20,929	11,437	1.29	14,754	4,015	3.53	14,173	4,259	1.48	6,283
Webster	15,903	2.05	32,594	538	1.40	753	1,835	0.90	1,652	2,644	1.25	3,305	8,763	2.80	24,536	2,123	1.11	2,348
For District	286,476	1.66	476,223	52,621	1.50	79,181	56,822	1.12	63,904	75,991	1.41	107,268	63,287	2.76	174,498	37,755	1.36	51,372

TABLE NO. 4—Continued

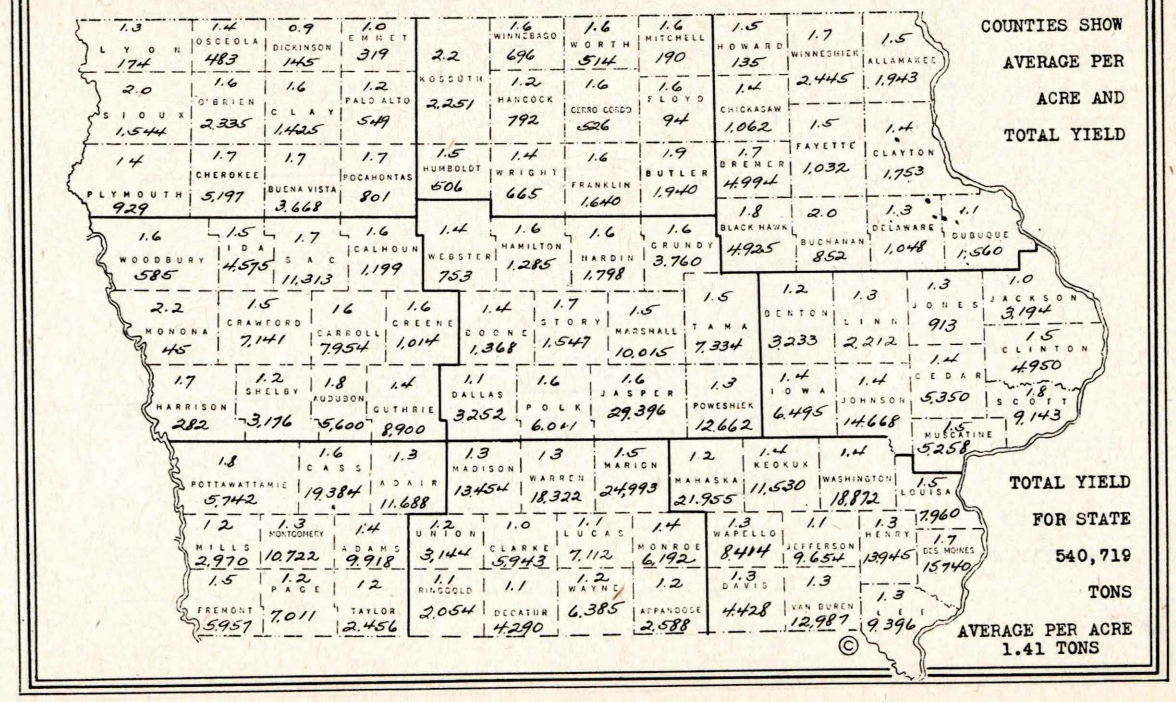
Districts and Counties	Hay (All Tame)			Kinds or Varieties of Tame Hay													
				Clover			Timothy			Mixed Clover and Timothy			Alfalfa			All Other Tame Hay		
	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons
East Central—																		
Benton	43,764	1.38	60,612	2,607	1.24	3,233	14,587	0.97	14,149	16,153	1.30	20,999	2,916	3.65	10,643	7,501	1.54	11,588
Cedar	41,310	1.36	56,372	3,905	1.37	5,350	15,019	0.98	14,719	17,537	1.37	24,026	2,300	3.70	8,510	2,549	1.48	3,767
Clinton	48,071	1.52	73,132	3,322	1.49	4,950	19,939	1.22	24,326	17,877	1.52	27,173	4,987	2.90	14,462	1,946	1.14	2,221
Iowa	37,894	1.31	49,122	4,776	1.36	6,495	13,917	1.05	14,613	15,430	1.33	20,522	1,172	3.50	4,102	2,299	1.47	3,390
Jackson	50,719	1.26	63,712	3,194	1.00	3,194	20,186	0.82	16,553	18,039	1.13	20,384	7,663	2.90	22,223	1,637	0.83	1,358
Johnson	43,653	1.37	60,014	10,186	1.44	14,668	8,930	0.94	8,394	21,300	1.45	30,885	1,402	2.58	3,617	1,835	1.34	2,450
Jones	43,092	1.34	57,754	702	1.30	913	25,196	1.16	29,227	10,314	1.25	12,892	3,469	2.92	10,129	3,411	1.35	4,593
Linn	45,221	1.32	59,638	1,663	1.33	2,212	17,244	0.97	16,727	15,072	1.12	16,881	3,307	3.60	11,905	7,935	1.50	11,913
Muscatine	26,157	1.57	40,997	3,459	1.52	5,258	5,737	1.09	6,253	9,283	1.36	12,625	3,519	3.06	10,768	4,159	1.47	6,093
Scott	30,976	1.89	58,685	4,942	1.85	9,143	7,224	1.39	10,041	9,883	1.56	15,417	6,255	3.21	20,078	2,672	1.50	4,006
For District	410,557	1.41	580,038	38,756	1.43	55,416	147,979	1.05	155,002	150,888	1.34	201,804	36,999	3.15	116,437	35,944	1.43	51,379
Southwest—																		
Adair	35,363	1.34	47,401	8,991	1.30	11,688	5,521	0.92	5,079	13,792	1.24	17,102	3,532	2.56	9,042	3,527	1.27	4,490
Adams	22,303	1.49	33,318	7,293	1.36	9,918	3,451	0.90	3,106	4,749	1.29	6,126	3,466	2.86	9,913	3,344	1.27	4,255
Cass	31,701	1.62	51,237	12,506	1.55	19,384	4,439	0.93	4,128	8,449	1.37	11,575	4,653	3.00	13,959	1,654	1.32	2,191
Fremont	19,200	1.96	37,652	4,080	1.46	5,957	1,626	1.13	1,837	667	1.62	1,081	8,176	2.69	21,993	4,651	1.46	6,784
Mills	15,411	2.74	42,263	2,395	1.24	2,970	1,076	1.23	1,323	637	1.50	956	9,675	3.55	34,346	1,628	1.64	2,668
Montgomery	22,139	1.62	35,887	8,248	1.30	10,722	2,530	1.08	2,732	1,860	1.25	2,325	6,616	2.56	16,937	2,885	1.10	3,171
Page	26,579	1.62	43,127	5,609	1.25	7,011	5,375	1.01	5,429	3,715	1.33	4,941	7,201	2.84	20,451	4,679	1.13	5,295
Pottawattamie	35,959	2.30	82,685	3,155	1.82	5,742	1,434	1.03	1,477	2,245	1.40	3,143	23,780	2.72	64,682	5,345	1.43	7,641
Taylor	23,327	1.37	31,906	1,981	1.24	2,456	9,089	0.90	8,180	4,382	1.22	5,346	1,736	3.08	5,347	6,139	1.72	10,577
For District	231,982	1.75	405,476	54,258	1.40	75,848	34,541	0.96	33,291	40,496	1.30	52,595	68,835	2.86	196,670	33,852	1.39	47,072

South Central—																		
Appanoose	42,876	0.99	42,258	2,157	1.20	2,588	15,606	0.70	10,924	16,844	1.00	16,844	896	2.50	2,240	7,373	1.31	9,662
Clarke	29,355	0.86	25,225	5,943	1.00	5,943	4,372	0.73	3,192	16,268	0.75	12,201	772	2.37	1,830	2,000	1.03	2,059
Decatur	39,876	0.99	39,348	3,972	1.08	4,290	14,561	0.75	10,921	15,309	1.06	16,228	878	2.45	2,151	5,156	1.12	5,758
Lucas	34,822	1.08	37,551	6,465	1.10	7,112	6,215	0.87	5,407	15,469	1.00	15,469	1,615	2.23	3,601	5,058	1.18	5,962
Madison	25,780	1.49	38,526	10,349	1.30	13,454	3,145	1.11	3,491	5,269	1.27	6,692	4,059	2.75	11,162	2,958	1.29	3,727
Marion	37,572	1.55	58,345	16,662	1.50	24,993	4,803	0.96	4,611	8,852	1.27	11,242	4,193	3.18	13,334	3,062	1.36	4,165
Monroe	31,793	1.10	34,824	4,300	1.44	6,192	10,901	0.84	9,157	10,635	1.08	11,486	938	2.75	2,580	5,019	1.08	5,409
Ringgold	34,037	0.85	29,067	1,884	1.09	2,054	7,701	0.76	5,853	18,767	0.77	14,451	818	2.16	1,767	4,867	1.02	4,942
Union	23,889	1.09	26,005	2,687	1.17	3,144	6,585	0.84	5,531	9,959	1.00	9,959	1,070	2.81	3,007	3,588	1.22	4,364
Warren	34,849	1.38	48,096	14,094	1.30	18,322	5,249	0.94	4,934	7,612	1.43	10,885	4,251	2.42	10,287	3,643	1.01	3,668
Wayne	44,455	0.93	41,123	5,108	1.25	6,385	14,550	0.71	10,330	18,785	0.91	17,094	425	1.92	816	5,587	1.16	6,498
For District	379,304	1.11	420,368	73,621	1.28	94,477	93,688	0.79	74,351	143,769	0.99	142,551	19,915	2.65	52,775	48,311	1.16	56,214
Southeast—																		
Davis	43,467	1.00	43,583	3,406	1.30	4,428	14,464	0.77	11,137	18,149	1.05	19,056	432	2.25	972	7,016	1.14	7,990
Des Moines	24,987	1.64	41,052	9,259	1.70	15,740	2,641	1.24	3,275	6,591	1.45	9,557	1,620	3.08	4,990	4,876	1.54	7,490
Henry	29,559	1.31	38,810	10,485	1.33	13,945	2,909	0.93	2,705	10,704	1.29	13,808	682	2.92	1,991	4,779	1.33	6,361
Jefferson	31,454	1.17	36,765	8,939	1.08	9,654	7,494	0.90	6,745	11,213	1.26	14,128	402	3.17	1,274	3,406	1.46	4,964
Keokuk	36,015	1.36	49,112	8,478	1.36	11,530	9,089	1.12	10,180	12,598	1.45	18,267	1,418	2.57	3,644	4,432	1.24	5,491
Lee	38,090	1.43	54,634	7,118	1.32	9,396	7,480	0.93	6,956	12,600	1.37	17,262	1,895	2.55	4,832	8,997	1.80	16,188
Louisa	20,266	1.50	30,401	5,307	1.50	7,960	3,229	1.13	3,649	6,977	1.45	10,117	1,110	2.65	2,942	3,643	1.57	5,733
Mahaska	36,579	1.28	46,852	17,564	1.25	21,955	4,830	0.87	4,202	4,764	1.19	5,669	2,515	2.71	6,816	6,906	1.19	8,210
Van Buren	37,264	1.22	45,516	9,990	1.30	12,987	8,804	0.90	7,924	10,585	1.18	12,490	577	2.87	1,656	7,308	1.43	10,459
Wapello	31,480	1.22	38,327	6,472	1.30	8,414	7,933	0.98	7,774	7,782	1.34	10,428	1,424	2.28	3,247	7,869	1.08	8,464
Washington	36,623	1.31	47,859	13,979	1.35	18,872	6,263	1.02	6,388	11,304	1.31	14,808	1,114	3.17	3,531	3,963	1.07	4,260
For District	365,784	1.29	472,911	100,997	1.34	134,881	75,136	0.94	70,935	113,287	1.29	145,590	13,189	2.72	35,895	63,195	1.35	85,610
For State	2,818,726	1.55	4,381,537	384,104	1.41	540,719	675,207	1.04	701,824	878,227	1.32	1,161,469	537,726	2.80	1,503,625	344,062	1.38	473,900

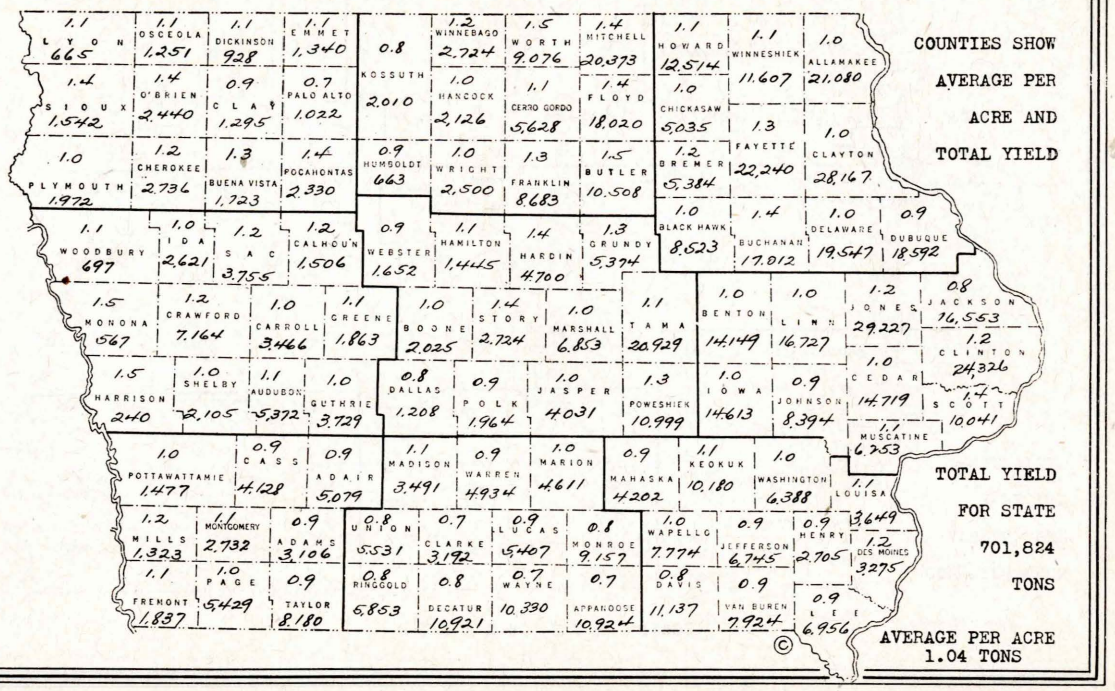
ALL TAME HAY (1932)



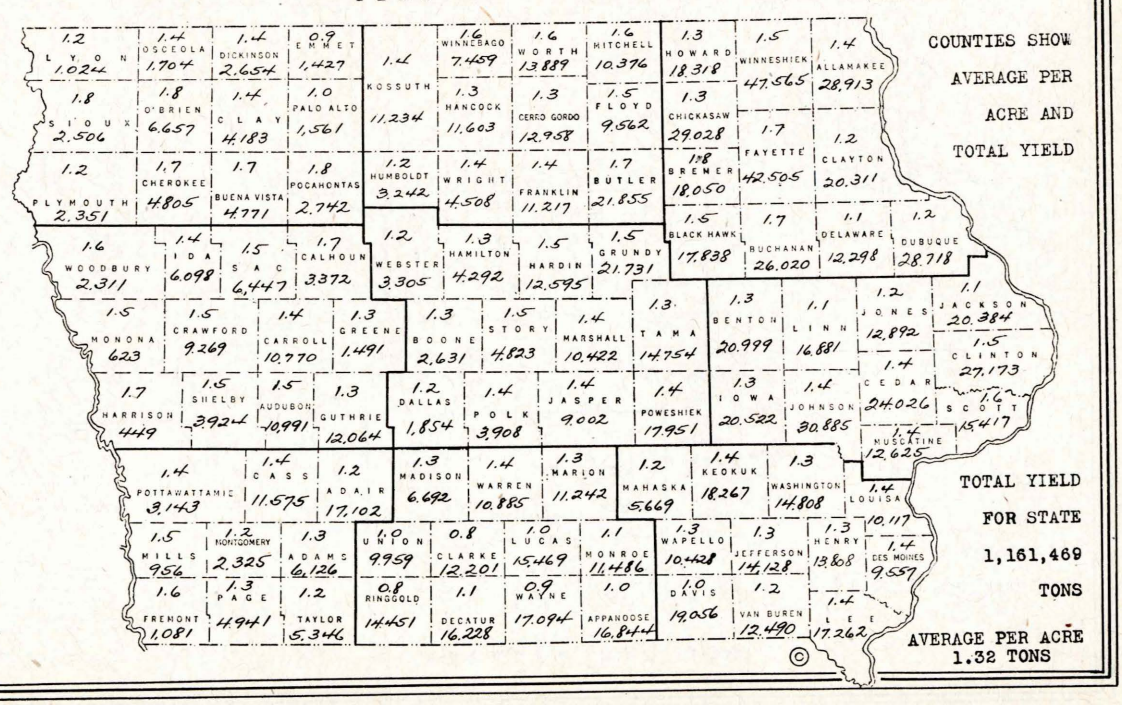
CLOVER HAY (1932)



TIMOTHY HAY (1932)



MIXED CLOVER AND TIMOTHY HAY (1932)



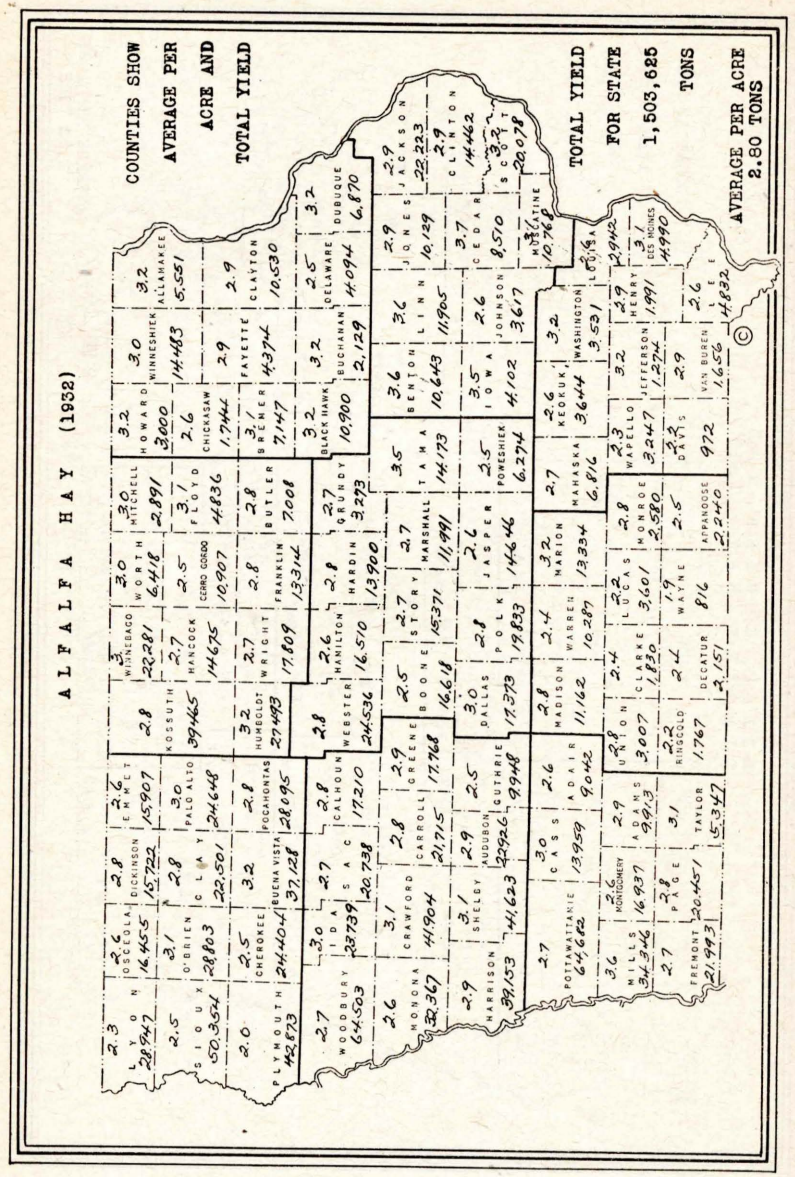
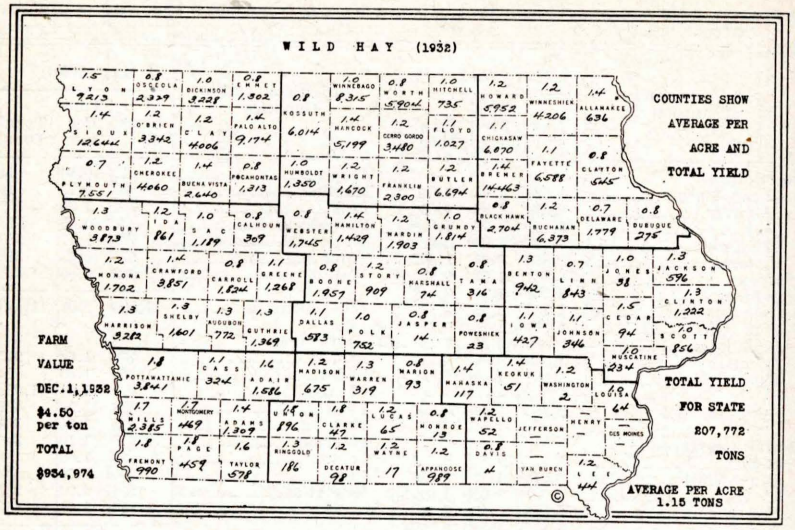
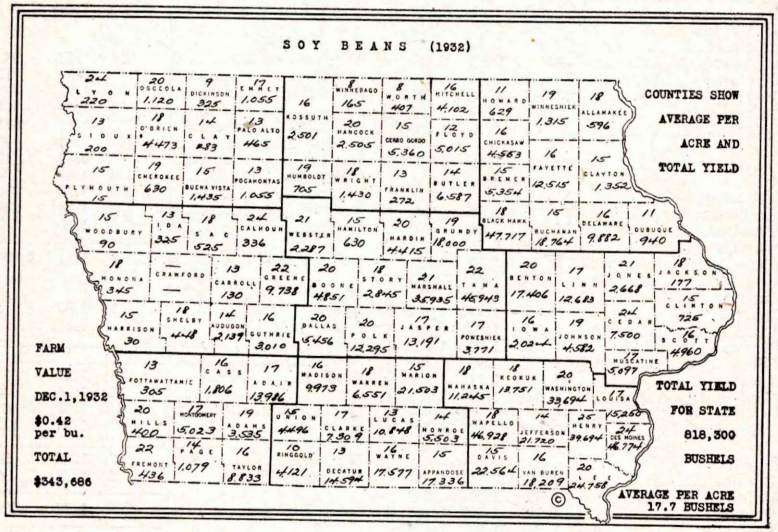


TABLE NO. 5

Acreage, average and total yield of wild hay, for the year 1932, by counties.

Districts and Counties	Hay (Wild)		
	Acres	Tons Per Acre	Total Tons
Northwest—			
Buena Vista	1,821	1.45	2,640
Cherokee	3,328	1.22	4,060
Clay	3,257	1.23	4,006
Dickinson	3,228	1.00	3,228
Emmet	1,550	0.84	1,302
Lyon	6,101	1.51	9,213
O'Brien	2,906	1.15	3,342
Osceola	3,105	0.75	2,329
Palo Alto	6,327	1.45	9,174
Plymouth	10,488	0.72	7,551
Pocahontas	1,545	0.85	1,313
Sioux	8,904	1.42	12,644
For District	52,560	1.16	60,802
North Central—			
Butler	5,721	1.17	6,694
Cerro Gordo	2,974	1.17	3,480
Floyd	951	1.08	1,027
Franklin	1,885	1.22	2,300
Hancock	3,851	1.35	5,199
Humboldt	1,350	1.00	1,350
Kossuth	7,160	0.84	6,014
Mitchell	766	0.96	735
Winnebago	7,919	1.05	8,315
Worth	7,028	0.84	5,904
Wright	1,427	1.17	1,670
For District	41,032	1.04	42,688
Northeast—			
Allamakee	471	1.35	636
Black Hawk	3,219	0.84	2,704
Bremer	10,331	1.40	14,463
Buchanan	5,447	1.17	6,373
Chickasaw	5,518	1.10	6,070
Clayton	649	0.84	545
Delaware	2,471	0.72	1,779
Dubuque	344	0.80	275
Fayette	6,044	1.09	6,588
Howard	4,879	1.22	5,952
Winneshiek	3,595	1.17	4,206
For District	42,968	1.15	49,591
West Central—			
Audubon	576	1.34	772
Calhoun	368	0.84	309
Carroll	2,146	0.85	1,824
Crawford	2,751	1.40	3,851
Greene	1,163	1.09	1,268
Guthrie	1,022	1.34	1,369
Harrison	2,449	1.34	3,282
Ida	689	1.25	861
Monona	1,395	1.22	1,702
Sac	1,239	0.96	1,189
Shelby	1,195	1.34	1,601
Woodbury	2,890	1.34	3,873
For District	17,883	1.22	21,901
Central—			
Boone	2,330	0.84	1,957
Dallas	530	1.10	583
Grundy	1,814	1.00	1,814
Hamilton	1,028	1.39	1,429
Hardin	1,560	1.22	1,903
Jasper	17	0.84	14
Marshall	99	0.75	74
Polk	752	1.00	752
Poweshiek	27	0.85	23
Story	777	1.17	909
Tama	372	0.85	316
Webster	2,053	0.85	1,745
For District	11,359	1.01	11,519
East Central—			
Benton	703	1.34	942
Cedar	63	1.50	94
Clinton	912	1.34	1,222
Iowa	388	1.10	427
Jackson	445	1.34	596
Johnson	315	1.10	346
Jones	38	1.00	38
Linn	1,204	0.70	843
Muscatine	234	1.00	234
Scott	856	1.00	856
For District	5,158	1.09	5,598
Southwest—			
Adair	991	1.60	1,586
Adams	903	1.45	1,309
Cass	295	1.10	324
Fremont	535	1.85	990
Mills	1,403	1.70	2,385
Montgomery	276	1.70	469
Page	255	1.80	459
Pottawattamie	2,134	1.80	3,841
Taylor	361	1.60	578
For District	7,153	1.67	11,941
South Central—			
Appanoose	811	1.22	989
Clarke	26	1.80	47
Decatur	78	1.25	98
Lucas	54	1.20	65
Madison	553	1.22	675
Marion	111	0.84	93
Monroe	16	0.84	13
Ringgold	139	1.34	186
Union	498	1.80	896
Warren	238	1.34	319
Wayne	14	1.20	17
For District	2,538	1.34	3,398
Southeast—			
Davis	5	0.84	4
Des Moines	------	------	------
Henry	------	------	------
Jefferson	------	------	------
Keokuk	38	1.35	51
Lee	35	1.25	44
Louisa	64	1.00	64
Mahaska	87	1.35	117
Van Buren	------	------	------
Wapello	42	1.25	52
Washington	2	1.25	2
For District	273	1.22	334
For State	180,924	1.15	207,772


WILD HAY (1932)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
FARM VALUE DEC. 1, 1932
$4.50 per ton
TOTAL $934,974
TOTAL YIELD FOR STATE 807,772 TONS
AVERAGE PER ACRE 1.15 TONS


SOY BEANS (1932)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
FARM VALUE DEC. 1, 1932
$0.42 per bu.
TOTAL $343,686
TOTAL YIELD FOR STATE 818,300 BUSHELS
AVERAGE PER ACRE 17.7 BUSHELS

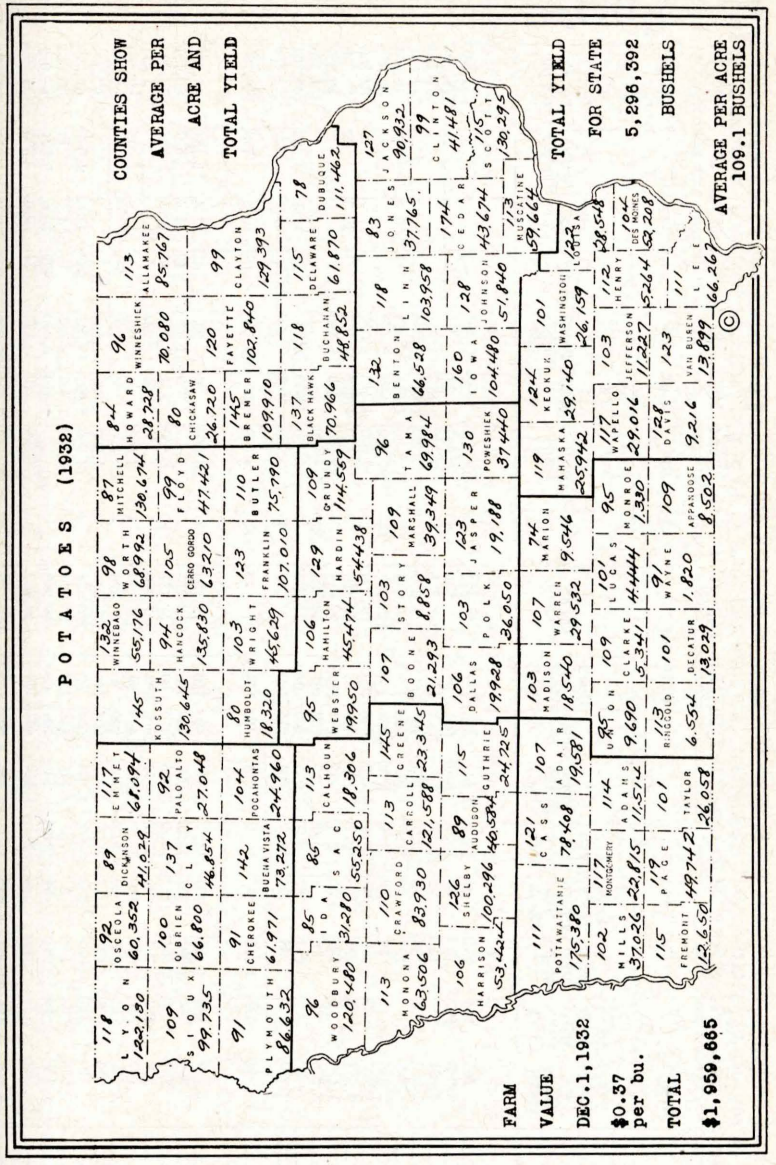

POTATOES (1932)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
FARM VALUE DEC. 1, 1932
$0.37 per bu.
TOTAL $1,959,685
TOTAL YIELD FOR STATE 5,296,392 BUSHELS
AVERAGE PER ACRE 109.1 BUSHELS

TABLE NO. 6

Number of bushels of apples harvested; acreage of soy beans sown with other crops and sown alone; acreage, average and total yield of soy beans, potatoes and buckwheat; acreage and total yield of pop corn and flax seed; acreage in pastures and acreage in crops not otherwise enumerated in this report, for the year 1932, all by counties.

Districts and Counties	Apples	Soy Beans					Potatoes			Pop Corn		Flax Seed		Buckwheat			Pastures	Acreage in Crops Not Otherwise Enumerated
	Total Bushels Harvested	Acres Sown With Other Crops	Acres Sown Alone	Acres Harvested for Beans	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Total Pounds	Acres	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Total Acreage	
Northwest—																		
Buena Vista	160	144	261	94	15.3	1,435	516	142	73,272	159	218,500	722	7,670	-------	-------	---------	59,991	154
Cherokee	2,028	107	80	33	19.1	630	681	91	61,971	26	46,800	83	791	-------	-------	---------	78,661	198
Clay	4,625	251	141	21	13.5	283	342	137	46,854	424	740,700	816	7,841	-------	-------	---------	69,133	104
Dickinson	1,059	55	98	36	9.0	325	461	89	41,029	2	560	1,674	17,364	-------	-------	---------	47,654	204
Emmet	329	-------	197	62	17.0	1,055	582	117	68,094	-------	----------	1,071	9,343	41	8.0	330	42,968	72
Lyon	2,686	-------	58	9	24.4	220	1,035	118	122,130	131	201,620	882	12,420	-------	-------	---------	60,855	241
O'Brien	4,277	23	453	245	18.3	4,473	668	100	66,800	7	10,000	1,143	14,621	-------	-------	---------	62,336	71
Osceola	2,871	7	208	56	20.2	1,120	656	92	60,352	3	5,400	1,672	21,146	4	20.0	80	39,879	53
Palo Alto	1,118	2	238	35	13.3	465	294	92	27,048	8	25,500	233	2,489	-------	-------	---------	59,051	-------
Plymouth	2,273	11	12	1	15.0	15	952	91	86,632	336	438,060	-------	----------	-------	-------	---------	111,906	223
Pocahontas	90	-------	211	82	12.9	1,055	240	104	24,960	1	1,200	639	5,336	24	14.1	338	45,904	72
Sioux	2,848	2	58	15	13.3	200	915	109	99,735	13	19,750	462	5,769	-------	-------	---------	74,452	191
For District	24,364	602	2,015	689	16.4	11,276	7,342	106.1	778,877	1,119	1,708,090	9,397	104,790	69	10.8	748	752,790	1,583
North Central—																		
Butler	1,578	396	3,411	455	14.5	6,587	689	110	75,790	34	39,050	24	205	67	17.4	1,163	89,902	266
Cerro Gordo	260	49	3,204	352	15.2	5,360	602	105	63,210	-------	----------	319	1,945	40	14.3	570	80,197	900
Floyd	252	7	2,561	432	11.6	5,015	479	99	47,421	5	6,850	171	1,118	37	10.1	375	72,209	321
Franklin	802	189	794	21	13.0	272	870	123	107,010	1	2,450	71	384	-------	-------	---------	74,844	264
Hancock	707	144	1,085	128	19.6	2,505	1,445	94	135,830	4	3,600	96	619	8	11.9	95	68,289	1,361
Humboldt	1,045	16	128	37	19.1	705	229	80	18,320	2	2,850	96	755	-------	-------	---------	38,619	48
Kossuth	1,649	2	497	161	15.5	2,501	901	145	130,645	1	1,500	336	1,537	-------	-------	---------	97,588	1,768
Mitchell	510	143	2,040	257	16.0	4,102	1,502	87	130,674	31	43,000	2,097	15,331	272	11.3	3,087	67,553	1,748
Winnebago	238	17	154	21	7.9	165	418	132	55,176	3	4,400	643	4,851	3	4.0	12	49,333	1,717
Worth	751	59	281	54	7.5	407	704	98	68,992	-------	----------	1,410	9,070	422	13.6	5,721	57,079	837
Wright	250	26	711	79	18.1	1,430	443	103	45,629	9	7,800	40	250	34	9.6	325	61,560	939
For District	8,042	1,048	14,866	1,997	14.5	29,049	8,282	106.1	878,697	90	111,500	5,303	36,065	883	12.9	11,348	757,173	10,169

Northeast—																		
Allamakee	3,067	13	235	33	18.1	596	759	113	85,767	1	1,200	28	500	32	16.9	540	155,626	127
Black Hawk	3,536	320	8,521	2,649	18.0	47,717	518	137	70,966	52	60,600	47	374	26	9.2	240	89,886	1,119
Bremer	3,784	440	3,066	353	15.2	5,354	758	145	109,910	5	6,000	-------	----------	10	15.0	150	76,338	635
Buchanan	4,276	699	6,502	1,234	15.2	18,764	414	118	48,852	5	3,680	10	103	48	15.2	731	101,490	187
Chickasaw	1,217	82	1,952	276	16.5	4,553	334	80	26,720	18	19,215	102	392	99	18.9	1,867	90,265	208
Clayton	7,569	542	1,298	89	15.2	1,352	1,307	99	129,393	2	2,661	-------	----------	-------	-------	---------	189,532	684
Delaware	8,792	1,160	5,268	616	16.0	9,882	538	115	61,870	4	4,950	-------	----------	5	25.0	125	110,024	121
Dubuque	12,263	248	1,485	84	11.2	940	1,429	78	111,462	-------	----------	15	175	-------	-------	---------	144,111	697
Fayette	5,832	776	7,071	791	15.8	12,515	857	120	102,840	14	15,200	55	595	111	17.2	1,908	151,067	673
Howard	700	443	1,868	55	11.4	629	342	84	28,728	13	18,100	1,294	4,439	747	12.3	9,151	91,847	103
Winneshiek	8,544	1,028	377	68	19.3	1,315	730	96	70,080	-------	----------	507	3,062	36	21.5	774	142,860	24
For District	59,580	5,751	37,643	6,248	16.6	103,617	7,986	106.0	846,588	114	131,606	2,058	9,640	1,114	13.9	15,486	1,343,046	4,578
West Central—																		
Audubon	2,788	148	256	148	14.5	2,139	456	89	40,584	43	59,200	40	600	-------	-------	---------	74,424	130
Calhoun	354	37	65	14	24.0	336	162	113	18,306	332	611,600	16	210	16	14.4	230	50,331	49
Carroll	395	140	52	10	13.0	130	1,076	113	121,588	538	922,500	223	2,515	10	21.7	217	76,311	64
Crawford	432	30	33	-------	-------	-------	763	110	83,930	1,086	1,870,500	17	100	2	13.5	27	114,824	118
Greene	95	1,461	1,235	439	22.2	9,738	161	145	23,345	2	2,100	83	530	-------	-------	---------	64,777	103
Guthrie	593	47	524	184	16.4	3,010	215	115	24,725	9	14,105	95	572	-------	-------	---------	116,927	98
Harrison	48,753	265	4	2	15.0	30	504	106	53,424	235	354,600	-------	----------	6	7.5	45	90,256	859
Ida	734	-------	49	25	13.0	325	368	85	31,280	2,609	4,033,000	-------	----------	-------	-------	---------	53,226	80
Monona	1,695	2	24	19	18.2	345	562	113	63,506	10	14,000	200	1,400	91	16.5	1,504	97,020	226
Sac	-------	32	114	30	17.5	525	650	85	55,250	7,405	12,429,900	88	838	8	25.0	200	63,563	12
Shelby	370	60	92	25	17.9	448	796	126	100,296	60	94,600	10	80	-------	-------	---------	82,743	317
Woodbury	8,613	20	76	6	15.0	90	1,255	96	120,480	399	754,300	2	25	16	6.2	100	100,076	1,153
For District	64,822	2,242	2,524	902	19.0	17,116	6,968	105.7	736,714	12,728	21,160,405	774	6,870	149	15.6	2,323	984,478	3,209
Central—																		
Boone	3,232	577	765	245	19.8	4,851	199	107	21,293	8	20,620	10	100	-------	-------	---------	74,468	198
Dallas	5,067	1,014	846	280	19.5	5,456	188	106	19,928	79	148,290	87	815	-------	-------	---------	92,126	308
Grundy	1,105	107	3,418	930	19.4	18,000	1,051	109	114,559	2	7,000	18	170	-------	-------	---------	71,303	9
Hamilton	1,662	32	168	42	15.0	630	429	106	45,474	1	600	86	760	44	22.3	980	60,866	134
Hardin	2,293	481	1,163	225	19.6	4,415	422	129	54,438	148	239,663	70	625	-------	-------	---------	75,983	167
Jasper	6,079	314	1,915	772	17.0	13,191	156	123	19,188	4	6,900	56	430	-------	-------	---------	140,133	193
Marshall	3,461	243	3,637	1,730	20.8	35,935	361	109	39,349	17	21,000	257	2,553	-------	-------	---------	88,893	1,371
Polk	45,891	153	2,318	613	20.1	12,295	350	103	36,050	19	21,220	87	751	-------	-------	---------	78,567	4,569
Poweshiek	3,497	170	643	220	17.1	3,771	288	130	37,440	48	85,750	-------	----------	-------	-------	---------	114,945	108
Story	3,774	19	750	163	17.5	2,845	86	103	8,858	106	182,000	33	314	5	15.0	75	59,654	777
Tama	5,455	125	4,094	2,108	21.8	45,943	729	96	69,984	2	3,300	60	520	-------	-------	---------	132,851	591
Webster	1,912	25	349	110	20.8	2,287	210	95	19,950	7	6,350	35	700	10	5.0	50	79,993	244
For District	83,428	3,260	20,066	7,438	20.1	149,619	4,469	108.9	483,511	441	742,693	799	7,738	59	18.7	1,105	1,069,722	8,669

TABLE NO. 6—Continued

Districts and Counties	Apples	Soy Beans					Potatoes			Pop Corn		Flax Seed		Buckwheat			Pastures	Acreage in Crops Not Otherwise Enumerated
	Total Bushels Harvested	Acres Sown With Other Crops	Acres Sown Alone	Acres Harvested for Beans	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Total Pounds	Acres	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Total Acreage	
East Central—																		
Benton	9,241	374	4,988	892	19.5	17,406	504	132	66,528	35	69,000	66	640	9	20.0	180	110,742	897
Cedar	3,334	222	1,209	359	23.7	7,500	251	174	43,674	66	179,370	18	270	------	------	-------	110,299	374
Clinton	2,093	------	423	47	15.4	725	419	99	41,481	4	7,000	------	-------	108	9.4	1,016	135,529	303
Iowa	6,665	703	1,256	123	16.5	2,024	653	160	104,480	2	2,840	20	300	------	------	-------	115,171	498
Jackson	5,310	8	148	10	17.7	177	716	127	90,932	2	1,700	------	-------	2	12.5	25	193,087	29
Johnson	7,261	376	1,190	242	18.9	4,582	405	128	51,840	23	26,500	------	-------	------	------	-------	130,098	817
Jones	1,905	29	1,651	128	20.8	2,668	455	83	37,765	54	58,300	------	-------	13	11.5	150	138,663	216
Linn	9,677	527	5,008	740	17.1	12,683	881	118	103,958	44	57,460	------	-------	6	32.0	192	135,248	1,919
Muscatine	5,016	382	2,052	302	16.9	5,097	528	113	59,664	20	24,800	------	-------	5	15.0	75	81,875	6,994
Scott	11,025	795	1,047	320	15.5	4,960	1,133	115	130,295	10	13,200	30	420	------	------	-------	77,916	2,065
For District	61,527	3,416	18,972	3,163	18.3	57,822	5,945	122.9	730,617	260	440,170	134	1,630	143	11.5	1,638	1,228,628	14,112
Southwest—																		
Adair	1,836	1,070	2,376	813	17.2	13,986	183	107	19,581	22	23,560	------	-------	1	15.0	15	119,296	2
Adams	229	13	1,009	186	19.0	3,535	101	114	11,514	2	2,400	8	150	------	------	-------	96,261	106
Cass	850	235	193	111	16.3	1,806	648	121	78,408	18	23,600	5	45	12	10.0	120	102,389	63
Fremont	16,801	100	44	20	21.8	436	110	115	12,650	17	32,790	------	-------	------	------	-------	53,631	2,191
Mills	2,834	------	26	20	20.0	400	363	102	37,023	16	28,727	------	-------	------	------	-------	59,892	961
Montgomery	186	16	792	295	17.0	5,023	195	117	22,815	26	20,800	24	240	15	7.3	110	66,118	431
Page	2,424	87	336	79	13.7	1,079	418	119	49,742	3	3,998	------	-------	4	5.0	20	95,621	1,733
Pottawattamie	2,468	------	51	24	12.7	305	1,580	111	175,380	111	224,060	4	40	12	33.3	400	128,312	2,465
Taylor	1,696	342	2,598	538	16.4	8,833	258	101	26,058	51	50,895	------	-------	8	2.5	20	118,348	107
For District	29,324	1,863	7,425	2,086	17.0	35,403	3,856	112.3	433,174	266	410,830	41	475	52	13.2	685	839,868	8,059
South Central—																		
Appanoose	901	368	6,567	1,180	14.7	17,336	78	109	8,502	4	4,650	------	-------	3	8.3	25	154,258	318
Clarke	1,021	54	1,684	434	16.8	7,309	49	109	5,341	13	7,456	------	-------	2	23.5	47	104,819	37
Decatur	3,021	148	3,359	1,149	12.7	14,594	129	101	13,029	7	4,200	------	-------	1	15.0	15	144,780	373
Lucas	5,678	199	2,541	822	13.2	10,848	44	101	4,444	2	3,480	15	200	------	------	-------	112,444	42
Madison	14,546	213	1,365	611	16.3	9,973	180	103	18,540	3	4,995	54	755	21	10.1	212	142,884	321
Marion	5,221	501	3,034	1,463	14.7	21,503	129	74	9,546	2	1,500	63	890	27	13.0	350	117,878	58
Monroe	3,369	403	2,035	382	14.4	5,503	14	95	1,330	------	------	------	-------	------	------	-------	135,728	62
Ringgold	477	124	2,142	402	10.3	4,121	58	113	6,554	25	27,120	------	-------	2	10.0	20	129,249	187
Union	667	553	1,601	293	15.3	4,496	102	95	9,690	22	30,300	------	-------	------	------	-------	105,715	153
Warren	14,903	267	1,436	371	17.7	6,551	276	107	29,532	36	54,793	42	376	38	4.3	165	129,388	245
Wayne	50	585	5,025	1,124	15.6	17,577	20	91	1,820	2	1,700	------	-------	14	11.8	165	123,517	89
For District	49,854	3,215	30,789	8,231	14.6	119,811	1,079	100.4	108,383	116	140,188	174	2,221	108	9.2	999	1,400,660	1,885
Southeast—																		
Davis	298	154	7,311	1,463	15.4	22,564	72	128	9,216	35	65,950	------	-------	1	9.0	9	147,723	256
Des Moines	6,892	1,391	5,470	1,959	23.9	46,774	502	104	52,208	11	10,400	------	-------	3	11.7	35	91,162	643
Henry	3,699	1,022	3,329	1,584	25.1	39,694	47	112	5,264	2	3,200	------	-------	------	------	-------	107,325	40
Jefferson	1,018	248	3,488	1,502	14.5	21,720	109	103	11,227	7	5,300	------	-------	3	13.3	40	113,936	73
Keokuk	3,928	619	2,898	780	17.6	13,751	235	124	29,140	7	9,500	10	80	14	17.9	250	127,456	155
Lee	6,571	1,776	6,404	1,267	19.5	24,758	597	111	66,267	20	10,425	------	-------	7	15.9	111	135,045	2,772
Louisa	3,510	480	3,092	902	16.9	15,250	234	122	28,548	8	9,700	------	-------	------	------	-------	78,499	1,474
Mahaska	5,524	745	3,264	635	17.7	11,245	218	119	25,942	2	3,000	------	-------	15	10.0	150	115,412	441
Van Buren	30,065	187	5,082	1,176	15.5	18,209	113	123	13,899	12	8,450	------	-------	14	16.8	235	161,208	298
Wapello	7,689	57	6,685	2,619	17.9	46,928	248	117	29,016	35	34,900	------	-------	6	8.3	50	104,200	595
Washington	8,939	868	3,790	1,708	19.7	33,604	259	101	26,159	2	3,050	------	-------	------	------	-------	119,271	160
For District	78,133	7,547	50,813	15,595	18.9	294,587	2,634	112.7	296,883	141	163,875	10	80	63	14.0	880	1,301,237	6,907
For State	459,074	28,944	185,113	46,349	17.7	818,300	48,561	109.1	5,296,392	15,266	25,009,357	18,690	169,509	2,640	13.3	35,212	9,677,602	59,171

TABLE NO. 7

Acreage, average and total yield of timothy seed, clover seed, (red, alsike, etc.), and sweet clover seed, and total acreage of sweet clover for all purposes, for the year 1932, all by counties.

Districts and Counties	Timothy Seed			*Clover Seed			Sweet Clover Seed			†Sweet Clover
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres
Northwest—										
Buena Vista	5	9.6	48	34	0.68	23				3,146
Cherokee	45	4.4	199	20	1.50	30	73	3.5	256	2,108
Clay	110	5.4	592	62	0.63	39	83	3.6	297	2,981
Dickinson	56	5.0	279				44	2.4	105	1,469
Emmet	3	3.3	10	54	0.70	38	74	2.7	202	1,621
Lyon							53	5.3	280	1,680
O'Brien	97	5.1	494	6	0.83	5	30	4.3	130	2,069
Osceola	280	7.1	1,996	31	1.45	45	158	2.7	427	1,233
Palo Alto	8	9.4	75				24	0.5	12	1,131
Plymouth	16	5.0	80	18	1.94	35	93	1.1	102	5,040
Pocahontas	5	6.2	31				20	2.0	40	1,358
Sioux	58	6.3	367				29	4.2	122	2,613
For District	683	6.1	4,171	225	0.96	215	681	2.9	1,973	26,449
North Central—										
Butler	415	4.6	1,916	12	0.92	11				43
Cerro Gordo	308	5.5	1,679							344
Floyd	1,135	5.9	5,677				20	1.2	25	71
Franklin	190	6.0	1,136	5	1.20	6				1,345
Hancock	71	5.5	390				38	2.8	106	2,156
Humboldt	43	8.2	354	4	2.50	10	10	7.5	75	2,914
Kossuth	10	8.1	81	60	1.38	83	57	2.3	130	4,809
Mitchell	2,388	5.0	11,932				10	1.5	15	114
Winnebago	59	6.1	360	22	1.14	25	2	4.0	8	2,376
Worth	169	7.7	1,293	22	1.27	27	4	3.0	12	604
Wright	27	6.4	175				50	0.9	45	3,873
For District	4,815	5.2	24,993	125	1.30	162	191	2.2	416	18,649
Northeast—										
Allamakee	1,258	5.2	6,587	457	1.10	501	12	0.5	6	67
Black Hawk	390	6.8	2,640	63	0.86	44	25	0.8	20	92
Bremer	134	4.1	544	16	1.06	17				72
Buchanan	776	4.5	3,459	92	0.85	78				93
Chickasaw	4,092	4.1	16,745	29	0.59	17	2	2.0	4	8
Clayton	702	5.5	3,842	656	0.85	555	5	1.0	5	176
Delaware	958	5.4	5,178	197	1.43	272	2	0.5	1	100
Dubuque	565	4.6	2,623	507	0.79	400	12	3.3	40	140
Fayette	1,850	4.5	8,331	464	0.98	456	8	1.5	12	108
Howard	4,299	4.6	19,934							7
Winneshiek	3,533	4.3	15,234	62	0.95	59	4	2.0	8	202
For District	18,557	4.6	85,117	2,543	0.94	2,399	70	1.4	96	1,059
West Central—										
Audubon	1,435	5.2	7,455	166	0.73	121	16	0.6	10	2,723
Calhoun	16	6.4	103				35	1.3	45	2,674
Carroll	108	3.7	401	46	1.02	47	18	1.4	25	1,135
Crawford	130	3.3	434	145	0.78	113	297	2.1	631	15,345
Greene	16	5.4	86	21	0.33	7	81	2.0	165	3,331
Guthrie	3,182	4.0	12,578	1,244	0.82	1,024	148	2.2	331	450
Harrison	25	4.0	100				479	2.3	1,096	13,951
Ida	94	5.2	486	36	0.67	24	270	3.8	1,028	2,302
Monona							310	3.2	982	8,488
Sac	111	6.4	712	44	1.32	58	119	1.9	230	2,694
Shelby	232	5.8	1,353	525	1.37	719	103	2.3	233	11,904
Woodbury	7	3.6	25	44	1.09	48	1,886	2.5	4,782	15,288
For District	5,357	4.4	23,733	2,271	0.95	2,161	3,762	2.5	9,558	80,335

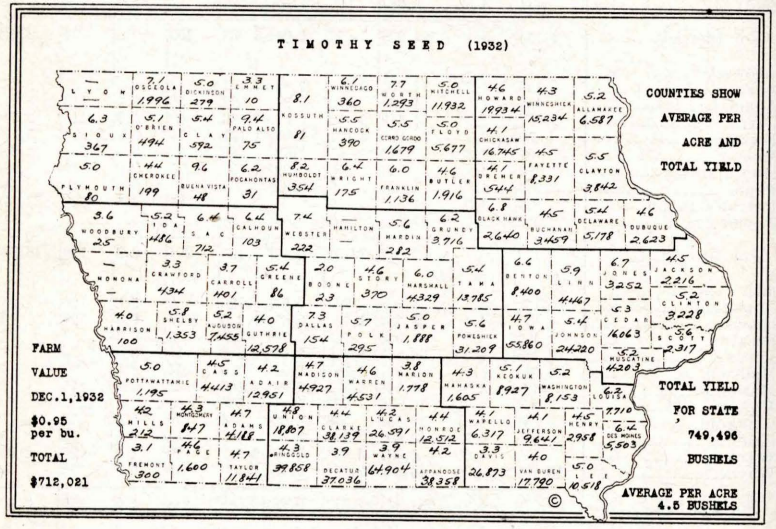
TABLE NO. 7—Continued

Districts and Counties	Timothy Seed			*Clover Seed			Sweet Clover Seed			†Sweet Clover
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres
Central—										
Boone	11	2.0	23	61	1.05	64	124	2.3	273	3,333
Dallas	21	7.3	154	610	0.85	517	44	2.1	94	3,654
Grundy	603	6.2	3,716	80	0.75	60				20
Hamilton										1,612
Hardin	50	5.6	282	65	1.22	79				1,171
Jasper	375	5.0	1,888	2,530	0.85	2,158				964
Marshall	719	6.0	4,329	455	0.65	295	6	1.0	6	221
Polk	52	5.7	295	460	0.81	372	35	2.7	93	4,423
Poweshiek	5,592	5.6	31,209	1,761	0.95	1,675	10	1.0	10	214
Story	80	4.6	370	25	1.80	45				5,149
Tama	2,574	5.4	13,785	248	0.92	227				115
Webster	30	7.4	222	19	1.05	20	88	1.1	94	1,257
For District	10,108	5.6	56,273	6,314	0.87	5,512	307	1.9	570	22,133
East Central—										
Benton	1,273	6.6	8,400	10	1.30	13	13	0.8	11	56
Cedar	3,008	5.3	16,063	525	0.78	411	2	1.1	2	122
Clinton	615	5.2	3,228	404	0.96	388	26	1.5	30	51
Iowa	11,824	4.7	55,860	1,348	1.05	1,421				21
Jackson	494	4.5	2,216	704	0.96	678	40	0.9	37	468
Johnson	4,470	5.4	24,220	1,528	1.10	1,677	25	0.4	11	42
Jones	485	6.7	3,252	14	1.21	17	1	1.0	1	51
Linn	758	5.9	4,467	261	0.87	226				148
Muscatine	815	5.2	4,203	325	1.27	412				1,472
Scott	414	5.6	2,317	503	1.18	595	2	1.0	2	218
For District	24,156	5.1	124,226	5,622	1.04	5,838	109	0.9	94	2,649
Southwest—										
Adair	3,105	4.2	12,951	2,227	0.80	1,791				323
Adams	891	4.7	4,188	602	0.87	522	38	3.1	116	142
Cass	977	4.5	4,413	2,352	0.67	1,586	62	1.9	119	1,144
Fremont	96	3.1	300	1,032	1.07	1,101	14	0.3	4	5,191
Mills	51	4.2	212	53	1.32	70	81	3.6	293	4,676
Montgomery	197	4.3	847	1,253	0.92	1,159	5	2.0	10	1,484
Page	345	4.6	1,600	900	0.82	739	10	0.9	9	440
Pottawattamie	238	5.0	1,195	159	0.61	97	84	2.5	208	33,318
Taylor	2,522	4.7	11,841	161	0.56	90				48
For District	8,422	4.5	37,547	8,739	0.82	7,155	294	2.6	759	46,766
South Central—										
Appanoose	9,152	4.2	38,358	841	0.87	729	6	5.0	30	61
Clarke	8,573	4.4	38,139	1,736	0.65	1,130	36	0.8	27	100
Decatur	9,453	3.9	37,036	738	0.70	520	9	0.4	4	36
Lucas	6,355	4.2	26,591	3,452	0.64	2,218	19	3.9	74	84
Madison	1,049	4.7	4,927	3,317	0.91	3,016	14	2.2	31	169
Marion	471	3.8	1,778	3,875	0.92	3,565	32	2.3	75	138
Monroe	2,874	4.4	12,512	733	0.74	545				9
Ringgold	9,337	4.3	39,858	558	0.62	354	19	1.0	19	74
Union	3,930	4.8	18,807	661	0.68	449	41	0.8	33	150
Warren	979	4.6	4,531	3,095	0.82	2 543	20	1.1	22	2,996
Wayne	16,799	3.9	64,904	2,211	0.71	1,579	42	0.8	35	79
For District	68,972	4.2	287,441	21,217	0.78	16,648	238	1.5	350	3,896

TABLE NO. 7—Continued

Districts and Counties	Timothy Seed			*Clover Seed			Sweet Clover Seed			†Sweet Clover
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres
Southeast—										
Davis	8,169	3.3	26,873	1,493	0.93	1,384	5	1.0	5	5
Des Moines	861	6.4	5,503	2,997	0.94	2,827				19
Henry	656	4.5	2,958	2,391	1.01	2,408				102
Jefferson	2,367	4.1	9,641	3,434	0.78	2,690				
Keokuk	1,765	5.1	8,927	1,098	1.02	1,121				4
Lee	2,106	5.0	10,518	4,190	1.01	4,218				49
Louisa	1,237	6.2	7,710	1,858	0.88	1,642	8	1.9	15	93
Mahaska	371	4.3	1,605	1,589	0.64	1,022				100
Van Buren	4,456	4.0	17,790	6,237	0.94	5,856				33
Wapello	1,523	4.1	6,317	1,045	0.71	747	20	5.0	100	39
Washington	1,567	5.2	8,153	4,379	0.91	3,976				54
For District	25,078	4.2	105,995	30,711	0.91	27,891	33	3.6	120	558
For State	166,148	4.5	749,496	77,767	0.87	67,981	5,685	2.5	13,936	202,494

*Does not include sweet clover.
†Sweet clover, all varieties, for all purposes.



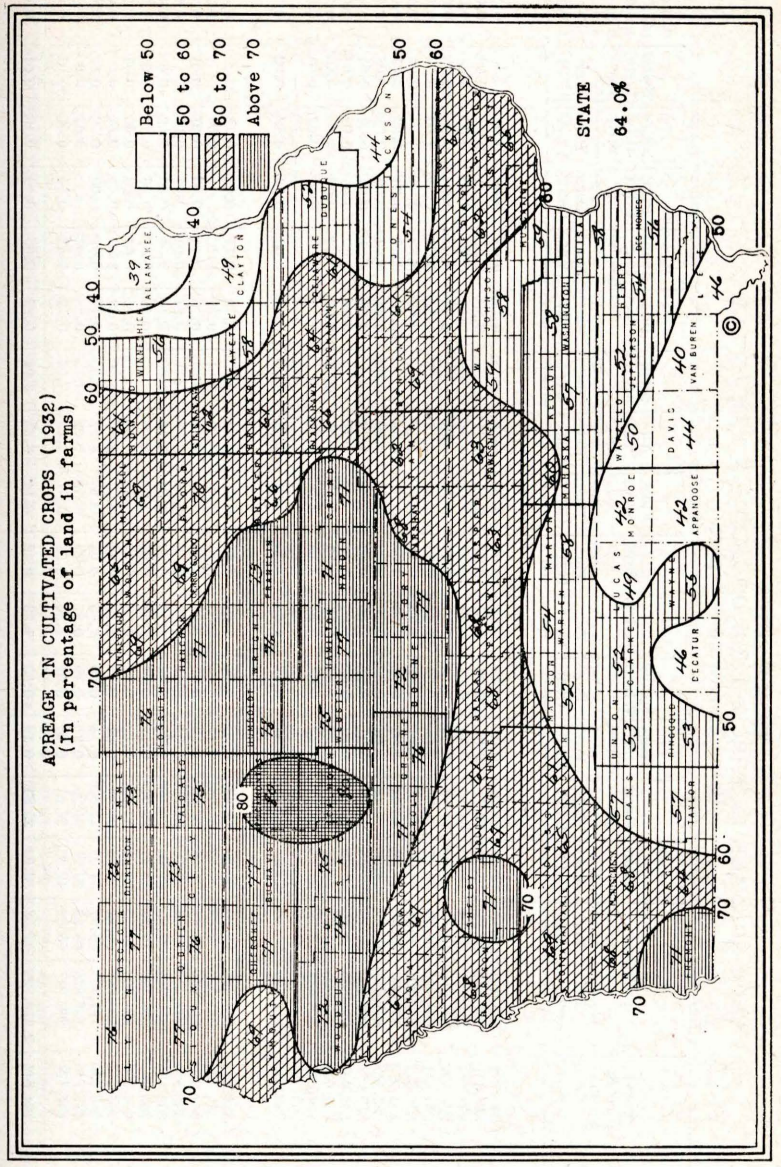


TABLE NO. 8
CROP ACREAGE IN PERCENTAGE OF LAND IN FARMS, 1932
(Based on assessors' reports)

Districts and Counties	Total Acres in Farms	All Crops*		Corn	Oats	Winter Wheat	Spring Wheat	Barley	Rye	Flax Seed	All Tame Hay	Buckwheat	Potatoes	Soy Beans (for beans)	Pop Corn	Timothy Seed	Sweet Clover Seed	Miscellaneous Crops
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Northwest—																		
Buena Vista	359,186	275,080	76.58	42.04	26.20	0.02	0.03	2.42	0.07	0.20	5.34	-------	0.14	0.03	0.05	0.00	-------	0.04
Cherokee	357,043	252,831	70.81	40.38	17.71	0.01	0.03	6.98	0.04	0.02	5.34	-------	0.19	0.01	0.01	0.01	0.02	0.06
Clay	352,122	257,503	73.13	38.90	24.74	0.06	0.03	4.28	0.27	0.23	4.31	-------	0.10	0.01	0.12	0.03	0.02	0.03
Dickinson	234,591	168,611	71.87	36.55	22.30	0.21	0.13	7.19	0.40	0.71	4.03	-------	0.20	0.02	0.00	0.02	0.02	0.09
Emmet	245,651	180,290	73.39	37.97	24.73	0.34	0.02	4.83	0.55	0.43	4.18	0.02	0.24	0.02	-------	0.00	0.03	0.03
Lyon	366,339	279,528	76.30	39.06	27.43	0.04	0.07	4.77	0.14	0.24	4.15	-------	0.28	0.00	0.04	-------	0.01	0.07
O'Brien	354,389	268,200	75.68	40.29	22.63	0.00	0.03	7.06	0.07	0.32	4.96	-------	0.19	0.07	0.00	0.03	0.01	0.02
Osceola	250,147	193,045	77.17	38.94	27.68	0.02	0.05	5.18	0.20	0.67	3.96	0.00	0.26	0.02	0.00	0.11	0.06	0.02
Palo Alto	347,024	260,908	75.18	39.21	29.38	0.21	0.01	1.65	0.83	0.07	3.72	-------	0.08	0.01	0.00	0.00	0.01	-------
Plymouth	541,097	374,255	69.17	39.39	17.13	0.43	0.26	5.95	0.44	-------	5.27	-------	0.18	0.00	0.06	0.00	0.02	0.04
Pocahontas	359,668	287,999	80.07	43.02	31.67	0.09	0.04	0.76	0.12	0.18	4.07	0.01	0.07	0.02	0.00	0.00	0.00	0.02
Sioux	472,677	362,935	76.78	41.17	24.81	0.13	0.05	5.05	0.11	0.10	5.11	-------	0.19	0.00	0.00	0.01	0.01	0.04
For District	4,239,934	3,161,185	74.56	39.93	24.37	0.14	0.07	4.65	0.26	0.22	4.62	0.00	0.17	0.02	0.03	0.02	0.02	0.04
North Central—																		
Butler	354,237	233,751	65.99	35.23	21.47	0.10	0.04	0.66	0.21	0.01	7.72	0.02	0.19	0.13	0.01	0.12	-------	0.08
Cerro Gordo	346,428	240,519	69.43	36.13	23.70	0.10	0.04	1.58	0.15	0.09	7.00	0.01	0.18	0.10	-------	0.09	-------	0.26
Floyd	306,332	214,634	69.87	34.68	24.59	0.09	0.03	1.29	0.20	0.06	8.14	0.01	0.16	0.14	0.00	0.37	0.01	0.10
Franklin	361,862	262,410	72.52	40.73	23.30	0.02	0.04	1.69	0.10	0.02	6.25	-------	0.24	0.01	0.00	0.05	-------	0.07
Hancock	355,728	252,375	70.95	37.03	26.03	0.08	0.05	1.19	0.06	0.03	5.62	0.00	0.41	0.04	0.00	0.02	0.01	0.38
Humboldt	266,261	208,420	78.28	42.41	28.72	0.11	0.04	1.66	0.08	0.04	5.08	-------	0.09	0.01	0.00	0.02	0.00	0.02
Kossuth	604,190	459,799	76.10	39.28	30.48	0.11	0.02	0.96	0.07	0.05	4.65	-------	0.15	0.03	0.00	0.00	0.01	0.29
Mitchell	286,271	198,687	69.41	29.01	26.01	0.22	0.11	1.77	0.22	0.73	9.16	0.10	0.53	0.09	0.01	0.84	0.00	0.61
Winnebago	249,026	171,753	68.97	34.51	24.54	0.11	0.03	2.03	0.03	0.26	6.57	0.00	0.17	0.01	0.00	0.02	0.00	0.69
Worth	247,040	161,626	65.43	29.91	24.99	0.21	0.10	0.87	0.22	0.57	7.68	0.17	0.28	0.02	-------	0.07	0.00	0.34
Wright	357,474	269,947	75.52	42.43	27.03	0.05	0.09	1.36	0.03	0.01	4.09	0.01	0.12	0.02	0.00	0.01	0.01	0.26
For District	3,734,849	2,673,321	71.58	36.95	25.84	0.11	0.05	1.33	0.12	0.14	6.34	0.02	0.22	0.05	0.00	0.13	0.01	0.27

Northeast—																		
Allamakee	386,861	150,658	38.94	12.51	11.75	0.14	0.12	2.15	0.14	0.01	11.55	0.01	0.20	0.01	0.00	0.32	0.00	0.03
Black Hawk	341,610	224,277	65.65	34.50	18.40	0.09	0.04	1.10	0.33	0.01	9.78	0.01	0.15	0.78	0.01	0.11	0.01	0.33
Bremer	266,496	161,451	60.58	29.07	21.06	0.05	0.05	0.38	0.10	-------	9.16	0.00	0.29	0.13	0.00	0.05	-------	0.24
Buchanan	352,612	224,882	63.78	34.01	18.56	0.10	0.04	0.33	0.25	0.00	9.73	0.02	0.12	0.35	0.00	0.22	-------	0.05
Chickasaw	303,230	187,753	61.92	26.97	21.45	0.20	0.05	0.88	0.12	0.03	10.56	0.03	0.11	0.09	0.01	1.35	0.00	0.07
Clayton	470,791	232,024	49.28	18.90	16.96	0.08	0.14	1.41	0.18	-------	11.08	-------	0.28	0.02	0.00	0.15	0.00	0.14
Delaware	351,345	214,932	61.17	29.81	18.50	0.06	0.08	0.75	0.28	-------	11.07	0.00	0.15	0.17	0.00	0.27	0.00	0.03
Dubuque	369,175	193,805	52.50	21.25	15.53	0.04	0.14	1.06	0.04	0.00	13.69	-------	0.39	0.02	-------	0.15	0.00	0.19
Fayette	446,280	258,467	57.90	24.96	18.62	0.19	0.06	0.93	0.15	0.01	12.03	0.02	0.19	0.18	0.00	0.41	0.00	0.15
Howard	296,042	179,671	60.69	22.97	22.35	0.09	0.08	1.47	0.43	0.44	10.99	0.25	0.12	0.02	0.00	1.45	-------	0.03
Winneshiek	428,725	238,732	55.68	21.07	18.82	0.10	0.15	2.79	0.07	0.12	11.53	0.01	0.17	0.02	-------	0.82	0.00	0.01
For District	4,013,267	2,266,652	56.48	24.60	18.11	0.11	0.09	1.25	0.18	0.05	11.12	0.03	0.20	0.16	0.00	0.46	0.00	0.11
West Central—																		
Audubon	278,256	187,781	67.48	37.17	18.89	0.13	0.04	1.57	0.04	0.01	8.83	-------	0.16	0.05	0.01	0.52	0.01	0.05
Calhoun	349,585	279,775	80.03	42.86	33.42	0.04	0.01	0.34	0.07	0.01	3.11	0.01	0.05	0.00	0.09	0.00	0.01	0.01
Carroll	358,022	255,638	71.40	40.03	21.62	0.24	0.16	1.77	0.01	0.06	7.00	0.00	0.30	0.00	0.15	0.03	0.01	0.02
Crawford	445,330	299,469	67.25	37.89	17.93	0.35	0.38	2.78	0.07	0.00	7.31	0.00	0.17	-------	0.24	0.03	0.07	0.03
Greene	351,410	265,760	75.63	45.72	25.76	0.07	0.03	0.37	0.04	0.02	3.38	-------	0.05	0.13	0.00	0.01	0.02	0.03
Guthrie	365,675	223,140	61.62	34.92	16.39	0.29	0.03	1.13	0.03	0.02	7.16	-------	0.06	0.05	0.00	0.87	0.04	0.03
Harrison	416,924	282,165	67.68	46.80	11.10	1.82	1.84	0.65	0.08	-------	4.88	0.00	0.12	0.00	0.06	0.01	0.11	0.21
Ida	272,503	202,219	74.21	42.08	18.40	0.01	0.02	5.49	0.06	-------	6.89	-------	0.13	0.01	0.96	0.03	0.10	0.03
Monona	415,586	278,207	66.94	43.17	10.17	6.42	1.37	1.28	0.06	0.05	4.13	0.02	0.14	0.00	0.00	-------	0.08	0.05
Sac	355,892	268,087	75.33	41.08	21.16	0.04	0.02	4.20	0.01	0.03	6.45	0.00	0.18	0.01	2.08	0.03	0.04	0.00
Shelby	368,952	261,911	70.99	42.10	20.17	0.13	0.14	1.70	0.05	0.00	6.27	-------	0.22	0.01	0.02	0.06	0.03	0.09
Woodbury	519,436	374,447	72.09	45.30	14.31	3.20	0.09	1.89	0.21	0.00	6.18	0.00	0.24	0.00	0.08	0.00	0.37	0.22
For District	4,497,571	3,178,599	70.67	41.79	18.67	1.24	0.38	1.86	0.07	0.02	5.91	0.00	0.16	0.02	0.28	0.12	0.08	0.07
Central—																		
Boone	347,882	250,614	72.04	41.66	25.19	0.17	0.07	0.54	0.01	0.00	4.18	-------	0.06	0.07	0.00	0.00	0.03	0.06
Dallas	363,977	246,942	67.85	41.59	19.77	1.50	0.04	0.48	0.06	0.02	4.13	-------	0.05	0.08	0.02	0.01	0.01	0.09
Grundy	313,496	221,689	70.72	37.41	22.95	0.03	0.04	1.29	0.01	0.01	8.15	-------	0.34	0.30	0.00	0.19	-------	0.00
Hamilton	356,911	273,066	76.51	42.34	29.57	0.04	0.08	0.50	0.02	0.02	3.76	0.01	0.12	0.01	0.00	-------	-------	0.04
Hardin	346,713	246,624	71.13	41.12	22.53	0.03	0.03	1.29	0.05	0.02	5.78	-------	0.12	0.06	0.04	0.01	-------	0.05
Jasper	449,577	283,610	63.08	36.82	15.62	0.82	0.11	0.95	0.05	0.01	8.38	-------	0.03	0.17	0.00	0.08	-------	0.04
Marshall	352,249	241,176	68.47	37.41	18.41	0.26	0.08	2.48	0.17	0.07	8.40	-------	0.10	0.49	0.01	0.20	0.00	0.39
Polk	315,787	213,906	67.74	39.04	17.17	2.07	0.29	0.63	0.10	0.03	6.62	-------	0.11	0.19	0.01	0.02	0.01	1.45
Poweshiek	364,912	229,627	62.93	34.56	16.00	0.13	0.10	0.68	0.03	-------	9.72	-------	0.08	0.06	0.01	1.53	0.00	0.03
Story	347,737	268,401	77.19	45.83	25.97	0.24	0.06	0.50	0.04	0.01	4.19	0.00	0.03	0.05	0.03	0.02	-------	0.22
Tama	448,290	279,971	62.45	31.57	17.02	0.28	0.08	2.31	0.08	0.01	9.77	-------	0.16	0.47	0.00	0.57	-------	0.13
Webster	435,930	327,430	75.11	39.50	31.32	0.03	0.06	0.32	0.06	0.01	3.65	0.00	0.05	0.02	0.00	0.01	0.02	0.06
For District	4,443,461	3,083,056	69.38	38.86	21.74	0.46	0.08	1.01	0.05	0.02	6.45	0.00	0.10	0.17	0.01	0.23	0.01	0.19

TABLE NO. 8—Continued

Districts and Counties	Total Acres in Farms	All Crops*		Corn	Oats	Winter Wheat	Spring Wheat	Barley	Rye	Flax Seed	All Tame Hay	Buckwheat	Potatoes	Soy Beans (for beans)	Pop Corn	Timothy Seed	Sweet Clover Seed	Miscellaneous Crops
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
East Central—																		
Benton	444,245	304,740	68.60	35.28	20.05	0.18	0.07	2.23	0.11	0.02	9.85	0.00	0.11	0.20	0.01	0.29	0.00	0.20
Cedar	353,487	218,938	61.94	32.22	14.12	0.45	0.03	2.16	0.11	0.01	11.69	------	0.07	0.10	0.02	0.85	0.00	0.11
Clinton	419,475	257,162	61.31	33.24	13.84	0.54	0.08	1.69	0.10	------	11.46	0.02	0.10	0.01	0.00	0.15	0.01	0.07
Iowa	360,489	211,127	58.57	29.57	13.00	0.66	0.08	1.15	0.04	0.01	10.43	------	0.18	0.03	0.00	3.28	------	0.14
Jackson	392,855	171,950	43.77	18.60	10.38	0.15	0.15	1.04	0.21	------	12.91	0.00	0.18	0.00	0.00	0.13	0.01	0.01
Johnson	370,527	214,051	57.77	30.01	13.47	0.31	0.05	0.46	0.07	------	11.78	------	0.11	0.06	0.01	1.21	0.01	0.22
Jones	351,764	190,331	54.11	26.75	13.12	0.05	0.10	1.24	0.11	------	12.25	0.00	0.13	0.04	0.02	0.14	0.00	0.06
Linn	425,191	258,763	60.86	31.83	15.90	0.28	0.08	0.92	0.19	------	10.64	0.00	0.21	0.17	0.01	0.18	------	0.45
Muscatine	255,742	151,455	59.22	31.01	11.70	1.48	0.09	0.90	0.42	------	10.23	0.00	0.21	0.12	0.01	0.32	------	2.73
Scott	271,043	174,921	64.54	30.93	14.82	2.51	0.17	3.00	0.21	0.01	11.43	------	0.42	0.12	0.01	0.15	0.00	0.76
For District	3,644,818	2,153,438	59.08	30.00	14.22	0.57	0.09	1.47	0.15	0.00	11.27	0.00	0.16	0.09	0.01	0.66	0.00	0.39
Southwest—																		
Adair	361,173	219,188	60.69	34.23	13.82	0.50	0.03	1.03	0.04	------	9.79	0.00	0.05	0.23	0.01	0.86	------	0.00
Adams	267,787	153,568	57.35	34.04	13.18	0.75	0.00	0.50	0.06	0.00	8.33	------	0.04	0.07	0.00	0.33	0.01	0.04
Cass	352,094	229,666	65.23	37.42	15.05	1.16	0.04	1.99	0.03	0.00	9.00	0.00	0.18	0.03	0.01	0.28	0.02	0.02
Fremont	300,197	212,132	70.66	54.48	6.11	2.50	------	0.29	0.08	------	6.39	------	0.04	0.01	0.00	0.03	0.00	0.73
Mills	259,518	175,627	67.67	48.81	9.10	2.14	0.03	1.04	0.03	------	5.94	------	0.14	0.01	0.01	0.02	0.03	0.37
Montgomery	261,379	177,697	67.98	42.94	12.44	2.78	0.02	0.85	0.03	0.01	8.47	0.01	0.07	0.11	0.01	0.08	0.00	0.16
Page	330,408	212,795	64.40	41.72	9.47	3.23	0.00	0.98	0.18	------	8.04	0.00	0.13	0.02	0.00	0.10	0.00	0.53
Pottawattamie	564,013	389,761	69.10	46.01	13.38	0.89	0.11	1.52	0.02	0.00	6.38	0.00	0.28	0.00	0.02	0.04	0.01	0.44
Taylor	327,171	186,512	57.01	34.04	12.47	1.60	0.00	0.61	0.10	------	7.13	0.00	0.08	0.16	0.02	0.77	------	0.03
For District	3,023,740	1,956,946	64.72	41.60	11.91	1.63	0.03	1.05	0.06	0.00	7.67	0.00	0.13	0.07	0.01	0.28	0.01	0.27

South Central—																		
Appanoose	313,396	131,175	41.86	16.02	7.86	0.60	0.02	0.20	0.05	------	13.68	0.00	0.03	0.38	0.00	2.92	0.00	0.10
Clarke	263,989	136,438	51.68	24.04	12.21	0.29	0.01	0.52	0.04	------	11.12	0.00	0.02	0.16	0.00	3.25	0.01	0.01
Decatur	329,395	152,783	46.38	20.79	9.22	0.57	0.00	0.19	0.13	------	12.11	0.00	0.04	0.35	0.00	2.87	0.00	0.11
Lucas	262,704	128,332	48.85	21.15	10.44	0.53	0.02	0.60	0.08	0.00	13.25	------	0.02	0.31	0.00	2.42	0.01	0.02
Madison	353,381	183,745	52.00	29.85	11.31	1.38	0.02	1.47	0.03	0.02	7.30	0.01	0.05	0.17	0.00	0.30	0.00	0.09
Marion	343,191	200,082	58.30	31.26	13.51	1.14	0.11	0.61	0.06	0.02	10.95	0.01	0.04	0.42	0.00	0.14	0.01	0.02
Monroe	264,494	110,140	41.64	19.12	7.75	1.11	0.02	0.30	0.06	------	12.02	------	0.01	0.14	------	1.09	------	0.02
Ringgold	329,924	174,648	52.94	26.91	11.56	0.74	0.02	0.31	0.03	------	10.32	0.00	0.02	0.12	0.01	2.83	0.01	0.06
Union	261,910	138,569	52.91	29.08	11.54	0.43	0.00	0.95	0.05	------	9.12	------	0.04	0.11	0.01	1.50	0.02	0.06
Warren	345,885	188,401	54.47	29.93	11.26	1.83	0.02	0.72	0.06	0.01	10.07	0.01	0.08	0.11	0.01	0.28	0.01	0.07
Wayne	325,798	180,412	55.38	23.07	12.30	0.50	0.00	0.27	0.04	------	13.64	0.00	0.01	0.35	0.00	5.16	0.01	0.03
For District	3,394,067	1,724,725	50.82	24.89	10.87	0.86	0.02	0.56	0.06	0.01	11.18	0.00	0.03	0.24	0.00	2.03	0.01	0.06
Southeast—																		
Davis	308,861	134,591	43.58	16.77	8.73	0.62	0.01	0.09	0.06	------	14.07	0.00	0.02	0.47	0.01	2.65	0.00	0.08
Des Moines	245,792	137,636	56.00	29.17	12.32	2.50	0.01	0.07	0.14	------	10.17	0.00	0.20	0.80	0.01	0.35	------	0.26
Henry	264,382	142,796	54.01	29.04	12.00	0.85	0.02	0.03	0.01	------	11.18	------	0.02	0.60	0.00	0.25	------	0.01
Jefferson	267,042	139,204	52.13	25.99	11.69	0.96	0.03	0.10	0.06	------	11.78	0.00	0.04	0.56	0.00	0.89	------	0.03
Keokuk	355,296	201,986	56.85	31.16	13.52	0.58	0.08	0.46	0.07	0.00	10.14	0.01	0.07	0.22	0.00	0.50	------	0.04
Lee	299,227	137,137	45.83	19.81	8.54	1.97	------	0.22	0.30	------	12.73	0.00	0.20	0.42	0.01	0.70	------	0.93
Louisa	230,719	134,434	58.27	32.33	12.20	2.67	0.03	0.15	0.44	------	8.78	------	0.10	0.39	0.00	0.54	0.00	0.64
Mahaska	353,775	213,448	60.33	33.97	14.18	0.93	0.06	0.33	0.05	------	10.34	0.00	0.06	0.18	0.00	0.11	------	0.12
Van Buren	299,568	118,954	39.71	16.11	7.85	1.22	0.02	0.01	0.03	------	12.44	0.01	0.04	0.39	0.00	1.49	------	0.10
Wapello	256,851	129,477	50.41	24.31	9.76	1.69	0.01	0.29	0.13	------	12.26	0.00	0.10	1.02	0.01	0.59	0.01	0.23
Washington	349,501	204,201	58.43	32.03	14.01	0.55	0.03	0.24	0.03	------	10.48	------	0.07	0.49	0.00	0.45	------	0.05
For District	3,231,014	1,693,864	52.43	26.53	11.44	1.24	0.03	0.19	0.11	0.00	11.32	0.00	0.08	0.48	0.01	0.78	0.00	0.22
For State	34,222,721	21,891,786	63.97	34.25	17.96	0.67	0.10	1.57	0.12	0.05	8.24	0.01	0.14	0.14	0.04	0.49	0.02	0.17

*Does not include wild hay.
Note: "0.00" indicates less than 0.01 per cent; blanks (------) indicate none.

TABLE NO. 9
ACREAGE NOT IN CROPS, IN PERCENTAGE OF LAND IN FARMS, 1932
(Based on assessors' reports)

Districts and Counties	Total Acreage in Farms	Land Not in Crops		Pasture	Wild Hay	Timber, Wood Lots	Waste Land	Crop Land Idle	Bldgs., Feed Lots, Public Highways
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Northwest—									
Buena Vista	359,186	84,106	23.42	16.70	0.51	0.12	0.26	0.06	5.77
Cherokee	357,043	104,212	29.19	22.03	0.93	0.10	0.37	0.30	5.46
Clay	352,122	94,619	26.87	19.63	0.92	0.20	0.35	0.10	5.67
Dickinson	234,591	65,980	28.13	20.31	1.38	0.06	0.78	0.18	5.42
Emmet	245,651	65,361	26.61	17.49	0.63	0.48	1.02	1.77	5.22
Lyon	366,339	86,811	23.70	16.61	1.67	0.13	0.06	0.06	5.17
O'Brien	354,389	86,189	24.32	17.59	0.82	0.01	0.06	0.02	5.82
Osceola	250,147	57,102	22.83	15.94	1.24	0.04	0.12	0.07	5.42
Palo Alto	347,024	86,116	24.82	17.02	1.82	0.08	0.62	0.06	5.22
Plymouth	541,097	166,842	30.83	20.68	1.94	0.05	0.15	2.73	5.28
Pocahontas	359,668	71,669	19.93	12.76	0.43	0.18	0.75	0.10	5.71
Sioux	472,677	109,742	23.22	15.75	1.88	0.06	0.12	0.04	5.37
For District	4,239,934	1,078,749	25.44	17.75	1.24	0.11	0.35	0.53	5.46
North Central—									
Butler	354,237	120,486	34.01	25.38	1.61	0.34	0.47	0.41	5.80
Cerro Gordo	346,428	105,909	30.57	23.15	0.86	0.13	0.73	0.21	5.49
Floyd	306,332	92,298	30.13	23.57	0.31	0.32	0.47	0.17	5.29
Franklin	361,862	99,452	27.48	20.68	0.52	0.16	0.37	0.21	5.54
Hancock	355,728	103,353	29.05	19.20	1.08	0.09	0.68	2.38	5.62
Humboldt	266,261	57,841	21.72	14.50	0.51	0.20	0.46	0.20	5.85
Kossuth	604,190	144,391	23.90	16.15	1.18	0.14	0.84	0.21	5.38
Mitchell	286,271	87,584	30.59	23.60	0.27	0.41	0.30	0.56	5.45
Winnebago	249,026	77,273	31.03	19.81	3.18	0.27	1.41	0.34	6.08
Worth	247,040	85,414	34.57	23.10	2.84	0.28	0.54	1.87	5.94
Wright	357,474	87,527	24.48	17.22	0.40	0.25	0.95	0.29	5.37
For District	3,734,849	1,061,528	28.42	20.27	1.10	0.22	0.67	0.58	5.58
Northeast—									
Allamakee	386,861	236,203	61.06	40.23	0.12	6.81	10.54	0.33	3.03
Black Hawk	341,610	117,333	34.35	26.31	0.94	0.38	1.09	0.24	5.29
Bremer	266,496	105,045	39.42	28.64	3.88	0.98	0.77	0.03	5.09
Buchanan	352,612	127,730	36.22	28.78	1.54	0.41	0.50	0.16	4.83
Chickasaw	303,230	115,477	38.08	29.77	1.82	0.66	0.46	0.05	5.32
Clayton	470,791	238,767	50.72	40.26	0.14	3.66	2.47	0.13	4.06
Delaware	351,345	136,413	38.83	31.32	0.70	0.83	1.27	0.10	4.61
Dubuque	369,175	175,370	47.50	39.04	0.09	2.33	2.23	0.24	3.47
Fayette	446,380	187,913	42.10	33.84	1.36	1.06	0.91	0.13	4.80
Howard	296,042	116,371	39.31	31.02	1.65	0.64	0.51	0.35	5.14
Winneshiek	428,725	189,993	44.32	33.32	0.84	2.75	2.31	0.28	4.82
For District	4,013,267	1,746,615	43.52	33.47	1.07	2.01	2.24	0.20	4.53
West Central—									
Audubon	278,256	90,475	32.52	26.75	0.21	0.18	0.17	0.18	5.03
Calhoun	349,585	69,810	19.97	14.40	0.11	0.02	0.23	0.00	5.21
Carroll	358,022	102,384	28.60	21.31	0.60	0.16	0.67	0.09	5.77
Crawford	445,330	145,861	32.75	25.78	0.62	0.17	0.37	0.21	5.60
Greene	351,410	85,650	24.37	18.43	0.33	0.50	0.38	0.02	4.71
Guthrie	365,675	142,535	38.98	31.98	0.28	0.87	1.27	0.06	4.52
Harrison	416,924	134,759	32.32	21.65	0.59	1.01	3.05	1.44	4.58
Ida	272,502	70,284	25.79	19.53	0.25	0.07	0.32	0.12	5.50
Monona	415,586	137,379	33.06	23.34	0.34	0.74	1.92	2.42	4.30
Sac	355,802	87,805	24.67	17.86	0.35	0.06	0.29	0.31	5.81
Shelby	368,952	107,041	29.01	22.43	0.32	0.21	0.64	0.14	5.27
Woodbury	519,436	144,989	27.91	19.27	0.56	1.17	1.11	1.20	4.60
For District	4,497,571	1,318,972	29.33	21.89	0.40	0.47	0.94	0.58	5.05

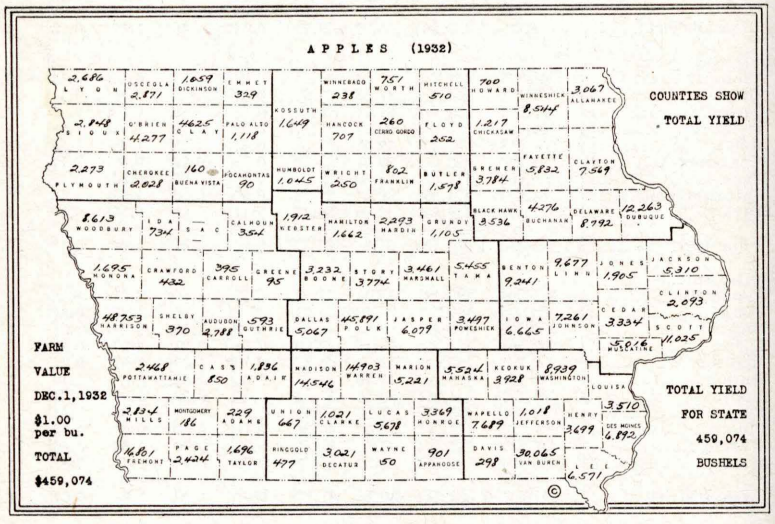
TABLE NO. 9—Continued

Districts and Counties	Total Acreage in Farms	Land Not in Crops		Pasture	Wild Hay	Timber, Wood Lots	Waste Land	Crop Land Idle	Bldgs., Feed Lots, Public Highways
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Central—									
Boone	347,882	97,268	27.96	21.41	0.67	0.36	0.45	0.07	5.00
Dallas	363,977	117,035	32.15	25.31	0.15	0.77	1.07	0.07	4.78
Grundy	313,496	91,807	29.28	22.74	0.58	0.02	0.08	------	5.86
Hamilton	356,911	83,845	23.49	17.05	0.29	0.23	0.56	0.22	5.14
Hardin	346,713	100,089	28.87	21.92	0.45	0.25	0.35	0.07	5.83
Jasper	449,577	165,967	36.92	31.17	0.01	0.14	0.66	0.05	4.89
Marshall	352,249	111,073	31.53	25.23	0.03	0.35	0.45	0.12	5.35
Polk	315,787	101,881	32.26	24.88	0.24	0.51	1.01	0.47	5.15
Poweshiek	364,912	135,285	37.07	31.50	0.01	0.72	0.42	0.19	4.23
Story	347,737	79,336	22.81	17.16	0.22	0.07	0.32	0.01	5.03
Tama	448,290	168,319	37.55	29.64	0.08	1.54	1.13	0.22	4.94
Webster	435,930	108,500	24.89	18.34	0.47	0.71	0.52	0.18	4.67
For District	4,443,461	1,360,405	30.62	24.07	0.26	0.50	0.60	0.14	5.05
East Central—									
Benton	444,245	139,505	31.40	24.93	0.16	0.80	0.26	0.13	5.12
Cedar	353,487	134,549	38.06	31.20	0.02	1.38	0.73	0.23	4.50
Clinton	419,475	162,313	38.69	32.31	0.22	0.79	0.67	0.16	4.54
Iowa	360,489	149,362	41.43	31.95	0.11	2.63	2.12	0.23	4.39
Jackson	392,855	220,905	56.23	49.15	0.11	1.70	1.57	0.70	3.00
Johnson	370,527	156,476	42.23	35.11	0.08	1.93	1.43	0.17	3.48
Jones	351,764	161,433	45.89	39.42	0.01	1.73	0.87	0.02	3.84
Linn	425,191	166,428	39.14	31.81	0.28	1.39	1.11	0.23	4.32
Muscatine	255,742	104,287	40.78	32.01	0.09	1.83	1.40	1.35	4.10
Scott	271,043	96,122	35.46	28.75	0.31	0.43	1.04	0.41	4.52
For District	3,644,818	1,491,380	40.92	33.71	0.14	1.46	1.09	0.33	4.19
Southwest—									
Adair	361,173	141,985	39.31	33.03	0.27	0.52	0.26	0.14	5.09
Adams	267,787	114,219	42.65	35.95	0.34	0.28	0.86	0.11	5.11
Cass	352,094	122,428	34.77	29.08	0.08	0.30	0.53	0.18	4.57
Fremont	300,197	88,065	29.34	17.87	0.18	1.79	2.91	1.88	4.71
Mills	259,518	83,891	32.33	23.08	0.54	1.12	1.53	1.35	4.71
Montgomery	261,379	83,682	32.02	25.30	0.11	0.25	0.92	0.27	5.17
Page	330,408	117,613	35.60	28.94	0.08	0.25	0.86	0.48	4.99
Pottawattamie	564,013	174,252	30.90	22.75	0.38	0.50	1.06	1.13	5.08
Taylor	327,171	140,659	42.99	36.17	0.11	0.62	0.75	0.79	4.55
For District	3,023,740	1,066,794	35.28	27.77	0.24	0.61	1.04	0.72	4.90
South Central—									
Appanoose	313,396	182,221	58.14	49.22	0.26	1.00	2.33	1.22	4.11
Clarke	263,989	127,551	48.32	39.71	0.01	1.96	1.88	0.59	4.17
Decatur	329,395	176,612	53.62	43.95	0.03	1.50	2.89	1.21	4.04
Lucas	262,704	134,372	51.15	42.80	0.02	2.31	2.00	0.32	3.70
Madison	353,381	169,636	48.00	40.43	0.16	1.39	1.07	0.14	4.81
Marion	343,191	143,109	41.70	34.35	0.03	1.36	1.66	0.16	4.14
Monroe	264,494	154,354	58.36	51.32	0.00	0.89	1.65	0.64	3.86
Ringgold	329,924	155,276	47.06	39.18	0.04	1.67	1.08	0.84	4.25
Union	261,910	123,341	47.09	40.36	0.19	0.43	0.58	0.59	4.94
Warren	345,885	157,484	45.53	37.41	0.07	1.30	1.63	0.50	4.62
Wayne	325,798	145,386	44.62	37.91	0.00	0.45	1.15	0.87	4.24
For District	3,394,067	1,669,342	49.18	41.27	0.07	1.29	1.63	0.64	4.28

TABLE NO. 9—Continued

Districts and Counties	Total Acreage in Farms	Land Not in Crops		Pasture	Wild Hay	Timber, Wood Lots	Waste Land	Crop Land Idle	Bldgs., Feed Lots, Public Highways
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Southeast—									
Davis	308,861	174,270	56.42	47.83	0.00	2.01	2.19	1.04	3.35
Des Moines	245,792	108,156	44.00	37.09	----	1.16	1.78	0.21	3.76
Henry	264,382	121,586	45.99	40.60	----	0.43	0.49	0.15	4.32
Jefferson	267,042	127,838	47.87	42.66	----	0.64	0.37	0.52	3.68
Keokuk	355,296	153,310	43.15	35.87	0.01	1.38	1.18	0.22	4.49
Lee	299,227	162,030	54.17	45.13	0.01	2.24	2.44	1.15	3.20
Louisa	230,719	96,285	41.73	34.02	0.03	1.45	1.51	1.18	3.54
Mahaska	353,775	140,327	39.67	32.62	0.03	0.75	1.49	0.41	4.37
Van Buren	299,568	180,614	60.29	53.81	----	1.40	1.03	0.71	3 31
Wapello	256,851	127,374	49.59	40.57	0.02	1.76	2.48	1.14	3.62
Washington	349,501	145,300	41.57	34.13	0.00	1.73	1.23	0.24	4.24
For District	3,231,014	1,537,150	47.57	40.27	0.01	1.37	1.47	0.61	3.84
For State	34,222,721	12,330,935	36.03	28.28	0.53	0.87	1.09	0.46	4.80

Note—"0.00" indicates less than 0.01 per cent; blanks (----) indicate none.



U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU AND
BUREAU OF AGRICULTURAL ECONOMICS

In Co-operation with the

Iowa Weather and Crop Bureau

Annual Report for 1933

Reprint Part XVI of the Thirty-fourth Annual Iowa Year Book of Agriculture

CHARLES D. REED, M. Sc. Agr.

Published by
IOWA DEPARTMENT OF AGRICULTURE
RAY MURRAY, *Secretary*
Des Moines

U. S. DEPARTMENT OF AGRICULTURE
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ANNUAL REPORT, 1933

Cooperation continued with the Weather Bureau and the Bureau of Agricultural Economics both of the United States Department of Agriculture. Parts XVI and XVII of the Year Book were prepared by the Weather and Crop Bureau as usual. Part XVI presents a brief summary of the year's weather and extensive tables and maps of the agricultural statistics of 1933, gathered by assessors under the direction of the Weather and Crop Bureau, which will also be published in a separate pamphlet. Part XVII of the Year Book, summarizing the statistics of the main crops of Iowa for all years of record, is revised and brought up-to-date. The usual weekly and monthly weather and crop bulletins were prepared and published. All publications have been greatly curtailed in response to the popular demand for economy. Due to the stress through which the agricultural region is passing, demands made for information by telegraph, telephone, letter and personal interview were greater than ever before but the facilities for taking care of this increased load were so drastically diminished by the large reduction in appropriations made by the legislature that it was impossible to fully comply with the demands of the public. Many letters had to be written telling people of this fact and stating that it was impossible with our limited help to compile or look up the information desired. It seems too bad to deny the public this service for lack of a few hundred dollars in appropriations.

Testing Corn for Moisture

Testing of field and farm samples of corn for moisture was done as usual, in October and November, 1933. The popularity of this work is shown by the ever widening circle of cooperators willing to devote much time to collecting and forwarding good representative samples. No other state has undertaken such work on such a large scale. Corn was the driest in the six years of record in the fall of 1933 and went into the crib in the best condition so that there was noticeably less shrink than usual in the cribs by the spring of 1934. The results appear elsewhere in this publication. See index.

Hailstorms and Tornadoes

Due to the handicap of curtailed appropriations, it is impossible to publish tornado data as in past years and the hailstorm information also has been greatly curtailed.

CLIMATOLOGY OF THE YEAR

The average temperature of the State of Iowa for the year 1933 was 50.8° which is 2.9° above the 61-year average and 2.6° warmer than the year 1932. All months but February, August and October were above the 61-year average. January, with an average temperature of 32.5° was 14.0° above the 61-year average and established a new record for warm Januaries. June, with an average temperature of 77.8°, was 8.3° above the 61-year average and far exceeded the heat of any other June. It was also the driest June of record and established many other new records in temperature, humidity, rainfall and sunshine. Oats, wheat, barley, hay and pastures were damaged by the adverse June weather. The average length of the growing season between killing frosts was 170 days which is 14 more than the long-time average. Ninety-seven per cent of the corn escaped frost damage.

Rainfall was generally deficient except in March, May and September when moderate excesses occurred. Some west central and south central counties suffered severe damage from drouth throughout the season but over most of the State good rains in July, August and September saved the corn which yielded well over the 10-year average. A serious deficiency in water supply occurred toward the end of the year.

Barometer: (Reduced to sea level.) The average pressure of the atmosphere for the year was 29.99 inches. The highest pressure was 30.93 inches at Charles City and Dubuque on December 28. The lowest

AVERAGE TEMPERATURE DEPARTURE

State of Iowa, Year 1933

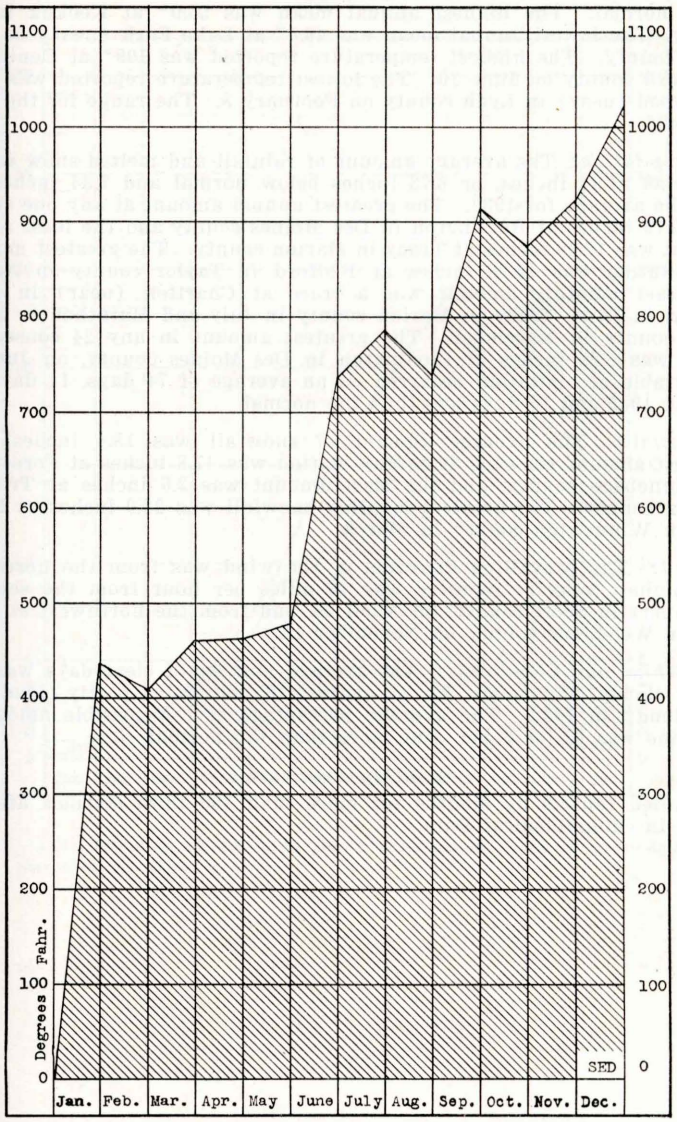


Fig. 1. Line bounding shaded area shows accumulated departure from normal. Upward slope means temperature above normal; downward, below.

pressure was 29.09 inches at Charles City on January 22. The range for the state was 0.94 inch.

Temperature: The mean temperature for the State was 50.8° or 2.9° above normal. The highest annual mean was 55.0° at Keokuk in Lee county. The lowest annual mean was 46.4° at Lake Park (near) in Dickinson county. The highest temperature reported was 109° at Denison in Crawford county on June 10. The lowest temperature reported was —31° at Inwood (near) in Lyon county on February 8. The range for the State was 140°.

Precipitation: The average amount of rainfall and melted snow for the year was 24.94 inches, or 6.73 inches below normal and 7.34 inches less than the average for 1932. The greatest annual amount at any one station was 35.79 inches at Burlington in Des Moines county and the least annual amount was 17.28 inches at Tracy in Marion county. The greatest monthly precipitation was 10.98 inches at Bedford in Taylor county in August. The least monthly amount was a trace at Chariton (near) in Lucas county, in June, Tracy in Marion county in July and Marathon in Buena Vista county in November. The greatest amount in any 24 consecutive hours was 6.28 inches at Burlington in Des Moines county, on June 29. Measurable precipitation occurred on an average of 74 days, 14 days less than in 1932 and 10 days less than the normal.

Snowfall: The average amount of snowfall was 18.4 inches. The greatest amount reported from any station was 47.8 inches at Forest City in Winnebago county, and the least amount was 2.5 inches at Tracy in Marion county. The greatest monthly snowfall was 28.0 inches at Forest City in Winnebago county in March.

Wind: The prevailing direction of the wind was from the northwest. The highest velocity reported was 46 miles per hour from the south at Davenport in Scott county, on April 29, and from the northwest at Sioux City in Woodbury county on November 12.

Sunshine and Cloudiness: The average number of clear days was 176; partly cloudy, 97; cloudy, 92; as against 165 clear, 101 partly cloudy and 100 cloudy in 1932. The average percentage of the possible amount of sunshine was 62, or 3 per cent more than the normal.

Monthly Summaries

Detailed reports by months for more than 100 Iowa stations are published in Climatological Data.

AVERAGE PRECIPITATION

State of Iowa, Year 1933

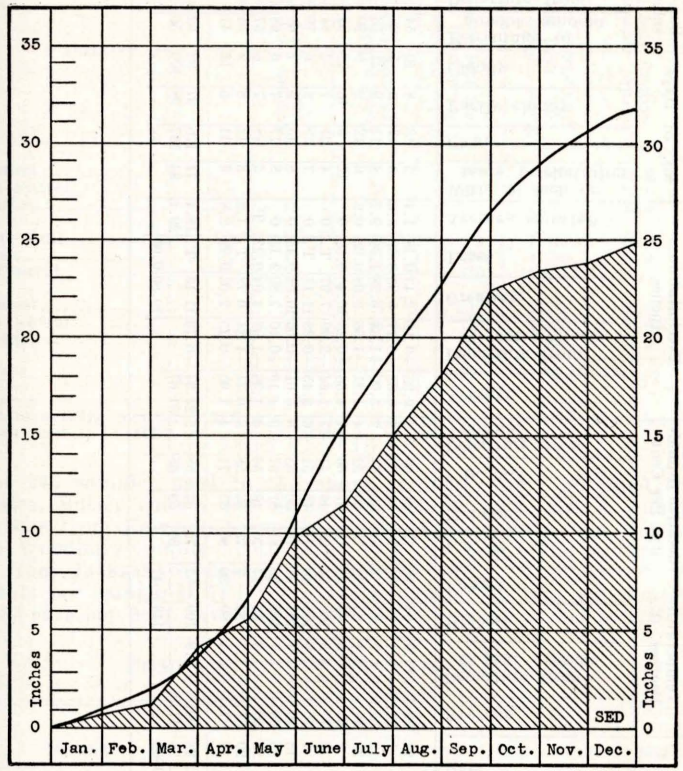


Fig. 2. Line bounding shaded area shows accumulated depth of precipitation in inches. Smooth curve shows normal.

MONTHLY STATE DATA FOR 1933

Month	Barometric Pressure Inches (Sea Level)				Temperature Degrees, F.				Relative Humidity, Per Cent				Precipitation, Inches					No. of Days				Sunshine		Wind	
	Average	Highest	Date	Lowest	Date	Average	Departure from 61-year average	Highest	Lowest	7 a. m.‡	12 noon†	7 p. m.*	Departure from normal	Average	Departure from 61-year average	Greatest	Least	Average snowfall	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy	Percentage of possible amount	Departure from normal	Average hourly velocity	Prevailing direction
January	29.98	30.56	22	29.09	1	32.5	+14.0	62	—10	77	64	69	— 7	0.95	—0.12	2.43	0.18	1.4	5	13	8	10	54	+ 2	9.7	sw.
February	30.11	30.76	1	29.38	9	22.3	— 0.1	69	—31	78	58	63	— 8	0.32	—0.77	0.93	0.03	3.6	3	17	6	5	68	+13	10.6	nw.
March	30.04	30.60	13	29.24	10	36.0	+ 1.7	77	— 3	81	60	64	— 2	3.09	—1.34	6.58	1.36	9.2	8	11	9	11	53	— 4	9.9	nw.
April	29.89	30.42	30	29.24	22	48.8	+ 0.1	85	16	73	50	52	— 4	1.21	—1.56	3.05	0.33	0.2	6	12	9	9	59	— 1	10.3	nw.
May	29.57	30.20	4	29.26	7	60.5	+ 0.6	93	32	78	57	60	+ 1	4.36	+0.23	10.46	0.33	0	12	9	10	12	54	— 6	9.4	se.
June	29.92	30.45	13	29.54	6	77.8	+ 8.3	109	34	65	40	41	—17	1.64	—2.99	7.97	T.	0	4	21	7	2	84	+17	8.2	sw.
July	29.97	30.39	4	29.53	1	76.1	+ 1.8	105	46	74	49	51	— 6	3.45	—0.28	11.13	T.	0	7	19	9	3	79	+ 5	7.4	sw.
August	30.01	30.30	29	26.69	12	70.5	— 1.4	101	41	78	50	53	— 6	3.01	—0.56	10.98	0.45	0	8	15	9	7	68	+ 2	7.0	se.
September	29.89	30.21	5†	29.41	25	69.4	+ 5.7	105	29	81	51	57	— 9	4.19	+0.40	7.89	2.13	0	8	17	7	6	68	+ 5	8.5	sw.
October	30.07	30.52	24	29.60	28	50.1	— 1.3	84	17	76	49	56	— 6	1.36	—1.03	4.04	0.22	T.	5	18	7	6	67	+ 1	8.8	nw.
November	30.07	30.67	16	29.42	20	37.9	+ 1.7	83	— 7	73	53	58	— 8	0.31	—1.24	0.78	T.	1.2	3	13	8	9	54	— 4	10.2	nw.
December	30.11	30.93	28	29.41	14	27.1	+ 3.1	69	—30	80	65	71	— 4	1.05	—0.15	2.03	0.22	2.8	5	11	8	12	41	+ 5	8.7	nw.
State	29.99	30.93	Dec. 28	29.09	Jan. 22	50.8	+ 2.9	109	—31	76	54	58	— 5	24.94	—6.73	11.13	T.	18.4	74	176	97	92	62	+ 3	9.1	nw.
Averages	30.03		Jan. 25		Feb. 28	47.9								31.67				29.4	84	167	98	100	59		8.6	nw.
Records		31.09	1905	28.75	1902			113	—47							19.80	0.00									

‡Local mean time.
*Normal central time.
†And other dates.

IOWA CORN MOISTURE STUDY (October 1933)

Districts	Average date gathered (Oct.)	Total number of samples tested	Total number of fields from which samples were gathered	Total number of ears used in samples	Average moisture content (per cent)	Weights used* (per cent)
Northwest	11	32	219	1,829	18.2	15
North Central	11	25	193	1,512	20.6	11
Northeast	12	31	216	1,306	20.9	7
West Central	12	31	215	1,649	19.0	17
Central	11	33	276	1,765	19.9	15
East Central	12	24	179	1,054	21.3	9
Southwest	11	26	217	1,381	20.5	11
South Central	11	28	170	1,125	20.6	7
Southeast	11	15	91	513	23.9	8
State	11.3	245	1,776	12,134	*20.22	100

*State average moisture content weighted according to the percentage of corn husked in each district in 1932, on acreage basis, as reported by assessors.

The 245 samples used in the above summary were obtained from 98 counties, Butler county not being represented. The driest sample this year was from Fairfield township, Buena Vista county, and Grant township, Woodbury county—both with 14.9 per cent. The wettest sample was from Jackson township, Des Moines county. The average number of fields per sample is 7.3; the average number of ears per sample, 50.6, or 6.83 ears per field. Average weight per measured bushel is 53.8 pounds.

COMPARATIVE TABLE (October tests)

District	1928	1929	1930	1931	1932	1933	6-Year Avg.
Northwest	18.7	25.0	23.3	18.6	22.1	18.2	21.0
North Central	25.0	27.9	23.7	20.6	25.1	20.6	23.8
Northeast	27.4	29.0	24.1	23.6	27.2	20.9	25.4
West Central	20.5	26.8	22.9	19.9	23.4	19.0	22.1
Central	21.1	26.6	22.2	21.4	24.0	19.9	22.5
East Central	24.5	27.6	23.0	22.9	24.7	21.3	24.0
Southwest	20.4	31.5	25.2	20.8	22.7	20.5	23.5
South Central	21.7	31.4	23.8	21.9	24.3	20.6	24.0
Southeast	22.8	32.1	23.0	21.9	23.8	23.9	24.6
State (weighted average)	21.8	28.1	23.4	20.9	23.9	20.2	23.0

IOWA CORN MOISTURE STUDY (November, 1933)

Districts	Average date gathered (Nov.)	Total number of samples tested	Total number of fields or cribs from which samples were gathered	Total number of ears used in samples	Average moisture content (per cent)	Weight per measured bushel (lbs.)
Northwest	20	28	162	1,243	15.7	55.5
North Central	20	29	169	1,259	16.9	55.6
Northeast	20	31	168	1,116	17.9	55.2
West Central	20	32	179	1,531	15.9	56.2
Central	20	36	255	1,648	16.6	55.2
East Central	20	30	182	1,077	18.0	55.5
Southwest	20	26	175	1,260	16.1	56.2
South Central	20	26	144	940	16.8	55.9
Southeast	20	22	113	719	17.8	54.6
State	20.0	260	1,547	10,793	*16.65	*55.60

*Weighted according to the percentage of corn husked in each district in 1932, on acreage basis, as reported by assessors.

The 260 samples used in the above summary were obtained from 98 counties, Bremer county not being represented on account of the sample being gathered too late. The driest sample was from Washington township, Fremont county. The average number of fields per sample is 6.0, the average number of ears per sample, 42.7, or 7.0 ears per field, or crib. As practically all the corn was husked at the time these samples were gathered, most of them were gathered from cribs.

COMPARATIVE TABLE (November tests)

District	1928	1929	1930	1931	1932	1933	6-Year Avg.
Northwest	18.8	20.4	18.0	17.4	18.7	15.7	18.2
North Central	22.1	21.0	19.0	18.6	20.7	16.9	19.7
Northeast	22.8	21.9	19.0	19.8	22.4	17.9	20.6
West Central	19.0	20.5	17.6	17.4	18.6	15.9	18.2
Central	19.6	20.5	17.7	18.8	20.4	16.6	18.9
East Central	21.0	21.8	18.9	19.0	20.4	18.0	19.9
Southwest	18.6	22.0	17.7	18.6	18.7	16.1	18.6
South Central	19.2	22.4	17.4	18.5	18.9	16.8	18.9
Southeast	20.1	22.1	17.9	18.7	19.5	17.8	19.4
State (weighted average)	19.8	21.2	18.1	18.4	19.6	16.7	19.0

FARM STATISTICS FOR THE YEAR ENDING DECEMBER 31, 1933

Collected by Assessors and Tabulated by the Iowa Weather and Crop Bureau, Des Moines, Iowa.

Almost insurmountable difficulties attended the checking, tabulation and summarization of assessors' statistics of the crops of 1933. The 45th General Assembly reduced the appropriation for the Iowa Weather and Crop Bureau so severely that after cutting salaries of all regular employees drastically and eliminating every penny of expense for miscellaneous items not procurable through the Executive Council, there remained only about one-third the usual amount for miscellaneous clerk hire. It requires normally about six or eight expert computing machine operators and clerks for about three months to check and tabulate these statistics. The amount appropriated by the legislature permitted the employment of only two girls. Had it not been for unexpected assistance through CWA, CWSA, AAA, etc., the assessors' statistics of 1933 could never have been tabulated. It seems to be difficult for legislatures to understand that any kind of agricultural adjustment in Iowa must hinge upon exact statistical information such as the assessors' reports afford. These statistics are essential for every plan for land utilization, modification of cropping practices, land valuations, equity in taxation and a score of other things fundamental to Iowa agriculture; and without a well-ordered agriculture there is little left to Iowa.

Unless funds become available from some mysterious and now unknown source, this may be the last of the assessors' agricultural statistics.

Business interests desiring information that would aid them in purchasing Iowa agricultural products, factories that are seeking locations near the source of agricultural raw materials and financial institutions studying Iowa as a field for investment have been repeatedly denied essential information because of the handicap that has been placed upon the Iowa Weather and Crop Bureau by decreased appropriations.

New influences were present as the assessors went about from farm to farm asking the farmers the usual statistical questions. Undoubtedly this has introduced a slight bias in the acreage and production of such crops as are influenced by the corn-hog adjustment program of the Federal government.

These influences are not reflected in the total acreage in farms, which, for the year 1933, was reported as 34,310,513. This is an increase of 87,792 acres, or 0.26%. Such an increase has been the rule rather than the exception with these statistics for a long period of years and is probably an actual and legitimate increase. The number of farms reported was 213,769, which is an increase of 1,533, or 0.72%. It is difficult to see how this increase could be in any way related to the corn-hog adjustment program. The average size of farms in 1933 was 160.5 acres which is a decrease of 0.7 acre. All of this might indicate expansion into "marginal land" because of the economic stress that is moving the city population into the country.

Farm Tenancy Continues Increase

Continuing the tendency of many years, the acreage operated by tenants increased 351,783 to a total of 20,089,593 acres, or an increase of 1.78%. Of all the land in farms, 58.6% was operated by tenants in 1933 as compared with 57.7% in 1932. While tenancy did not gain quite as fast in 1933, the trend in that direction is unmistakable.

The county having the greatest percentage of tenancy was Emmet with 75.0%, while the least tenancy was in Dubuque county with 32.7%. Decreased tenancy is shown in 23 of the 99 counties. The greatest decrease was in Sioux county where 11,232 less acres were operated by tenants in 1933 than in the preceding year. The greatest increase was in Adair county where 18,898 more acres went under tenancy and Van Buren, a close second, with 18,892 more acres.

Spring Pigs Decrease

Our figures relative to the number of sows bred for spring pigs are largely enumerated soon after January 1 though the assessors do not complete their enumeration until toward the close of March. With the active campaign to reduce hog production that was under way from January to March, it is hard to tell how much this influenced the results of this inquiry. Since the final results of the corn-hog reduction campaign indicated a much larger reduction than the assessors' figures, it is probable that a good many farmers changed their plans after the enumerations made by the assessors. The number of sows bred for spring pigs reported was 1,597,561, which is a reduction of 84,485 as compared with the preceding year, or expressed in percentage, a reduction of approximately 5%. In 1930 when the Government census asked a similar question, the assessors' enumerations compared very favorably with the census and it is believed that for several years the assessors' enumerations of sows bred for spring pigs have been better than we have been inclined to give them credit for. It will be impossible to judge of the accuracy of the data until many lines of collateral evidence are brought to bear on the problem such as the marketing of hogs, rural carriers' surveys, and final results of the corn-hog reduction campaign. The figures as they stand show a reduction in every county but Plymouth, Dubuque, Hamilton, Mills, Fremont, Taylor and Ringgold. Some of the large reductions were in O'Brien, Jasper, Crawford, Shelby and Carroll counties. The reduction of the last three named was probably due in part to the shortage of feed from last year's rather poor crop.

Corn Production

Comparison with the last government census shows that assessors' enumerations of corn acreage and production were quite satisfactory. Moreover, each year the assessor as he goes about from farm to farm makes a rather careful check-up of the acres reported in the various crops compared with the total acres in each farm and in the office of the Iowa Weather and Crop Bureau a careful check is made of the total acreage reported in farms as compared with the total acreage known to be in the township and also the total acreages of the various crops in every township are carefully balanced against the total acreage reported in farms. The discrepances amount to only small fractions of one per cent. The same careful methods were used relative to the 1933 reports. The total acres reported in corn were 11,527,166 as compared with 11,720,280 in 1932. This is a decrease of 193,114 acres, or about 2%. Many lines of inquiry through the season of 1933 conducted jointly by this office and the U. S. Bureau of Agricultural Economics indicated a somewhat greater reduction in corn acreage in 1933. There were ample reasons for each individual farmer in reporting to the assessor between January 1 and March 31, 1934, to report his corn acreage rather high. The question to be decided is whether the present report is nearer the exact truth or whether previous reports have been slightly on the low side. Our statistical reports have frequently been criticized by farmers and others on the ground that the acreage and production of crops, particularly corn, were too high. We have always believed that if there were any discrepancy it was in the direction of reporting too low instead of too high due to the general bias common to all humanity, of reporting low on everything that has to do with an inquiry made by an assessor. Obviously, with the information now at hand, it is impossible to judge whether or not the corn acreage and production of the crop of 1933, as reported by assessors, is higher than it should be. Future enumerations and other lines of inquiry may afford some clues. Assuming that the reports of 1932 and 1933 are comparable, about two-thirds of the counties, mostly in the southern and eastern portions of the State, reported appreciable decreases in acreage, while most of the counties along the Missouri River and northeastward to the north central counties reported general increases in acreage. Jasper leads in the decrease with about

11,000 less acres of corn which is a very good reason for it also leading in the decrease in sows bred for spring pigs. The largest increase, amounting to about 9,000 acres, was in Plymouth county but this was accompanied by only a very slight increase in the number of sows bred for spring pigs.

In the matter of yield of corn per acre, there are good reasons to believe that farmers reported to the assessors at least 2 bushels per acre higher than the actual facts. One of the best indications of this is in the reports of township crop reporters in the fall of 1933. Heretofore these reports have agreed very closely with the reports of assessors. This year the assessors' reports are about 2 bushels higher. As the figures stand, the average yield per acre reported by assessors, was 43.6 bushels, making the total production, 500,214,435 bushels. This is 202,972 bushels less than last year, a decrease too small to express in percentage. There were good reasons why in the final enumerations the 1933 crop should turn out better than the 1932 crop. In the fall of 1932 just prior to the peak of corn husking, a heavy general snowstorm broke off and covered up a large amount of corn. Reports of township crop reporters for that crop should have been discounted accordingly. Also the moisture content of the corn in the cribs in November, 1932, was greater than in 1933. In contrast, husking conditions in the fall of 1933 were almost ideal and the percentage of moisture in the corn, shown by actual tests of thousands of cribs well distributed in each county, showed less moisture than before in the 5 years since such tests began. Probably never before has a corn crop shown less shrinkage in the crib between husking time and the time the assessors visited the farms in the following spring than occurred with the 1933 crop. The quality was so good that much of it graded No. 2 almost immediately following husking. Here again the question arises as to whether all reports heretofore have been conservative or slightly under the true amount or whether the present report is more nearly correct. It seems probable that this question can never be settled very exactly. Taking the figures as they stand, the average yield per acre was 5.9 bushels above the 10-year average (1923-1932). However, the yield was considerably below the 10-year average in the drouth stricken west-central counties centering in Crawford and in a belt about two counties wide from Wayne and Appanoose, north to Jasper and Poweshiek. The decrease in the latter area was largely a matter of chinch bugs. All of the other counties showed yields above the 10-year average and the principal increase was in the northwest, north central and central counties in which Mitchell county led with 15.6 bushels per acre above its 10-year average.

Once again the highest yielding township was Springdale township, Cedar county, where the average was 65.2 bushels compared with 64.3 bushels in 1932.

Corn acreage husked decreased about 1.5% which is approximately the same as the general decrease in acreage, while the acreage put in silo and cut for fodder each increased about 3% and that hogged down decreased 18%.

Oats Production Decreases

Farmers did not intend to decrease oats production in the spring of 1933 as shown by the fact that the total acreage harvested was 6,246,645 which is an increase of 98,567 acres, or 1.6%. However, nature took a hand in the way of an unprecedentedly hot and dry June, at the critical blooming and filling period of the oats, which resulted in a yield per acre of only 22.9 bushels as compared with a 10-year average (1923-1932) of 35.5 bushels. In other words, it is little more than half a crop. With the yield of oats at only 22.9 bushels per acre, the total production amounted to 142,846,538 bushels, which is a decrease of 74,199,401 bushels, or 34%. This is the smallest total production of oats in Iowa since 1911 and the smallest yield per acre in the 44 years of authentic crop records. When there is any considerable reduction in corn acreage, the residual acres

must be looked for in other crops that have large acreages. In this case the increase in oats acreage accounted for about half the decrease in corn acreage. The other minor grain acreages such as winter wheat, spring wheat, barley, rye, timothy seed and pop corn all showed decreased acreages. The increases are in flax seed, buckwheat, tame hay, soy beans, sweet clover for seed, potatoes and miscellaneous minor crops. Since tame hay has the third largest acreage in cultivated crops and tame hay shows an increase of 452,179 acres, it is probable that the oats acreage of 1932 had considerable clover and timothy seeded with it. The total acreage in cultivated crops was 22,238,505 which is an increase of 346,719 acres. In addition to this, the total acreage in farms is made up of buildings, feed lots and highways, 1,599,676; wild hay, 183,760; pastures, 9,366,620; wood lots not pastured, 283,624; waste land in farms, 347,515; and crop land lying idle, 290,813, or a net total of 12,072,008 acres, which is a decrease of 258,927 acres over 1932. The rest of the decrease in corn acreage not accounted for in oats must therefore be destributed among those acreages showing an increase. Tame hay being the largest, no doubt accounts for most of it, but since the way to the tame hay crop is through seeding with oats as a nurse crop, such a shift from corn to the tame hay must come with an increased oats acreage in the preceding year. While there was an increase of 77,258 acres of oats in 1932, this does not wholly account for the shift from corn to tame hay in 1933.

Oats acreage decreased decidedly in the west central counties due to the springtime drouth which caused the abandonment of many acres before harvest time and in the south central counties where chinch bugs did much of the harvesting.

Tame Hay Production Decreased

Though there was an increase of 452,179 acres, or 16.0% in the acreage of all tame hay, the yield per acre was only 1.26 tons as compared with 1.55 tons per acre in 1932, so that the total production of tame hay in 1933 was 4,137,454 tons as compared with 4,381,537 tons in 1932. The increase in tame hay acreage was greater than that of any other crop. There were some interesting shifts in the different kinds of tame hay. Pure stands, or nearly pure stands, of clover increased 394,910 acres, mostly at the expense of pure stands of timothy which decreased by nearly an equal amount. There was also nearly as much of an increase in the acreage of mixed clover and timothy.

One of the interesting features in the steady, consistent increase in alfalfa acreage is its gradual spread to all of the counties of the State. Not since the considerable winter-killing of the winter of 1916-1917 has there been a decrease in the acreage of alfalfa. It has now reached the considerable total of 609,447 acres which, with the large tonnage per acre, 2.30, makes the total tonnage of alfalfa in 1933 more than one-third of the total tame hay tonnage. In recent rather adverse years, it has shown its tenacity and dependability. However, the yield per acre in 1933 was a half ton less than in 1932 which made a decrease in the total production.

Pottawattamie county leads the rest of the State with 26,077 acres of alfalfa which is an increase of about 2,300 acres in the last year. All of the southwest counties are coming back to alfalfa after having temporarily reduced the acreage by more than half a few years ago. Alfalfa wilt and pea aphis have been unfavorable for alfalfa in some of the southwest counties. The largest increase in alfalfa in the last year is about 4,400 acres in Jackson county.

Timothy Seed Continues to Decrease

Iowa seems to be rapidly backing out of its place as the leading timothy producing state. In 1933 the total acreage of timothy harvested for the seed was 127,051 which is a decrease of 39,097 acres, or about 24%. Wayne county seems to have relinquished its leadership as a world center of timothy seed production. Iowa county led in 1933 with 12,977 acres, while Wayne had 12,200 acres. The yield per acre of timothy seed was 3.1 bushels, making the total crop 394,048 bushels. This is only a little more than half of the total crop of 1932.

Perhaps the advent of alfalfa and other leguminous soil builders explains the increasing unpopularity of timothy. Legumes also fill a need for protein to balance corn in the rations of livestock which timothy does not fill.

Large Increase in Clover Seed

Weather conditions in July and August, 1933, seem to have been favorable for setting a good crop of clover seed over a rather wide area. The average yield per acre was only 0.75 bushel which is somewhat less than the average over a long period of years but the seed crop was considered worth saving very generally in the southeast one-half of the State which resulted in harvesting a total of 190,459 acres for seed which is an increase of about 145% above the 1932 crop. The total production of seed was 142,688 bushels, which is an increase of about 110%. Washington county had the largest acreage, 7,288, while several counties exceeded 5,000 acres.

This large increase in clover seed was very opportune in view of the campaign to reduce the acreage of feed grains.

Sweet clover for all purposes seems to be waning in popularity, having decreased steadily each year from a peak of 291,748 acres in 1929 to 196,348 acres in 1933. However, the production of sweet clover seed in 1933 showed an increase of 3,704 acres to 9,389. This is an increase of 65% in the acreage while the seed production increased 101% to a total of 28,069 bushels. This may indicate a revival of the use of sweet clover which like its near relative, alfalfa, is admirably adapted to stand the adversities of heat and drouth to which Iowa has been subject in the last two or three years.

Soy Beans Increase in Popularity

Soy beans harvested for the beans increased 35,920 acres to a total of 82,269 in 1933. This is an increase of nearly 78%. The total production of beans increased from 570,029 bushels to a total crop of 1,388,329 bushels, which is an increase of about 70%. Soy beans for hay showed a slight decrease of about 7% while soy beans sown with other crops remained nearly constant with an acreage of 28,786 in 1933. The total acreage in soy beans sown alone, for both beans and hay, was 210,855, of which Black Hawk county contributed the greatest county total of 10,869 acres and Davis county a close second with 9,074 acres. However, in soy beans harvested for the beans, Davis county leads with 4,160 acres as against 3,762 acres in Black Hawk county. As yet the western counties have not extensively taken up the culture of soy beans. The reason for this is not apparent. The largest .county yield per acre was 26.2 bushels in Shelby county but only 34 acres were harvested for the beans in that county. A 7-acre patch of beans in Plymouth county yielded 23.6 bushels per acre. Boone county had an average yield of 24.9 bushels per acre on 275 acres.

Soy beans have great merit as a late planted forage crop to occupy acreage that has failed due to excessive rains in the spring or to drouth and heat. Heretofore corn has been about the last resort for such late planting though sudan grass, grain sorghums and millet have been used to some extent. Soy beans have the merit of taking the place of cereal grains where chinch bugs have caused failures, since the chinch bugs will not damage the soy beans.

Flax Seed Increases

Flax seed acreage increased about 9,602 acres to a total of 28,292. This is an increase of 51%. The heat and drouth of June were unfavorable for flax and reduced the yield per acre to 6.2 bushels as compared with the 10-year average yield per acre of 9.7 bushels. The total production was 174,127 bushels which is an increase of only about 3% over 1932. A great many farmers tried flax for the first time in 1933. For the last

20 years or so the acreage has been confined almost wholly to the three northern tiers of counties. In 1933 the acreage extended into nearly all of the southern counties. The adverse season of 1933 did not give these trial acres a fair chance. With anything like a normal season, the present wilt resistant varieties of flax that are available should give good results anywhere in Iowa. Moreover the recent rehabilitation of the linseed factory in Des Moines greatly facilitates the marketing of flax seed. There is every reason to believe that the demand for flax seed will be strong for some time to come.

Horse Colts Increase

Friends of the horse will be gratified to find that on January 1, 1934, there were on the farms of Iowa 34,039 horse colts under one year old which is an increase of 8,867 over the previous year, or 35%. The decline in horse production seems to have reached its lowest point in the year ending January 1, 1933. The increase in the last year may mark the turning point to the return of the horse to its own on the Iowa farms. However, 34,000 colts born in a year is not half enough to maintain the horse requirements of Iowa farms, even when making due allowance for a reasonable number of tractors where tractors can be used more efficiently than horses. There was an increase in colts in almost every county. Belts where the increase amounted to 100 colts or more per county extend from Page, Taylor and Ringgold counties to Pocahontas county and from Appanoose, Davis, Van Buren and Lee counties northward to Allamakee county. Mule colts showed a very slight decrease.

Tractors Show Slight Increase

Tractors on Iowa farms January 1, 1934, numbered 54,464 which is an increase of 1,186, or 2%, over 1933. This bears out the statement in the preceding paragraph that colt production is yet far from adequate to maintain the necessary horsepower of Iowa farms. Since 1930 tractors have steadily decreased until this year. Though most of the counties show an increase in tractors, there are well defined areas of decrease in tractors running from Plymouth and Cherokee southeast to Audubon county and over most of the south central and southeast counties and in scattered areas such as Harrison, Boone, Delaware, Dubuque, Jones and Jackson counties. The largest increase was 77 tractors in Monona county.

Automobiles Show Slight Increase

Since reaching a peak in 1930, automobiles on Iowa farms steadily decreased until during the year 1933 there was a slight increase. The number on farms on January 1, 1934, was 195,107 which is an increase of 3,236, or nearly 2%. There was a marked variation in the tendency of automobiles in adjacent counties. In some counties there was a decided decrease and in an adjoining county a marked increase. The principal area of decrease is from Wayne county northeast to Clayton county while the principal area of increase is from Adair, Madison, Warren and Marion counties northward to the north line of the State. The largest county increase is 143 in Page county, followed closely by Warren with 139. The largest decrease was 86 in Plymouth county, while Winneshiek was a close second with 84 less automobiles.

Radio Sets Increase Slightly

After a decided decline in the number of radio sets in operation during the last few years, there was a slight rally in this interesting and important part of farm equipment during the year 1933 so that on January 1, 1934, there were 71,467 radio receiving sets operating on farms which is an increase of 2,104, or 3%. A radio receiving set on the farm is not a pure luxury as it is to most city people but it is a real necessity in keeping the farmer informed as to markets and economic trends which have a vital bearing upon his plans. With little or no farm products moving to market a year ago, farmers lost interest in their radio sets but with the slight improvement in prices and more active marketing, farm owned radio sets seemed definitely on the upturn. However, a considerable part of this apparent increase is not in the purchase of new sets

but in the rehabilitation of old sets by the purchase of batteries and tubes. Many an expensive radio set on farms has gone into disuse for lack of ready cash to purchase these essential items that have worn out. About every third farm now has a radio set in operation. The largest increases are in those counties where crop production was most satisfactory in the year 1933. Webster county had the largest increase, 212, while Clayton county had the largest decrease, 174. On January 1, 1934, Pottawattamie county was in the lead with 1,566 farm owned radio sets in operation while Wapello and Davis counties were at the bottom of the list with 294 each. However, Montgomery county leads with the largest per cent of farms equipped with radio sets. In that county 53.85% of the farms are so equipped. Next to this stands Cherokee with 51.51% and Sac county with 51.09%. The smallest per cent of farms equipped with radio sets is in Appanoose county where it amounts to only 12.64%.

Hail Damage Was Rather Large

During the crop season of 1933, hail damage as reported by the assessors amounted to $3,188,099 which is an increase of $1,111,098, or 53.5% over 1932. Part of this increase may be due to the higher prices per bushel at which the damaged crops were valued. The county having the largest damage was Winneshiek with $503,935, but the greatest township damage was in Elk township, Buena Vista county, where it amounted to $111,338. The counties reporting no hail were Appanoose, Clarke, Dallas, Decatur, Guthrie, Lucas, Marion, Marshall, Mills, Van Buren, and Wayne, a total of eleven. Hail damage was reported from 434 townships, or 27% of the total number of townships. In the townships reporting hail damage, it is probable that less than half of the area of the townships were covered which gives a rough idea as to the area of the State having hail damage. From this it appears that not more than 12 to 15 per cent of the State suffered hail damage.

Crop Land Idle

Land which ordinarily produces crops but which for some reason in 1933 did not produce a crop amounted to 290,813 acres which is an increase of 130,769 acres, or 81.7%. In this land are the areas where drouth, hail, insects or other causes destroyed crops or prevented planting. In some years considerable areas do not raise crops on account of floods but not much of this is believed to have taken place in 1933. Not much of this acreage lay idle on account of economic adversity.

Pastures Continue Decline

For several years there has been a lamentable tendency to put submarginal acreages that should be in pastures, into cultivation. In continuation of this tendency, pastures in 1933, as reported by assessors, totaled 9,366,620 acres, which is a decrease of 310,982 acres, or 3.2%. There is much land in Iowa which was never intended for anything but pasture or wood lots. To put this land under the plow is to ruin it forever by erosion. Some land in Iowa is already permanently ruined and it is doubtful if any agency of man or Nature can ever restore it. At least it cannot be done economically. There is great need for a land utilization policy that will make proper use of such land. One of the greatest needs of Iowa is an adequate timber supply. Under some sort of state or government supervision which would insure a continuity of policy and care, hundreds and thousands of acres of Iowa land could be put to forests which within a generation would go far to supply the state's fuel and building needs and the timber crop value if distributed back over the period of growth would grow larger annual net income than can possibly be attained by the present hit or miss methods of individual ownership and policy. Unfortunately many farm wood lots have been sacrificed to meet the fuel needs during recent years of economic adversity.

Many Other Interesting Details

On the succeeding pages are many other interesting details which the reader can readily dig out for himself together with numerous maps that give a graphic picture of Iowa agriculture.

GENERAL SUMMARY

Assessors' Crop and Other Farm Statistics, for the Year 1933

Total acreage in farms	34,310,513
*Total number of farms	213,769
Average size of farms (acres)	160.5
Number of acres owned by operator (41.4 per cent)	14,220,920
Number of acres rented by operator (58.6) per cent	20,089,593
Total acreage cultivated crops (not including wild hay or red clover seed)	22,238,505

ACREAGE, AVERAGE AND TOTAL YIELD OF CROPS

Corn (total crop for all purposes)	11,527,166	43.6 bu.	500,214,435
Corn husked or snapped for grain	10,474,451	43.5 "	455,419,012
Corn cut for silage	254,968	9.2 tons	2,343,547
Corn cut for fodder	513,232		
Corn hogged down or grazed off	284,515		
Oats	6,246,645	22.9 bu.	142,846,538
Winter wheat	208,042	18.2 "	3,792,626
Spring wheat	34,309	13.1 "	449,261
Barley	532,584	15.9 "	8,484,164
Rye, for grain	33,448	13.0 "	434,498
Tame hay (all)	3,270,905	1.26 tons	4,137,454
All clover and timothy hay	2,318,283	1.02 "	2,361,480
Alfalfa hay	609,447	2.30 "	1,403,937
All other tame hay	343,175	1.08 "	372,037
Wild hay	183,760	0.88 "	160,826
Flax seed	28,292	6.2 bu.	174,127
Potatoes	52,580	68.7 "	3,611,126
Buckwheat	4,360	13.3 "	57,797
Soy beans (for beans)	82,269	16.9 "	1,388,329
Pop corn	6,730	1,690 lbs.	11,376,356
Timothy seed	127,051	3.1 bu.	394,048
Clover seed (red, alsike, etc.)	190,459	0.75 "	142,688
Sweet clover seed	9,389	2.99 "	28,069
Crops not otherwise enumerated	74,735		

DUPLICATED AND MISCELLANEOUS ACREAGES

Soy beans, sown with other crops	28,786
†Clover hay, alone	779,014
†Timothy hay, alone	295,767
†Mixed clover and timothy hay	1,243,502
‡Soy bean hay	128,586
‡Grain cut green for hay	121,056
‡Sudan grass hay	21,541
Sweet clover for all purposes	196,438
Land occupied by farm buildings, feed lots and public highways	1,599,676
Waste land in farms	347,515
Farm wood lots, not pastured	283,624
Crop land lying idle	290,813
Pastures	9,366,620

MISCELLANEOUS ITEMS

Tractors on farms January 1, 1934	54,464
Automobiles on farms January 1, 1934	195,107
Auto trucks on farms January 1, 1934	20,177
Radio receiving sets on farms January 1, 1934	71,467
Apples harvested in 1933, total bushels	432,044
Damage to crops by hail during 1933, dollars	3,188,099
Colts, number of horses under one year old on farms January 1, 1934	34,039
Colts, number of mules under one year old on farms January 1, 1934	1,553

*A "farm" may consist of any tract of land of not less than three acres, used for agricultural purposes, operated by one person with or without the assistance of his family or hired employees. A partnership is considered as one farm.

†Included above in table as part of "All clover and timothy hay."

‡Included above in table as part of "All other tame hay."

COMPARISON OF ASSESSORS' REPORTS

		Reported for 1932	Reported for 1933		Actual Change	Per Cent 1933 Is of 1932
Total acreage in farms		34,222,721	34,310,513	+	87,792	100.3
Total number of farms		212,236	213,769	+	1,533	100.7
Average size of farms (acres)		161.2	160.5	—	0.7	99.6
Number of acres owned by operator		14,484,911	14,220,920	—	263,991	98.2
Number of acres rented by operator		19,737,810	20,089,593	+	351,783	101.8
Total net acreage of cultivated crops		21,891,786	22,238,505	+	346,719	101.6
Corn (total, for all purposes)	Acres	11,720,280	11,527,166	—	193,114	98.4
Corn, husked or snapped for grain	"	10,628,334	10,474,451	—	153,883	98.6
Corn, cut for silage	"	247,081	254,968	+	7,887	103.2
Corn, cut for fodder	"	497,554	513,232	+	15,678	103.2
Corn, hogged down or grazed off	"	347,311	284,515	—	62,796	81.9
Oats	"	6,148,078	6,246,645	+	98,567	101.6
Winter wheat	"	229,104	208,042	—	21,062	90.8
Spring wheat	"	35,260	34,309	—	951	97.3
Barley	"	536,569	532,584	—	3,895	99.3
Rye, for grain	"	41,259	33,448	—	7,811	81.1
Tame hay (all)	"	2,818,726	3,270,905	+	452,179	116.0
Clover hay, alone	"	384,104	779,014	+	394,910	202.8
Timothy hay, alone	"	675,207	295,767	—	379,440	43.8
Mixed clover and timothy hay	"	878,227	1,243,502	+	365,275	141.6
All clover and timothy hay	"	1,937,538	2,318,283	+	380,745	119.7
Alfalfa hay	"	537,126	609,447	+	72,321	113.5
All other tame hay	"	344,062	343,175	—	887	99.7
Wild hay	"	180,924	183,760	+	2,836	101.6
Flax seed	"	18,690	28,292	+	9,602	151.4
Potatoes	"	48,561	52,580	+	4,019	108.3
Buckwheat	"	2,640	4,360	+	1,720	165.2
Soy beans (for beans)	"	46,349	82,269	+	35,920	177.5
Pop corn	"	15,266	6,730	—	8,536	44.1
Timothy seed	"	166,148	127,051	—	39,097	76.5
Clover seed (red, alsike, etc.)	"	77,767	190,459	+	112,692	244.9
Sweet clover seed	"	5,685	9,389	+	3,704	165.2
Crops not otherwise enumerated	"	59,171	74,735	+	15,564	126.3
Soy beans sown with other crops	"	28,944	28,786	—	158	99.5
Soy bean hay	"	138,764	128,586	—	10,178	92.7
Grain cut green for hay	"	83,355	121,056	+	37,701	145.2
Sudan grass hay	"	26,182	21,541	—	4,641	82.3
Sweet clover (for all purposes)	"	202,494	196,348	—	6,146	97.0
Buildings, feed lots, highways	"	1,643,160	1,599,676	—	43,484	97.4
Waste land in farms	"	372,255	347,515	—	24,740	93.4
Farm wood lots, not pastured	"	296,950	283,624	—	13,326	95.5
Crop land lying idle	"	160,044	290,813	+	130,769	181.7
Pastures	"	9,677,602	9,366,620	—	310,982	96.8
PRODUCTION OF PRINCIPAL CROPS						
Corn, total crop	Bus.	500,417,407	500,214,435	—	202,972	100.0
Corn, husked or snapped for grain	"	454,243,344	455,419,012	+	1,175,668	100.3
Corn put up for silage	Tons	2,269,648	2,343,547	+	73,899	103.3
Oats	Bus.	217,045,939	142,846,538	—	74,199,401	65.8
Winter wheat	"	3,673,826	3,792,626	+	118,800	103.2
Spring wheat	"	420,281	449,261	+	28,980	106.9
Barley	"	12,770,884	8,484,164	—	4,286,720	66.4
Rye, for grain	"	509,442	434,498	—	74,944	85.3
Tame hay (all varieties)	Tons	4,381,537	4,137,454	—	244,083	94.4
All clover and timothy hay	"	2,404,012	2,361,480	—	42,532	98.2
Alfalfa hay	"	1,503,625	1,403,937	—	99,688	93.4
All other tame hay	"	473,900	372,037	—	101,863	78.5
Wild hay	"	207,772	160,286	—	46,946	77.4
Flax seed	Bus.	169,509	174,127	+	4,618	102.7
Potatoes	"	5,296,392	3,611,126	—	1,685,266	68.2
Buckwheat	"	35,212	57,797	+	22,585	164.1
Soy beans	"	818,300	1,388,329	+	570,029	169.7
Pop corn	Lbs.	25,009,357	11,376,356	—	13,633,001	45.5
Timothy seed	Bus.	749,496	394,048	—	355,448	52.6
Clover seed (red, alsike, etc.)	"	67,981	142,688	+	74,707	209.9
Sweet clover seed	"	13,936	28,069	+	14,133	201.4
Apples	"	459,074	432,044	—	27,030	94.1
MISCELLANEOUS ITEMS						
Tractors on farms Jan. 1, 1933 and 1934	No.	53,278	54,464	&	1,186	102.2
Autos on farms Jan. 1, 1933 and 1934	"	191,871	195,107	+	3,236	101.7
Auto trucks on farms Jan. 1, 1933 and 1934	"	21,407	20,177	—	1,230	94.3
Radio sets on farms Jan. 1, 1933 and 1934	"	69,363	71,467	+	2,104	103.0
Colts on farms Jan. 1, 1933 and 1934(horses)	"	25,172	34,039	+	8,867	135.2
Colts on farms Jan. 1, 1933 and 1934(mules)	"	1,626	1,553	—	73	95.5
Damage to crops by hail	Dollars	2,077,001	3,188,099	+	1,111,098	153.5

TABLE NO. 1

Total number, average size and total acreage in farms; number of acres owned and rented by operators of farms; total acreage occupied by farm buildings, public highways and feed lots; total acreage in farm wood lots, waste land and crop land lying idle; estimated amount of damage to crops by hail; total number of tractors, automobiles, auto trucks, radio receiving sets and colts under one year of age, on farms; for the year 1933, all by counties.

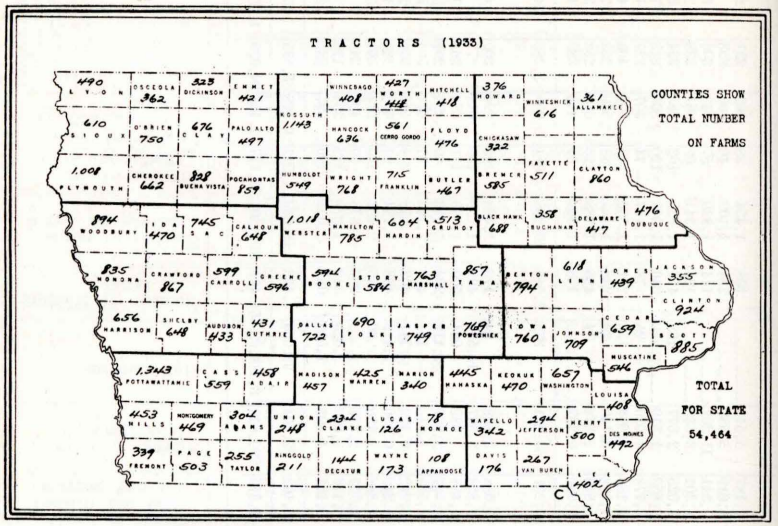
Districts and Counties	Number of farms	Average size of farms (acres)	Total acreage in farms	Tenure of Acreage: Owned by Operator: Acres	Owned by Operator: Per cent	Rented by Operator: Acres	Rented by Operator: Per cent	Acres occupied by Bldgs., feed lots and public highways	Acreage in wood lots used for timber only	Acreage in waste land not utilized for any purpose	Acreage in crop land lying idle	Hail damage (dollars)	Number of tractors on farms	Number of automobiles on farms	Number of auto trucks on farms	Number of radio receiving sets on farms	Colts Under 1 Year Old on Farms, Jan. 1, 1934: Horses	Colts Under 1 Year Old on Farms, Jan. 1, 1934: Mules
Northwest—																		
Buena Vista	2,038	176	358,114	129,056	36.0	229,058	64.0	19,754	389	1,019	7,346	338,436	828	2,013	351	781	306	6
Cherokee	1,839	195	358,501	110,655	30.9	247,846	69.1	19,381	749	1,074	244	85,688	662	1,911	168	947	326	10
Clay	1,851	191	352,716	112,408	31.9	240,308	68.1	19,409	710	1,632	4,027	157,172	676	1,843	196	858	291	3
Dickinson	1,223	191	234,057	62,746	26.8	171,311	73.2	12,097	281	1,275	1,435	4,932	323	1,139	175	435	237	4
Emmet	1,232	202	248,592	62,255	25.0	186,337	75.0	12,153	880	3,022	416	6,220	421	1,210	192	483	259	8
Lyon	1,860	197	366,215	92,400	25.2	273,815	74.8	18,652	299	385	2,563	12,916	490	2,021	202	735	339	16
O'Brien	1,929	184	355,582	105,387	29.6	250,195	70.4	19,499	29	244	815	155,675	750	2,074	205	886	268	23
Osceola	1,316	190	250,633	66,384	26.5	184,249	73.5	13,149	142	404	466	5,897	362	1,362	141	451	209	17
Palo Alto	1,856	189	350,256	93,661	26.7	256,595	73.3	17,152	551	1,849	3,350	20,467	497	1,735	224	551	316	4
Plymouth	2,850	190	542,643	189,435	34.9	353,208	65.1	27,324	218	825	2,784	46,538	1,008	2,860	346	1,036	390	29
Pocahontas	2,030	178	360,898	114,188	31.6	246,710	68.4	19,549	526	3,034	762	92,124	859	1,956	309	750	335	5
Sioux	2,839	167	474,561	152,473	32.1	322,088	67.9	24,442	143	498	1,317	287,136	610	3,025	183	732	386	8
For District	22,863	186	4,252,768	1,291,048	30.4	2,961,720	69.6	222,561	4,917	15,261	25,525	1,213,201	7,486	23,149	2,692	8,645	3,662	133
North Central—																		
Butler	2,233	160	356,259	122,869	34.5	233,390	65.5	18,978	1,174	1,815	793	540	467	2,175	182	623	485	----
Cerro Gordo	1,988	175	348,018	109,854	31.6	238,164	68.4	18,451	454	2,743	436	17,923	561	1,930	188	717	398	7
Floyd	1,847	166	305,972	112,212	36.7	193,760	63.3	16,053	767	1,523	335	4,860	476	1,618	115	629	238	5
Franklin	2,141	169	360,769	134,359	37.2	226,410	62.8	19,213	615	1,014	95	12,243	715	2,267	223	882	347	1
Hancock	1,979	180	357,139	113,621	31.8	243,518	68.2	19,321	492	2,395	1,022	10,182	636	1,998	234	752	383	11
Humboldt	1,479	181	267,369	103,355	38.7	164,014	61.3	15,046	623	1,256	371	6,224	549	1,510	166	498	250	3
Kossuth	3,058	198	604,320	193,409	32.0	410,911	68.0	31,969	720	4,661	2,190	44,260	1,143	3,095	433	1,037	703	9
Mitchell	1,742	165	287,684	122,643	42.6	165,041	57.4	15,357	1,300	1,024	1,286	13,317	418	1,584	136	588	395	4
Winnebago	1,615	155	250,668	91,996	36.7	158,672	63.3	15,167	625	3,414	1,177	128	408	1,616	136	438	275	8
Worth	1,527	163	249,088	98,998	39.7	150,090	60.3	13,686	975	1,896	929	3,476	427	1,555	148	447	242	1
Wright	1,953	183	358,002	109,618	30.6	248,384	69.4	18,769	883	2,375	209	2,056	768	1,968	305	905	339	8
For District	21,562	174	3,745,288	1,312,934	35.1	2,432,354	64.9	262,010	8,628	24,116	8,843	115,209	6,568	21,316	2,266	7,516	4,055	57

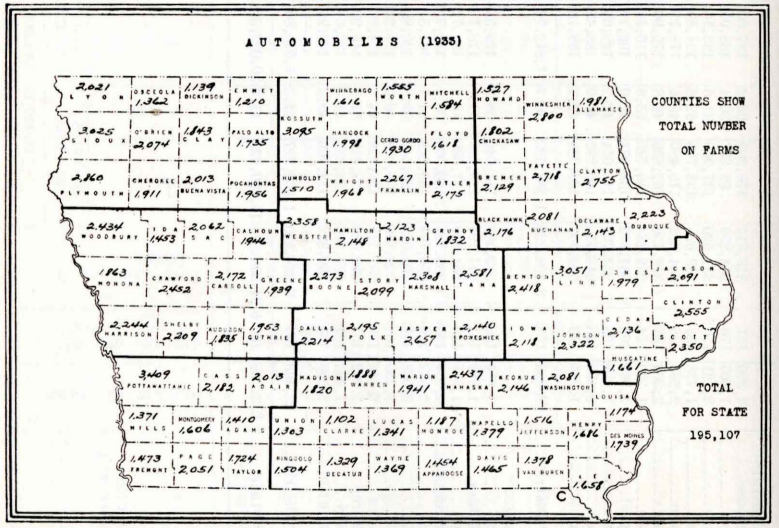
Northeast—																		
Allamakee	2,217	174	386,666	243,366	62.9	143,300	37.1	12,421	25,754	28,974	1,707	20,517	361	1,981	209	628	400	6
Black Hawk	2,395	143	342,718	146,281	42.7	196,437	57.3	17,408	1,455	4,330	1,470	2,385	688	2,176	309	934	295	3
Bremer	2,070	130	268,521	130,562	48.6	137,959	51.4	13,606	2,300	1,619	336	8,837	585	2,125	264	622	304	6
Buchanan	2,344	151	353,162	131,604	37.3	221,558	62.7	16,625	1,233	2,786	1,228	150	358	2,081	150	560	510	16
Chickasaw	2,011	152	305,843	132,234	43.2	173,609	56.8	15,212	1,120	1,659	329	51,371	322	1,802	102	610	437	2
Clayton	3,055	155	472,024	273,204	57.9	198,820	42.1	18,768	18,846	7,721	925	29,942	860	2,755	476	798	612	9
Delaware	2,253	156	352,124	150,332	42.7	201,792	57.3	15,286	3,243	4,591	1,170	24,911	417	2,143	140	554	403	9
Dubuque	2,286	161	367,505	247,496	67.3	120,009	32.7	11,883	9,328	6,804	1,425	9,268	476	2,223	322	592	411	6
Fayette	3,073	146	447,608	194,969	43.6	252,639	56.4	21,313	6,188	3,602	1,799	130,056	511	2,718	242	819	632	16
Howard	1,728	171	295,384	119,128	40.3	176,256	59.7	14,222	2,243	1,852	1,265	11,627	376	1,527	105	473	341	10
Winneshiek	2,793	153	427,763	235,947	55.2	191,816	44.8	19,933	9,669	7,407	6,774	503,935	616	2,800	214	946	532	6
For District	26,225	153	4,019,318	2,005,123	49.9	2,014,195	50.1	176,677	81,379	71,345	18,428	792,999	5,570	24,335	2,533	7,536	4,877	89
West Central—																		
Audubon	1,811	154	279,528	110,817	39.6	168,711	60.4	13,763	402	684	2,682	7,532	433	1,835	137	819	318	15
Calhoun	1,998	176	350,986	103,605	29.5	247,381	70.5	18,227	88	1,015	301	33,770	648	1,946	309	801	413	23
Carroll	2,208	163	359,468	151,780	42.2	207,688	57.8	19,730	469	2,120	1,762	2,129	599	2,172	254	785	374	9
Crawford	2,575	173	446,581	195,016	43.7	251,565	56.3	23,587	737	1,755	25,708	316,421	867	2,452	180	977	401	7
Greene	2,077	170	352,502	100,967	28.6	251,535	71.4	16,573	1,216	1,186	144	7,408	596	1,939	203	752	435	13
Guthrie	2,329	157	366,415	126,274	34.5	240,141	65.5	17,114	3,562	4,577	2,319	----------	431	1,953	124	684	362	14
Harrison	2,782	152	422,492	157,695	37.3	264,797	62.7	18,519	2,746	13,865	26,213	1,965	656	2,244	117	818	288	9
Ida	1,447	188	272,626	78,513	28.8	194,113	71.2	14,309	133	758	2,806	22,325	470	1,453	97	551	212	15
Monona	2,185	191	418,084	141,831	33.9	276,253	66.1	16,998	1,102	7,667	9,661	22,472	835	1,863	206	668	244	12
Sac	1,967	181	356,933	122,956	34.4	233,977	65.6	18,800	43	816	4,409	281,621	745	2,062	303	1,005	394	16
Shelby	2,162	170	367,716	152,373	41.4	215,343	58.6	18,427	907	2,061	10,700	369	648	2,209	109	954	603	11
Woodbury	3,073	171	524,045	180,977	34.5	343,068	65.5	24,400	6,132	6,447	8,561	792	894	2,434	250	849	338	10
For District	26,614	170	4,517,376	1,622,804	35.9	2,894,572	64.1	220,447	17,537	42,951	95,266	696,804	7,822	24,562	2,289	9,663	4,382	154
Central—																		
Boone	2,463	142	348,769	120,433	34.5	228,336	65.5	16,921	782	1,639	305	1,166	594	2,273	320	1,024	326	25
Dallas	2,348	156	366,464	151,372	41.3	215,092	58.7	16,950	2,811	3,804	1,009	----------	722	2,214	342	836	283	2
Grundy	1,775	178	315,958	113,387	35.9	202,571	64.1	17,144	59	405	6	1,750	513	1,832	216	633	322	2
Hamilton	2,227	161	359,182	120,848	33.6	238,334	66.4	17,625	794	1,854	409	30,379	785	2,148	289	937	309	10
Hardin	2,182	161	350,425	133,937	38.2	216,488	61.8	18,595	950	1,423	192	3,373	604	2,123	159	607	352	11
Jasper	2,935	153	450,018	207,028	46.0	242,990	54.0	21,067	1,174	2,362	1,553	2,701	749	2,657	278	1,033	449	19
Marshall	2,259	156	352,649	135,031	38.3	217,618	61.7	19,162	1,211	1,443	749	----------	763	2,308	294	1,031	348	14
Polk	2,686	117	315,560	128,392	40.7	187,168	59.3	16,068	1,125	3,228	1,183	120	690	2,195	466	1,019	213	9
Poweshiek	2,181	168	365,766	140,743	38.5	225,023	61.5	16,487	2,325	1,495	1,143	1,030	769	2,140	223	825	364	18
Story	2,254	154	346,510	111,102	32.1	235,408	67.9	17,100	143	1,270	320	2,130	584	2,099	293	888	355	15
Tama	2,654	168	446,757	201,104	45.0	245,653	55.0	21,412	6,801	4,369	1,054	1,145	857	2,581	413	933	343	17
Webster	2,564	171	438,710	148,124	33.8	290,586	66.2	20,942	2,200	2,410	532	41,962	1,018	2,358	342	999	354	17
For District	28,528	156	4,456,768	1,711,501	38.4	2,745,267	61.6	219,473	20,375	25,702	8,455	85,756	8,648	26,928	3,635	10,765	4,018	159

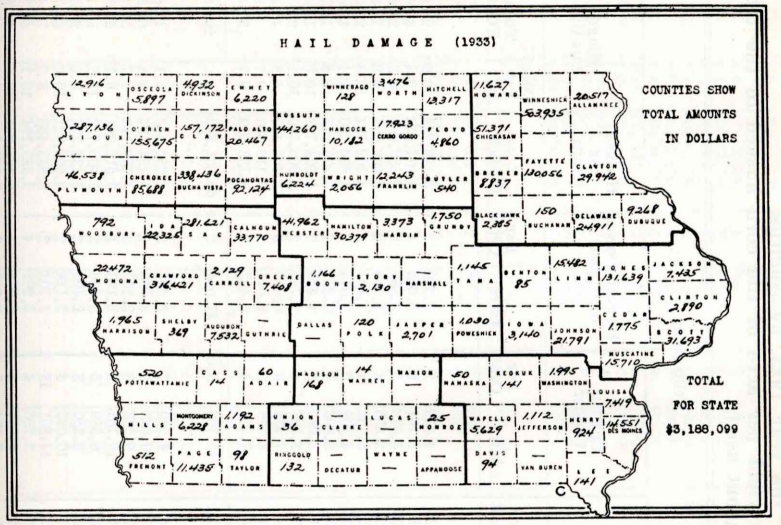
TABLE NO. 1—Continued

Districts and Counties	Number of farms	Average size of farms (acres)	Total acreage in farms	Tenure of Acreage: Owned by Operator, Acres	Owned by Operator, Per cent	Rented by Operator, Acres	Rented by Operator, Per cent	Acres occupied by Bldgs., feed lots and public highways	Acreage in wood lots used for timber only	Acreage in waste land not utilized for any purpose	Acreage in crop land lying idle	Hail damage (dollars)	Number of tractors on farms	Number of automobiles on farms	Number of auto trucks on farms	Number of radio receiving sets on farms	Colts Under 1 Year Old on Farms, Jan. 1, 1934: Horses	Colts Under 1 Year Old on Farms, Jan. 1, 1934: Mules
East Central—																		
Benton	2,557	174	443,747	168,571	38.0	275,176	62.0	22,305	2,622	1,246	949	85	794	2,418	370	1,024	509	12
Cedar	2,244	158	354,906	171,393	48.3	183,513	51.7	16,010	3,794	2,442	838	1,775	659	2,136	169	809	278	5
Clinton	2,801	151	424,025	186,677	44.0	237,348	56.0	18,350	3,131	2,811	2,154	2,890	924	2,555	334	982	426	25
Iowa	2,173	166	360,103	179,342	49.8	180,761	50.2	15,716	9,297	8,225	1,138	3,140	760	2,118	251	689	425	11
Jackson	2,334	168	391,701	235,150	60.0	156,551	40.0	11,780	5,399	4,995	1,583	7,435	355	2,091	150	609	315	15
Johnson	2,627	142	372,289	198,450	53.3	173,839	46.7	14,497	6,478	4,600	1,252	21,791	709	2,322	334	817	324	26
Jones	2,278	154	351,377	183,588	52.2	167,789	47.8	12,853	5,699	3,136	1,883	131,639	439	1,979	169	684	237	5
Linn	3,405	124	421,109	200,182	47.5	220,927	52.5	18,598	5,263	3,590	1,423	15,482	619	3,051	376	989	349	11
Muscatine	1,712	149	255,127	116,994	45.9	138,133	54.1	10,591	4,989	3,228	4,850	15,710	546	1,661	262	615	222	12
Scott	2,196	123	269,636	120,861	44.8	148,775	55.2	11,692	1,581	2,264	920	31,693	885	2,350	673	1,016	251	2
For District	24,327	150	3,644,020	1,761,208	48.3	1,882,812	51.7	152,392	48,253	36,537	16,990	231,640	6,690	22,681	3,088	8,234	3,336	124
Southwest—																		
Adair	2,196	165	361,955	133,937	37.0	228,018	63.0	18,147	1,687	1,280	1,200	60	458	2,013	126	770	377	16
Adams	1,634	164	267,865	128,734	48.1	139,131	51.9	12,910	795	1,719	1,717	1,192	304	1,410	88	755	291	20
Cass	2,187	161	352,798	140,013	39.7	212,785	60.3	15,933	992	1,122	870	14	559	2,182	181	1,029	407	41
Fremont	1,772	173	305,735	133,173	43.6	172,562	56.4	13,570	3,489	8,247	4,605	512	339	1,473	150	631	128	23
Mills	1,615	163	262,613	103,889	39.6	158,724	60.4	11,712	2,608	3,606	3,288	----------	453	1,371	130	698	144	20
Montgomery	1,612	163	263,023	104,319	39.7	158,704	60.3	12,977	871	2,410	1,430	6,228	469	1,606	100	868	284	18
Page	2,215	150	331,479	148,180	44.7	183,299	55.3	16,131	856	2,952	1,345	11,435	503	2,051	135	874	277	45
Pottawattamie	3,706	152	564,309	233,857	41.4	330,452	58.6	27,412	3,184	5,738	11,496	520	1,343	3,409	315	1,566	401	10
Taylor	2,220	149	330,450	143,963	43.6	186,487	56.4	14,627	1,421	3,196	3,690	98	255	1,724	54	751	430	28
For District	19,157	159	3,040,227	1,270,065	41.8	1,770,162	58.2	143,419	15,903	30,270	29,641	20,059	4,683	17,239	1,279	7,942	2,739	221

South Central—																		
Appanoose	2,390	131	313,813	176,209	56.2	137,604	43.8	12,229	2,828	7,187	5,619	----------	108	1,454	58	302	251	21
Clarke	1,505	176	264,259	96,207	36.4	168,052	63.6	11,062	4,437	4,019	5,589	----------	234	1,102	40	300	253	7
Decatur	2,121	156	331,520	137,959	41.6	193,561	58.4	12,754	4,608	9,341	11,202	----------	144	1,329	57	443	306	35
Lucas	1,728	153	263,693	138,795	52.6	124,898	47.4	9,357	6,134	4,301	3,655	----------	126	1,341	69	361	338	23
Madison	2,265	156	354,202	175,480	49.5	178,722	50.5	16,783	4,405	4,025	2,377	168	457	1,820	162	683	334	20
Marion	2,369	145	343,736	167,830	48.8	175,906	51.2	13,781	3,603	6,853	1,510	----------	340	1,941	120	565	313	75
Monroe	1,700	154	262,284	145,723	55.6	116,561	44.4	9,390	4,509	3,773	4,959	25	78	1,187	74	307	227	17
Ringgold	1,962	169	331,172	139,071	42.0	192,101	58.0	13,516	5,255	4,154	8,603	132	211	1,504	46	506	495	44
Union	1,690	155	261,737	113,054	43.2	148,683	56.8	12,210	1,160	1,938	3,146	36	248	1,303	68	560	233	29
Warren	2,409	145	348,710	160,272	46.0	188,438	54.0	15,981	5,967	5,810	2,374	14	425	1,888	125	616	252	34
Wayne	1,916	170	325,102	136,920	42.1	188,182	57.9	13,382	2,177	3,830	6,227	----------	173	1,369	65	415	383	40
For District	22,055	154	3,400,228	1,587,520	46.7	1,812,708	53.3	140,445	45,083	55,231	55,261	375	2,544	16,238	884	5,058	3,385	345
Southeast—																		
Davis	1,950	159	310,598	181,040	58.3	129,558	41.7	10,613	5,526	5,698	3,889	94	176	1,465	55	294	305	40
Des Moines	1,889	131	247,794	128,080	51.7	119,714	48.3	8,755	2,749	3,858	3,567	14,551	492	1,739	196	614	277	6
Henry	1,855	143	264,350	127,630	48.3	136,720	51.7	11,208	1,577	1,488	682	924	500	1,686	171	684	365	15
Jefferson	1,834	145	265,781	133,060	50.1	132,721	49.9	9,635	1,653	1,131	1,229	1,112	294	1,516	69	474	291	34
Keokuk	2,552	140	356,795	195,248	54.7	161,547	45.3	15,610	4,671	4,569	1,646	141	470	2,146	97	671	594	58
Lee	2,028	148	301,012	180,147	59.8	120,865	40.2	10,220	6,471	6,242	6,129	141	402	1,658	214	558	354	14
Louisa	1,380	167	229,849	105,618	46.0	124,231	54.0	7,965	3,438	4,242	6,730	7,419	408	1,174	94	403	186	14
Mahaska	2,713	129	351,118	156,479	44.6	194,639	55.4	14,365	1,825	4,888	1,199	50	445	2,437	185	914	361	57
Van Buren	1,982	151	299,026	153,819	51.4	145,207	48.6	9,621	4,924	4,163	2,875	----------	267	1,378	59	405	348	3
Wapello	1,965	131	257,305	124,631	48.4	132,674	51.6	9,544	4,043	6,116	3,055	5,629	342	1,379	172	294	172	8
Washington	2,290	153	350,892	172,965	49.3	177,927	50.7	14,716	4,672	3,707	1,403	1,995	657	2,081	199	797	332	22
For District	22,438	144	3,234,520	1,658,717	51.3	1,575,803	48.7	122,252	41,549	46,102	32,404	32,056	4,453	18,659	1,511	6,108	3,585	271
For State	213,769	160.5	34,310,513	14,220,920	41.4	20,089,593	58.6	1,599,676	283,624	347,515	290,813	3,188,099	54,464	195,107	20,177	71,467	34,039	1,553


TRACTORS (1933)
COUNTIES SHOW TOTAL NUMBER ON FARMS
TOTAL FOR STATE 54,464


AUTOMOBILES (1933)
COUNTIES SHOW TOTAL NUMBER ON FARMS
TOTAL FOR STATE 195,107


HAIL DAMAGE (1933)
COUNTIES SHOW TOTAL AMOUNTS IN DOLLARS
TOTAL FOR STATE $3,188,099

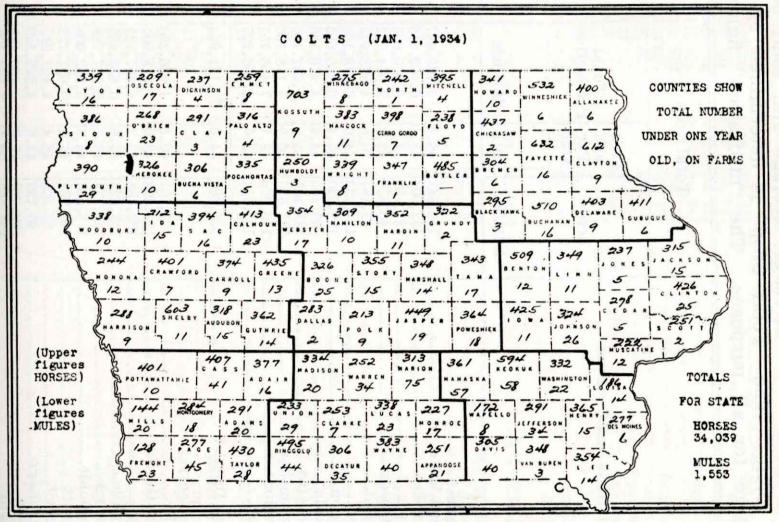

COLTS (JAN. 1, 1934)
COUNTIES SHOW TOTAL NUMBER UNDER ONE YEAR OLD, ON FARMS
(Upper figures HORSES)
(Lower figures MULES)
TOTALS FOR STATE
HORSES 34,039
MULES 1,553

TABLE NO. 2

Acreage, average and total production of corn, for the year 1933, by counties.

(Note: The "Total Crop" is determined by applying the average yield per acre of the corn husked to the total acreage for all purposes. The "utilization" figures assume the whole plant used.)

Districts and Counties	Total Crop			Utilization									
	Acres	Average Per Acre	Total Production	Husked or Snapped for Grain		Cut for Silage		Cut for Fodder		Hogged Down or Grazed Off		Husked for Grain	Silage Put Up	
	Number	Bu.	Bushels	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Bushels	Tons Per Acre	Total Tons
Northwest—														
Buena Vista	146,847	46.1	6,769,647	136,653	93	2,292	2	4,353	2	3,549	3	6,293,374	10.0	23,002
Cherokee	142,507	45.4	6,469,818	130,189	91	3,502	2	3,761	3	5,055	4	5,914,952	9.4	33,036
Clay	137,189	44.1	6,050,035	126,625	92	2,623	2	4,573	3	3,368	3	5,582,634	8.8	23,006
Dickinson	86,610	45.2	3,914,772	79,763	92	1,347	2	3,895	4	1,605	2	3,602,858	9.2	12,338
Emmet	97,187	46.6	4,528,914	89,237	92	2,351	2	3,792	4	1,807	2	4,162,731	10.8	25,326
Lyon	141,322	44.0	6,218,168	133,206	94	1,883	1	4,158	3	2,075	2	5,856,726	9.1	17,078
O'Brien	138,340	45.4	6,280,636	129,479	94	1,804	1	3,803	3	3,254	2	5,876,348	9.8	17,761
Osceola	95,450	44.8	4,276,160	89,747	94	998	1	3,265	3	1,440	2	4,024,713	10.6	10,534
Palo Alto	138,545	43.9	6,082,126	127,673	92	2,490	2	5,597	4	2,785	2	5,602,339	10.2	25,480
Plymouth	221,645	36.9	8,178,700	202,197	91	5,924	3	7,454	3	6,070	3	7,465,440	6.8	40,434
Pocahontas	155,026	48.1	7,456,751	148,038	95	1,018	1	3,326	2	2,644	2	7,116,806	9.7	9,918
Sioux	195,312	45.6	8,906,227	178,368	91	5,811	3	7,731	4	3,402	2	8,132,919	9.7	56,402
For District	1,695,980	44.3	75,131,954	1,571,175	92.6	32,043	1.9	55,708	3.3	37,054	2.2	69,631,840	9.2	294,315
North Central—														
Butler	123,101	40.1	4,936,350	106,023	86	4,818	4	8,969	7	3,291	3	4,251,312	9.1	43,629
Cerro Gordo	123,928	43.0	5,328,904	103,581	84	6,399	5	10,943	9	3,005	2	4,454,784	9.8	62,583
Floyd	103,188	43.2	4,457,722	86,437	84	5,268	5	9,223	9	2,260	2	3,730,148	9.7	51,176
Franklin	142,821	46.6	6,655,459	120,558	84	6,312	4	10,761	8	5,190	4	5,613,981	9.7	61,319
Hancock	135,772	48.3	6,557,788	120,261	88	5,262	4	6,589	5	3,660	3	5,806,712	11.2	59,142
Humboldt	113,538	48.9	5,552,008	104,975	92	2,823	3	3,250	3	2,490	2	5,137,256	9.5	26,789
Kossuth	240,039	44.4	10,657,732	218,248	91	6,580	3	10,093	4	5,118	2	9,683,321	10.0	65,719
Mitchell	83,503	48.4	4,401,545	58,534	70	8,435	10	14,831	18	1,703	2	2,835,453	8.9	75,485
Winnebago	86,730	44.3	3,842,139	74,835	86	4,826	6	3,786	4	3,283	4	3,315,194	10.1	48,768
Worth	73,626	47.0	3,460,422	60,934	83	4,563	6	6,055	8	2,074	3	2,861,284	10.5	47,839
Wright	151,565	50.1	7,593,406	138,840	92	1,999	1	7,194	5	3,532	2	6,957,589	10.1	20,268
For District	1,377,811	45.8	63,083,475	1,193,226	86.6	57,285	4.1	91,694	6.7	35,606	2.6	54,647,034	9.8	562,717

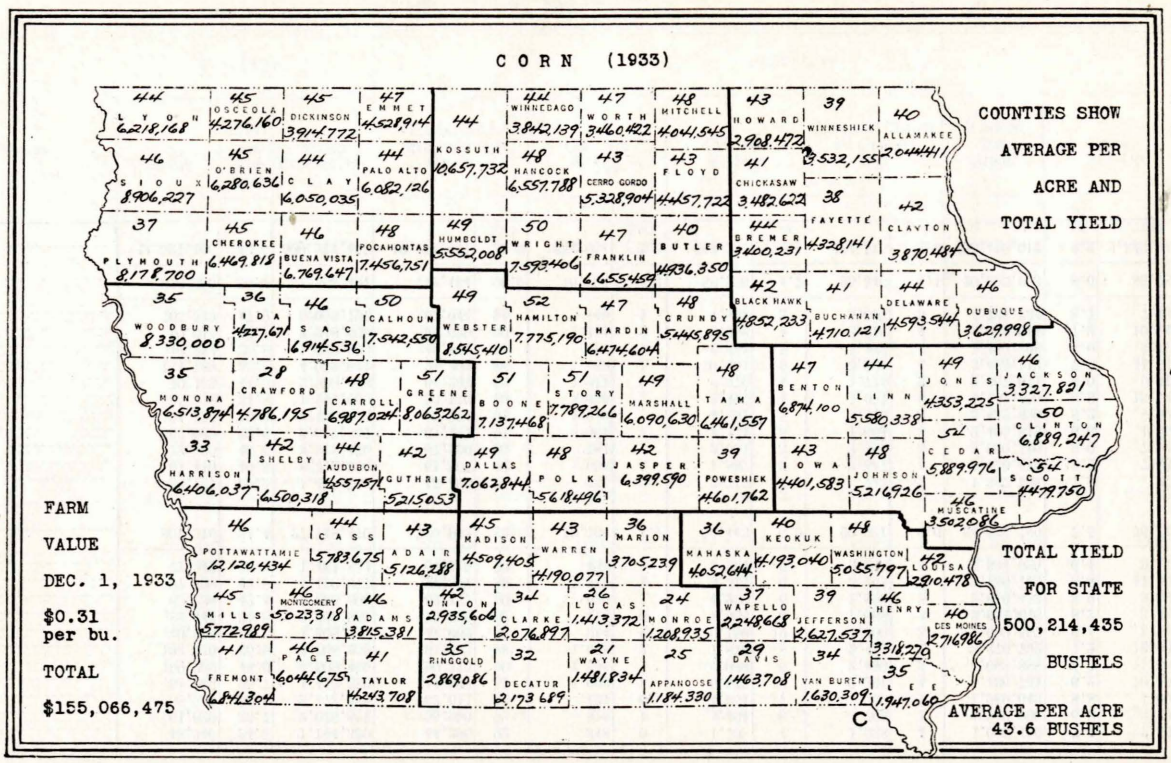
Northeast—														
Allamakee	50,856	40.2	2,044,411	42,977	84	5,092	10	1,419	3	1,368	3	1,725,906	8.0	40,663
Black Hawk	114,710	42.3	4,852,233	95,397	83	7,777	7	8,120	7	3,416	3	4,031,631	9.7	75,103
Bremer	77,454	43.9	3,400,231	64,189	83	6,290	8	5,506	7	1,469	2	2,815,943	10.9	68,644
Buchanan	114,881	41.0	4,710,121	88,226	77	3,512	3	19,871	17	3,272	3	3,619,948	9.4	32,923
Chickasaw	84,325	41.3	3,482,622	65,546	78	6,003	7	10,662	13	2,114	2	2,705,147	9.6	57,491
Clayton	91,285	42.4	3,870,484	77,060	84	9,113	10	2,333	3	2,779	3	3,264,785	8.6	78,769
Delaware	104,162	44.1	4,593,544	85,413	82	7,546	7	7,829	8	3,374	3	3,770,333	9.4	71,018
Dubuque	78,913	46.0	3,629,998	70,436	89	3,519	5	3,352	4	1,606	2	3,238,236	9.1	32,029
Fayette	112,712	38.4	4,328,141	91,178	81	9,626	9	9,279	8	2,629	2	3,501,160	9.7	93,418
Howard	68,274	42.6	2,908,472	49,854	73	5,727	8	11,571	17	1,122	2	2,124,719	9.7	55,656
Winneshiek	90,106	39.2	3,532,155	69,955	78	8,691	10	7,533	8	3,927	4	2,744,595	7.5	64,823
For District	987,678	41.9	41,352,412	800,231	81.0	72,896	7.4	87,475	8.9	27,076	2.7	33,542,403	9.2	670,537
West Central—														
Audubon	102,648	44.4	4,557,571	97,633	95	892	1	2,201	2	1,922	2	4,337,848	9.3	8,332
Calhoun	150,851	50.0	7,542,550	146,673	97	605	1	1,934	1	1,639	1	7,336,340	9.6	5,823
Carroll	144,959	48.2	6,987,024	136,752	94	1,167	1	4,675	3	2,365	2	6,590,583	9.8	11,446
Crawford	168,528	28.4	4,786,195	149,727	89	2,348	1	8,219	5	8,234	5	4,246,847	6.2	14,478
Greene	159,353	50.6	8,063,262	150,965	95	690	0	5,709	4	1,989	1	7,635,824	9.9	6,865
Guthrie	123,873	42.1	5,215,053	114,225	92	412	0	7,104	6	2,132	2	4,812,051	8.4	3,465
Harrison	195,306	32.8	6,406,037	182,257	94	2,530	1	6,439	3	4,080	2	5,972,093	5.7	14,510
Ida	117,110	36.1	4,227,671	105,152	90	1,437	1	6,714	6	3,807	3	3,796,179	8.2	11,853
Monona	184,529	35.3	6,513,874	173,685	94	554	0	5,742	3	4,548	3	6,128,280	9.3	5,138
Sac	150,316	46.0	6,914,536	139,844	93	1,479	1	5,123	3	3,870	3	6,433,632	10.4	15,378
Shelby	155,510	41.8	6,500,318	145,816	94	977	1	5,151	3	3,566	2	6,094,930	8.7	8,505
Woodbury	238,000	35.0	8,330,000	212,925	89	5,876	3	11,644	5	7,555	3	7,460,123	6.0	35,157
For District	1,890,983	40.2	76,044,091	1,755,654	92.9	18,967	1.0	70,655	3.7	45,707	2.4	70,844,730	7.4	140,950
Central—														
Boone	141,336	50.5	7,137,468	132,910	94	1,040	1	5,543	4	1,843	1	6,714,306	10.0	10,351
Dallas	145,326	48.6	7,062,844	131,639	91	1,580	1	8,684	6	3,423	2	6,403,594	9.4	14,836
Grundy	113,693	47.9	5,445,895	106,812	94	1,750	2	2,733	2	2,398	2	5,119,287	10.0	17,539
Hamilton	148,950	52.2	7,775,190	138,920	93	1,424	1	5,735	4	2,871	2	7,249,520	10.1	14,388
Hardin	138,940	46.6	6,474,604	125,135	90	3,058	2	6,362	5	4,385	3	5,825,727	9.5	29,052
Jasper	154,207	41.5	6,399,590	138,919	90	1,872	1	10,015	7	3,401	2	5,762,714	8.6	16,058
Marshall	124,808	48.8	6,090,630	115,978	93	2,302	2	3,158	2	3,370	3	5,664,753	9.4	21,718
Polk	117,052	48.0	5,618,496	108,985	93	1,691	2	4,765	4	1,611	1	5,230,439	10.2	17,306
Poweshiek	116,796	39.4	4,601,762	105,411	90	1,642	2	6,309	5	3,434	3	4,150,705	8.7	14,341
Story	153,332	50.8	7,789,266	144,289	94	2,361	2	4,737	3	1,945	1	7,332,116	10.2	24,177
Tama	135,747	47.6	6,461,557	127,651	94	2,821	2	1,994	2	3,281	2	6,070,166	9.6	26,984
Webster	172,984	49.4	8,545,410	167,088	97	2,000	1	2,132	1	1,764	1	8,261,313	9.2	18,496
For District	1,663,171	47.7	79,402,712	1,543,737	92.8	23,541	1.4	62,167	3.8	33,726	2.0	73,784,640	9.6	225,246

TABLE NO. 2—Continued

Districts and Counties	Total Crop			Utilization										
	Acres	Average Per Acre	Total Production	Husked or Snapped for Grain		Cut for Silage		Cut for Fodder		Hogged Down or Grazed Off		Husked for Grain	Silage Put Up	
	Number	Bu.	Bushels	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Bushels	Tons Per Acre	Total Tons
East Central—														
Benton	147,197	46.7	6,874,100	137,290	93	3,138	2	3,180	2	3,589	3	6,407,169	10.0	31,455
Cedar	109,276	53.9	5,889,976	103,710	95	1,105	1	1,648	1	2,813	3	5,592,991	11.2	12,406
Clinton	137,236	50.2	6,889,247	130,503	95	1,884	1	2,603	2	2,246	2	6,548,103	9.4	17,684
Iowa	102,601	42.9	4,401,583	95,125	93	2,603	2	1,932	2	2,941	3	4,084,512	9.6	25,118
Jackson	72,187	46.1	3,327,821	66,544	92	1,912	3	2,172	3	1,559	2	3,066,241	9.5	18,108
Johnson	108,460	48.1	5,216,926	103,052	95	1,199	1	1,548	1	2,661	3	4,956,072	10.8	12,995
Jones	89,023	48.9	4,353,225	77,138	87	4,500	5	5,284	6	2,101	2	3,773,339	9.3	41,677
Linn	125,967	44.3	5,580,338	108,872	87	4,158	3	10,182	8	2,755	2	4,819,971	9.9	41,209
Muscatine	75,476	46.4	3,502,086	69,359	92	1,358	2	3,137	4	1,622	2	3,217,649	9.9	13,420
Scott	82,500	54.3	4,479,750	77,462	94	2,050	2	909	1	2,079	3	4,208,376	10.9	22,303
For District	1,049,923	48.1	50,515,052	969,055	92.3	23,907	2.3	32,595	3.1	24,366	2.3	46,674,423	9.9	236,375
Southwest—														
Adair	119,216	43.0	5,126,288	109,446	92	1,102	1	4,247	3	4,421	4	4,705,728	8.8	9,707
Adams	82,584	46.2	3,815,381	77,358	94	249	0	2,647	3	2,330	3	3,577,054	10.3	2,572
Cass	130,557	44.3	5,783,675	120,378	92	1,156	1	3,739	3	5,284	4	5,335,607	10.0	11,533
Fremont	165,649	41.3	6,841,304	161,862	98	143	0	430	0	3,214	2	6,689,728	9.2	1,318
Mills	127,721	45.2	5,772,989	123,403	97	318	0	661	0	3,339	3	5,583,511	9.1	2,900
Montgomery	108,495	46.3	5,023,318	104,679	97	364	0	840	1	2,612	2	4,842,429	9.6	3,510
Page	132,850	45.5	6,044,675	127,112	96	302	0	973	1	4,463	3	5,786,432	10.2	3,069
Pottawattamie	265,799	45.6	12,120,434	254,122	96	1,560	1	4,093	1	6,024	2	11,591,617	9.5	14,858
Taylor	104,268	40.7	4,243,708	99,597	95	220	0	1,635	2	2,816	3	4,051,094	9.3	2,046
For District	1,237,139	44.3	54,771,772	1,177,957	95.2	5,414	0.4	19,265	1.6	34,503	2.8	52,163,200	9.5	51,513

South Central—														
Appanoose	48,340	24.5	1,184,330	44,286	92	348	0	1,768	4	1,938	4	1,085,450	7.4	2,565
Clarke	61,629	33.7	2,076,897	56,950	92	510	1	3,464	6	705	1	1,920,093	6.3	3,200
Decatur	68,355	31.8	2,173,689	62,611	92	124	0	4,951	7	669	1	1,989,649	8.8	1,096
Lucas	54,995	25.7	1,413,372	44,308	81	1,693	3	6,633	12	2,361	4	1,136,761	6.2	10,457
Madison	100,209	45.0	4,509,405	90,315	90	1,356	1	6,088	6	2,450	3	4,063,888	8.3	11,304
Marion	103,210	35.9	3,705,239	91,222	88	1,658	2	7,875	8	2,455	2	3,276,792	7.2	12,001
Monroe	49,956	24.2	1,208,935	41,662	83	944	2	6,150	12	1,200	3	1,009,557	6.1	5,748
Ringgold	82,445	34.8	2,869,086	75,695	92	416	0	4,666	6	1,668	2	2,631,076	8.2	3,408
Union	69,236	42.4	2,935,606	62,477	90	639	1	4,230	6	1,890	3	2,650,453	8.9	5,686
Warren	97,899	42.8	4,190,077	87,337	89	1,979	2	5,321	6	3,262	3	3,736,145	8.8	17,468
Wayne	71,242	20.8	1,481,834	64,119	90	493	1	4,297	6	2,333	3	1,334,925	6.4	3,178
For District	807,516	34.4	27,748,470	720,982	89.3	10,160	1.2	55,443	6.9	20,931	2.6	24,834,789	7.5	76,111
Southeast—														
Davis	50,127	29.2	1,463,708	45,433	91	236	0	3,715	7	743	2	1,327,703	7.5	1,772
Des Moines	67,419	40.3	2,716,986	61,807	92	958	1	1,837	3	2,817	4	2,490,582	8.2	7,863
Henry	72,929	45.5	3,318,270	67,900	93	781	1	2,061	3	2,187	3	3,090,180	9.0	7,041
Jefferson	67,029	39.2	2,627,537	61,227	91	664	1	3,474	5	1,664	3	2,401,848	6.6	4,352
Keokuk	104,826	40.0	4,196,040	95,774	91	1,046	1	4,891	5	3,115	3	3,832,890	8.2	8,592
Lee	55,950	34.8	1,947,060	50,110	90	1,636	3	2,227	4	1,977	3	1,743,450	8.3	13,544
Louisa	70,132	41.5	2,910,478	64,237	92	1,211	2	2,970	4	1,714	2	2,667,611	8.0	9,678
Mahaska	114,159	35.5	4,052,644	98,394	86	1,480	1	10,251	9	4,034	4	3,489,113	7.8	11,565
Van Buren	48,234	33.8	1,630,309	43,882	91	486	1	2,544	5	1,322	3	1,485,328	8.0	3,872
Wapello	60,611	37.1	2,248,668	54,629	90	1,414	2	2,292	4	2,276	4	2,028,014	7.2	10,143
Washington	105,549	47.9	5,055,797	99,041	94	843	1	1,968	2	3,697	3	4,739,234	8.7	7,361
For District	816,965	39.4	32,164,497	742,434	90.9	10,755	1.3	38,230	4.7	25,546	3.1	29,295,953	8.0	85,783
For State	11,527,166	43.6	500,214,435	10,474,451	90.9	254,968	2.2	513,232	4.4	284,515	2.5	455,419,012	9.2	2,343,547

CORN (1933)



COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

FARM VALUE DEC. 1, 1933

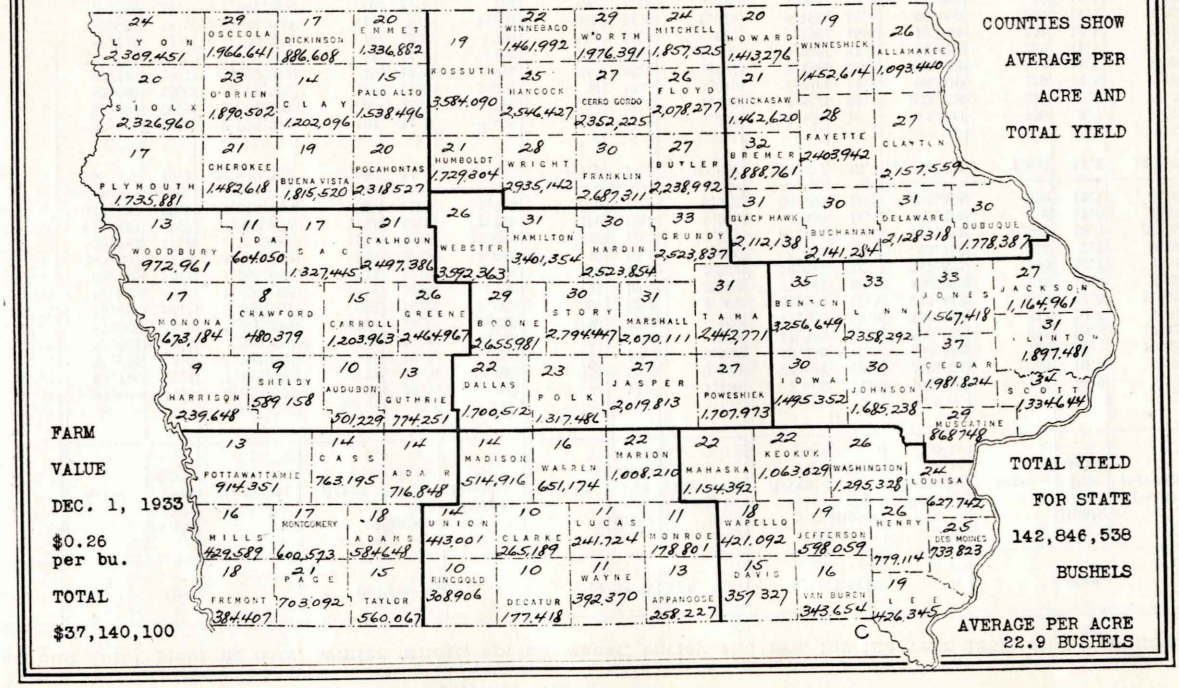
$0.31 per bu.

TOTAL $155,066,475

TOTAL YIELD FOR STATE 500,214,435 BUSHELS

AVERAGE PER ACRE 43.6 BUSHELS

OATS (1933)



COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

FARM VALUE DEC. 1, 1933

$0.26 per bu.

TOTAL $37,140,100

TOTAL YIELD FOR STATE 142,846,538 BUSHELS

AVERAGE PER ACRE 22.9 BUSHELS

TABLE NO. 3

Acreage, average and total yield of oats, winter wheat, spring wheat, barley and rye, for the year 1933, all by counties.

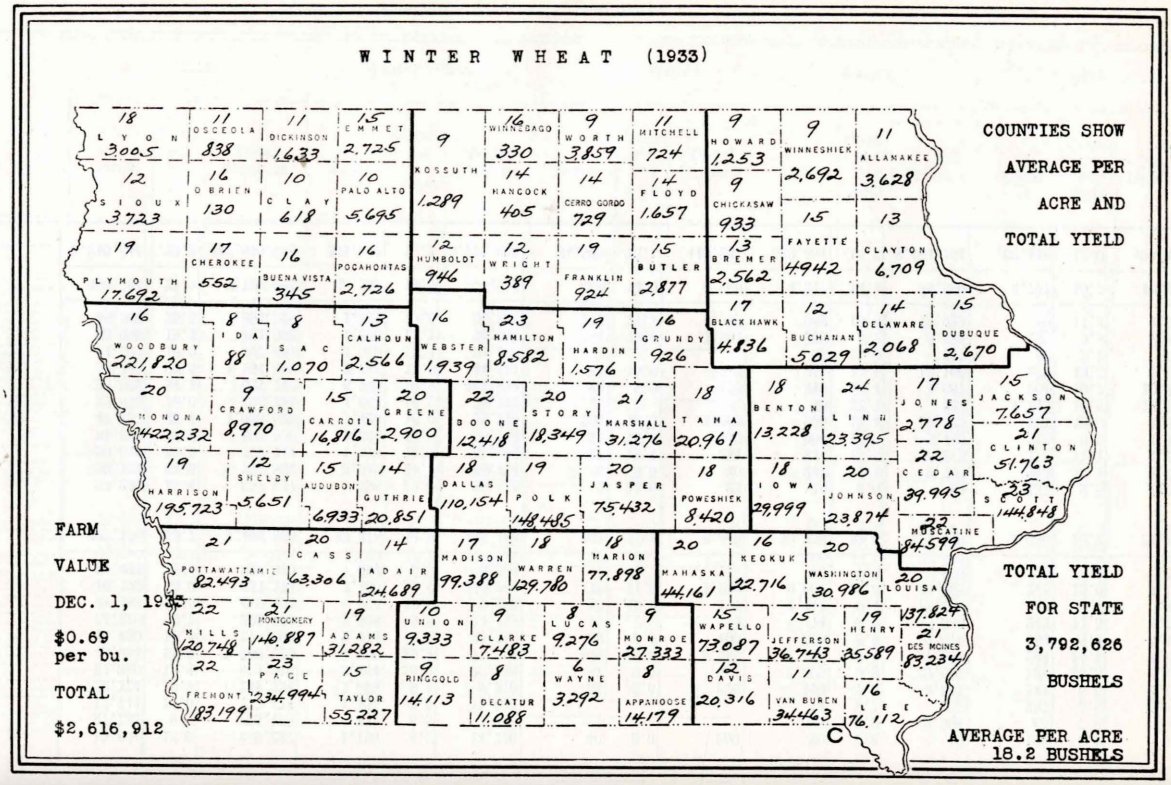
Districts and Counties	Oats			Winter Wheat			Spring Wheat			Barley			Rye		
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels
Northwest—															
Buena Vista	97,628	18.6	1,815,520	22	15.7	345	81	14.8	1,196	7,668	14.2	108,892	128	15.2	1,951
Cherokee	69,146	21.4	1,482,618	32	17.3	552	157	12.9	2,028	24,627	15.9	392,671	53	16.9	895
Clay	85,876	14.0	1,202,096	59	10.5	618	318	10.7	3,396	15,799	12.6	199,322	756	14.1	10,658
Dickinson	53,511	16.6	886,608	151	10.8	1,633	195	12.0	2,331	17,585	12.9	226,928	621	16.8	10,454
Emmet	67,291	19.9	1,336,882	178	15.3	2,725	96	9.3	892	11,152	13.9	154,964	813	10.3	8,645
Lyon	95,687	24.1	2,309,451	167	18.0	3,005	303	12.9	3,907	22,890	15.1	345,442	641	18.0	11,511
O'Brien	81,253	23.3	1,890,502	8	16.3	130	193	16.5	3,192	27,842	17.4	484,053	177	18.8	3,333
Osceola	67,676	29.1	1,966,641	75	11.2	838	480	10.1	4,831	16,047	22.3	357,872	510	18.7	9,517
Palo Alto	105,496	14.6	1,538,496	540	10.5	5,695	76	10.5	800	5,600	11.2	62,458	955	7.7	7,352
Plymouth	99,484	17.4	1,735,881	950	18.6	17,692	1,535	12.7	19,527	36,481	13.2	481,531	2,333	15.3	35,664
Pocahontas	118,449	19.6	2,318,527	171	15.9	2,726	150	12.9	1,928	2,556	14.6	37,314	316	14.6	4,634
Sioux	114,736	20.3	2,326,960	303	12.3	3,723	526	12.5	6,598	28,430	14.2	403,364	580	14.2	8,260
For District	1,056,233	19.7	20,810,182	2,656	14.9	39,682	4,110	12.3	50,626	216,677	15.0	3,254,811	7,883	14.3	112,874
North Central—															
Butler	83,666	26.8	2,238,992	193	14.9	2,877	212	14.2	3,003	2,268	19.7	44,609	539	8.7	4,674
Cerro Gordo	87,887	26.8	2,352,225	53	13.8	729	172	11.2	1,932	4,854	21.3	103,178	176	12.4	2,176
Floyd	81,080	25.6	2,078,277	117	14.2	1,657	84	12.5	1,049	3,746	18.2	68,010	187	14.8	2,766
Franklin	90,476	29.7	2,687,311	49	18.9	924	245	16.0	3,931	5,128	22.4	114,648	344	14.7	5,058
Hancock	101,141	25.2	2,546,427	29	14.0	405	118	12.1	1,429	3,995	21.2	84,637	319	14.8	4,714
Humboldt	81,754	21.2	1,729,304	76	12.4	946	155	15.3	2,374	3,196	15.3	48,744	153	13.8	2,112
Kossuth	189,972	18.9	3,584,090	141	9.1	1,289	189	12.6	2,375	5,182	13.5	69,909	215	13.2	2,843
Mitchell	78,239	23.7	1,857,525	66	11.0	724	691	13.5	9,327	3,264	19.4	63,215	90	16.2	1,454
Winnebago	65,202	22.4	1,461,992	21	15.7	330	229	15.3	3,497	3,832	16.9	64,692	106	11.6	1,231
Worth	67,905	29.1	1,976,391	416	9.3	3,859	298	14.3	4,261	2,908	23.0	66,912	330	14.0	4,627
Wright	104,573	28.1	2,935,142	33	11.8	389	256	17.9	4,580	4,282	21.9	93,973	94	19.9	1,867
For District	1,031,895	24.7	25,447,676	1,194	11.8	14,129	2,649	14.3	37,758	42,655	19.3	822,527	2,553	13.1	33,522

Northeast—															
Allamakee	42,779	25.6	1,093,440	337	10.8	3,628	609	13.0	7,932	7,396	19.8	146,341	212	11.2	2,365
Black Hawk	67,499	31.3	2,112,138	280	17.3	4,836	308	14.8	4,548	3,036	24.0	73,000	758	9.8	7,432
Bremer	59,381	31.8	1,888,761	201	12.7	2,562	153	12.8	1,959	734	23.1	16,981	262	12.8	3,360
Buchanan	70,516	30.4	2,141,284	427	11.8	5,029	126	12.6	1,585	1,031	18.7	19,258	586	9.8	5,743
Chickasaw	68,685	21.3	1,462,620	109	8.6	933	162	11.5	1,865	2,139	15.4	32,834	176	10.7	1,883
Clayton	79,120	27.3	2,157,559	502	13.4	6,709	867	15.4	13,311	6,879	20.0	137,532	607	11.7	7,087
Delaware	67,894	31.3	2,128,318	150	13.8	2,068	303	15.6	4,719	2,563	24.9	63,908	673	9.3	6,260
Dubuque	59,332	30.0	1,778,387	173	15.4	2,670	738	15.8	11,683	4,041	19.7	79,594	247	11.1	2,750
Fayette	86,823	27.7	2,403,942	330	15.0	4,942	312	12.4	3,875	3,960	19.7	77,864	323	12.4	4,012
Howard	69,972	20.2	1,413,276	134	9.4	1,253	284	10.5	2,982	3,780	16.6	62,580	296	8.9	2,624
Winneshiek	77,989	18.6	1,452,614	307	8.8	2,692	625	10.5	6,540	9,776	15.9	155,372	125	9.8	1,227
For District	749,990	26.7	20,032,339	2,950	12.7	37,322	4,487	13.6	60,999	45,335	19.1	865,264	4,265	10.5	44,747
West Central—															
Audubon	49,694	10.1	501,229	462	15.0	6,933	169	5.8	979	4,395	8.8	38,539	96	10.8	1,039
Calhoun	120,016	20.8	2,497,386	197	13.0	2,566	80	12.0	959	1,718	14.7	25,296	87	20.7	1,798
Carroll	78,237	15.4	1,203,963	1,108	15.2	16,816	591	11.2	6,613	6,915	12.6	87,428	86	17.0	1,460
Crawford	62,699	7.7	480,379	1,040	8.6	8,970	1,722	5.3	9,179	7,800	4.4	34,366	211	10.3	2,178
Greene	95,253	25.9	2,464,967	148	19.6	2,900	137	16.6	2,272	1,212	19.5	23,676	135	18.4	2,489
Guthrie	59,903	12.9	774,251	1,472	14.2	20,851	288	9.7	2,783	3,960	9.1	35,977	90	12.0	1,079
Harrison	27,704	8.7	239,648	10,111	19.4	195,723	5,132	11.8	60,358	2,721	9.3	25,386	220	14.5	3,197
Ida	52,923	11.4	604,050	11	8.0	88	55	8.7	480	13,265	7.2	95,986	104	9.9	1,034
Monona	39,409	17.1	673,184	21,368	19.8	422,232	4,836	14.5	70,235	7,336	15.6	114,231	373	11.1	4,143
Sac	78,338	16.9	1,327,445	126	8.5	1,070	67	16.3	1,090	13,056	11.7	153,011	38	18.5	704
Shelby	64,811	9.1	589,158	475	11.9	5,651	420	7.6	3,191	5,602	9.1	51,150	120	12.7	1,521
Woodbury	74,002	13.1	972,961	13,528	16.4	221,820	565	15.6	8,832	12,192	11.8	143,506	1,698	17.7	30,112
For District	802,989	15.4	12,328,621	50,046	18.1	905,620	14,062	11.9	166,971	80,172	10.3	828,552	3,258	15.6	50,754
Central—															
Boone	90,516	29.3	2,655,981	574	21.6	12,418	355	19.9	7,052	2,277	22.1	50,394	96	18.5	1,772
Dallas	76,104	22.3	1,700,512	6,084	18.1	110,154	33	17.8	589	1,595	10.1	16,162	163	16.7	2,725
Grundy	75,845	33.3	2,523,837	56	16.5	926	114	15.4	1,752	4,843	23.5	113,729	76	17.4	1,321
Hamilton	111,094	30.6	3,401,354	374	22.9	8,582	375	15.0	5,608	1,742	23.1	40,250	162	25.3	4,098
Hardin	84,675	29.8	2,523,854	82	19.2	1,576	97	20.2	1,959	3,696	22.8	84,119	252	16.3	4,120
Jasper	75,936	26.6	2,019,813	3,747	20.1	75,432	423	11.0	4,673	3,288	15.9	52,271	301	10.7	3,232
Marshall	67,722	30.6	2,070,111	1,512	20.7	31,276	401	17.7	7,114	6,203	22.6	140,182	292	16.4	4,796
Polk	58,023	22.7	1,317,486	7,682	19.3	148,485	768	14.9	11,415	1,645	14.3	23,501	378	14.9	5,618
Poweshiek	62,341	27.4	1,707,973	464	18.1	8,420	382	14.9	5,685	3,043	18.4	56,063	74	9.2	680
Story	93,870	29.8	2,794,447	901	20.4	18,349	182	18.8	3,425	1,927	21.4	41,191	247	17.1	4,235
Tama	78,545	31.1	2,442,771	1,157	18.1	20,961	440	13.6	5,974	9,836	22.7	223,393	190	9.3	1,768
Webster	141,099	25.5	3,592,363	120	16.2	1,939	300	16.8	5,034	2,662	19.3	51,278	232	15.9	3,691
For District	1,015,770	28.3	28,750,502	22,753	19.3	438,518	3,870	15.6	60,280	42,757	20.9	892,533	2,463	15.5	38,056

TABLE NO. 3—Continued

Districts and Counties	Oats			Winter Wheat			Spring Wheat			Barley			Rye		
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels
East Central—															
Benton	92,819	35.1	3,256,649	725	18.2	13,228	286	19.4	5,552	12,310	23.2	285,502	446	15.0	6,687
Cedar	53,719	36.9	1,981,824	1,812	22.1	39,995	128	16.8	2,154	9,322	21.7	201,954	307	13.6	4,163
Clinton	61,019	31.1	1,897,481	2,444	21.2	51,763	285	12.7	3,612	9,364	17.5	163,615	399	14.2	5,664
Iowa	50,032	29.9	1,495,352	1,687	17.8	29,999	254	14.3	3,639	4,436	18.5	82,083	204	12.0	2,441
Jackson	43,868	26.6	1,164,961	509	15.0	7,657	608	11.8	7,184	4,217	17.8	74,835	760	10.3	7,854
Johnson	55,511	30.4	1,685,238	1,211	19.7	23,874	135	20.0	2,703	1,716	21.8	37,364	365	11.7	4,276
Jones	47,635	32.9	1,567,418	165	16.8	2,778	324	15.4	4,992	5,683	25.6	145,683	240	10.7	2,573
Linn	71,088	33.2	2,358,292	990	23.6	23,395	532	15.6	8,301	4,276	22.9	97,984	644	13.1	8,443
Muscatine	29,927	29.0	868,748	3,918	21.6	84,599	97	16.9	1,641	3,278	15.8	51,741	839	9.5	8,010
Scott	38,991	34.2	1,334,644	6,303	23.0	144,848	255	17.1	4,370	11,752	19.5	229,252	452	9.3	4,219
For District	544,609	32.3	17,610,607	19,764	21.4	422,136	2,904	15.2	44,148	66,354	20.6	1,370,113	4,656	11.7	54,330
Southwest—															
Adair	52,278	13.7	716,848	1,736	14.2	24,689	33	10.6	349	3,527	9.6	33,989	179	10.1	1,816
Adams	33,358	17.5	584,648	1,674	18.7	31,282	17	10.6	180	1,144	13.7	15,646	58	16.5	955
Cass	53,989	14.1	763,195	3,244	19.5	63,306	113	15.4	1,737	5,028	11.0	55,086	233	11.8	2,750
Fremont	21,340	18.0	384,407	8,154	22.5	183,199	13	17.5	228	777	17.3	13,447	426	14.7	6,242
Mills	26,642	16.1	429,589	5,421	22.3	120,748	110	15.0	1,654	2,038	11.7	23,936	210	27.2	5,717
Montgomery	34,629	17.3	600,573	6,814	20.7	140,887	60	10.1	603	1,885	15.6	29,400	141	16.8	2,370
Page	33,692	20.9	703,092	10,406	22.6	234,994	15	5.3	80	2,179	16.3	35,495	550	13.6	7,478
Pottawattamie	72,627	12.6	914,351	3,984	20.7	82,493	349	11.9	4,153	6,005	10.3	61,917	455	15.8	7,185
Taylor	37,623	14.9	560,067	3,669	15.1	55,227	86	13.4	1,153	916	9.4	8,640	311	11.2	3,481
For District	366,178	15.4	5,656,770	45,102	20.8	936,825	796	12.7	10,137	23,499	11.8	277,556	2,563	14.8	37,994

South Central—															
Appanoose	19,864	13.0	258,227	1,723	8.2	14,179	40	5.0	200	20	0.8	16	123	6.9	849
Clarke	27,132	9.8	265,189	851	8.8	7,483				638	3.9	2,508	85	7.8	663
Decatur	17,744	10.0	177,418	1,401	7.9	11,088				14	9.1	128	337	5.8	1,970
Lucas	22,174	10.9	241,724	1,098	8.4	9,276	38	5.5	210	466	7.5	3,501	241	9.0	2,167
Madison	37,335	13.8	514,916	5,864	16.9	99,388	64	9.2	587	3,999	9.9	39,653	134	18.3	2,454
Marion	45,944	21.9	1,008,210	4,230	18.4	77,898	409	13.6	5,552	1,525	18.0	27,487	298	14.4	4,278
Monroe	16,459	10.9	178,801	2,974	9.2	27,333	59	6.8	400	528	3.9	2,073	162	8.4	1,360
Ringgold	31,810	9.7	308,906	1,528	9.2	14,113				74	5.2	386	243	11.5	2,798
Union	28,488	14.5	413,001	905	10.3	9,333	13	13.6	177	1,447	9.1	13,164	99	9.7	962
Warren	40,778	16.0	651,174	7,150	18.2	129,780	112	11.0	1,236	2,001	12.5	24,952	278	15.0	4,164
Wayne	34,467	11.4	392,370	594	5.5	3,292				46	7.6	350	36	5.6	202
For District	322,195	13.7	4,409,936	28,318	14.2	403,163	735	11.4	8,362	10,758	10.6	114,218	2,036	10.7	21,867
Southeast—															
Davis	23,220	15.4	357,327	1,698	12.0	20,316	2	11.0	22	16	5.0	80	137	8.8	1,206
Des Moines	29,791	24.6	733,823	3,942	21.1	83,234	8	5.0	40	247	11.1	2,739	245	13.1	3,206
Henry	30,513	25.5	779,114	1,878	19.0	35,589	37	18.4	681	244	13.5	3,283	115	11.1	1,278
Jefferson	31,622	18.9	598,059	2,521	14.6	36,743	31	14.2	440	204	12.0	2,440	212	9.3	1,966
Keokuk	47,657	22.3	1,063,029	1,424	16.0	22,716	205	13.0	2,662	995	13.4	13,325	191	10.0	1,907
Lee	22,975	18.6	426,345	4,661	16.3	76,112				19	12.1	229	1,245	10.5	13,066
Louisa	26,002	24.1	627,742	6,949	19.8	137,824	22	8.0	175	349	13.4	4,667	964	10.7	10,272
Mahaska	51,386	22.5	1,154,392	2,783	15.9	44,161	61	15.0	917	954	13.8	13,160	229	13.5	3,088
Van Buren	21,621	15.9	343,654	3,010	11.4	34,463				22	13.0	287	52	9.7	503
Wapello	23,099	18.2	421,092	4,826	15.1	73,087	154	12.9	1,981	365	9.2	3,358	292	9.8	2,850
Washington	48,900	26.5	1,295,328	1,567	19.8	30,986	176	17.4	3,062	962	15.6	15,022	89	11.4	1,012
For District	356,786	21.9	7,799,905	35,259	16.9	595,231	696	14.3	9,980	4,377	13.4	58,590	3,771	10.7	40,354
For State	6,246,645	22.9	142,846,538	208,042	18.2	3,792,626	34,309	13.1	449,261	532,584	15.9	8,484,164	33,448	13.0	434,498


WINTER WHEAT (1933)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
FARM VALUE DEC. 1, 1933
$0.69 per bu.
TOTAL $2,616,912
TOTAL YIELD FOR STATE 3,792,626 BUSHELS
AVERAGE PER ACRE 18.2 BUSHELS
LYON 18 3005
OSCEOLA 11 838
DICKINSON 11 1633
EMMET 15 2725
KOSSUTH 9 1289
WINNEBAGO 16 330
WORTH 9 3859
MITCHELL 11 724
HOWARD 9 1253
WINNESHIEK 9 2692
ALLAMAKEE 11 3628
SIOUX 12 3723
O'BRIEN 16 130
CLAY 10 618
PALO ALTO 10 5695
HANCOCK 14 405
CERRO GORDO 14 729
FLOYD 14 1657
CHICKASAW 9 933
FAYETTE 15
CLAYTON 13 6709
PLYMOUTH 19 17692
CHEROKEE 17 552
BUENA VISTA 16 345
POCAHONTAS 16 2726
HUMBOLDT 12 946
WRIGHT 12 389
FRANKLIN 19 924
BUTLER 15 2877
BREMER 13 2562
BLACK HAWK 17 4836
BUCHANAN 12 5029
DELAWARE 14 2068
DUBUQUE 15 2670
WOODBURY 16 221820
IDA 8 88
SAC 8 1070
CALHOUN 13 2566
WEBSTER 16 1939
HAMILTON 23 8582
HARDIN 19 1576
GRUNDY 16 926
MONONA 20 422232
CRAWFORD 9 8970
CARROLL 15 16816
GREENE 20 2900
BOONE 22 12418
STORY 20 18349
MARSHALL 21 31276
TAMA 18 20961
BENTON 18 13228
LINN 24 23395
JONES 17 2778
JACKSON 15 7657
CLINTON 21 51763
HARRISON 19 19572
SHELBY 12 5651
AUDUBON 15 6933
GUTHRIE 14 20851
DALLAS 18 110,154
POLK 19 148485
JASPER 20 75432
POWESHIEK 18 8420
IOWA 18 29999
JOHNSON 20 23874
CEDAR 22 39995
SCOTT 23 144848
MUSCATINE 22 44599
POTTAWATTAMIE 21 82493
CASS 20 63306
ADAIR 14 24689
MADISON 17 99388
WARREN 18 129780
MARION 18 77898
MAHASKA 20 44161
KEOKUK 16 22716
WASHINGTON 20 30986
LOUISA 20
MILLS 22 20748
MONTGOMERY 21 14687
ADAMS 19 31282
UNION 10 9333
CLARKE 9 7483
LUCAS 8 9276
MONROE 9 27333
WAPELLO 15 73087
JEFFERSON 15 36743
HENRY 19 35589
DES MOINES 21 83234
LOUISA 137827
FREMONT 22 23499
PAGE 23 18199
TAYLOR 15 55227
RINGGOLD 9 14113
DECATUR 8 11088
WAYNE 6 3292
APPANOOSE 8 14179
DAVIS 12 20316
VAN BUREN 11 34463
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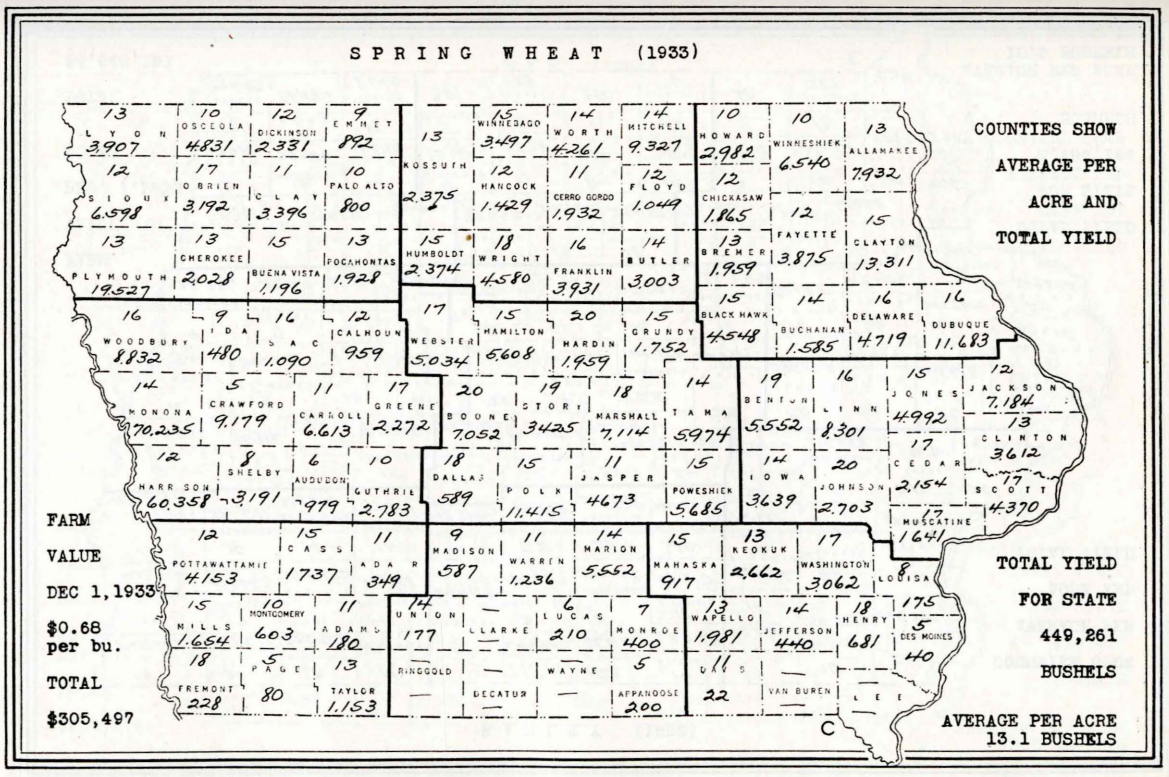
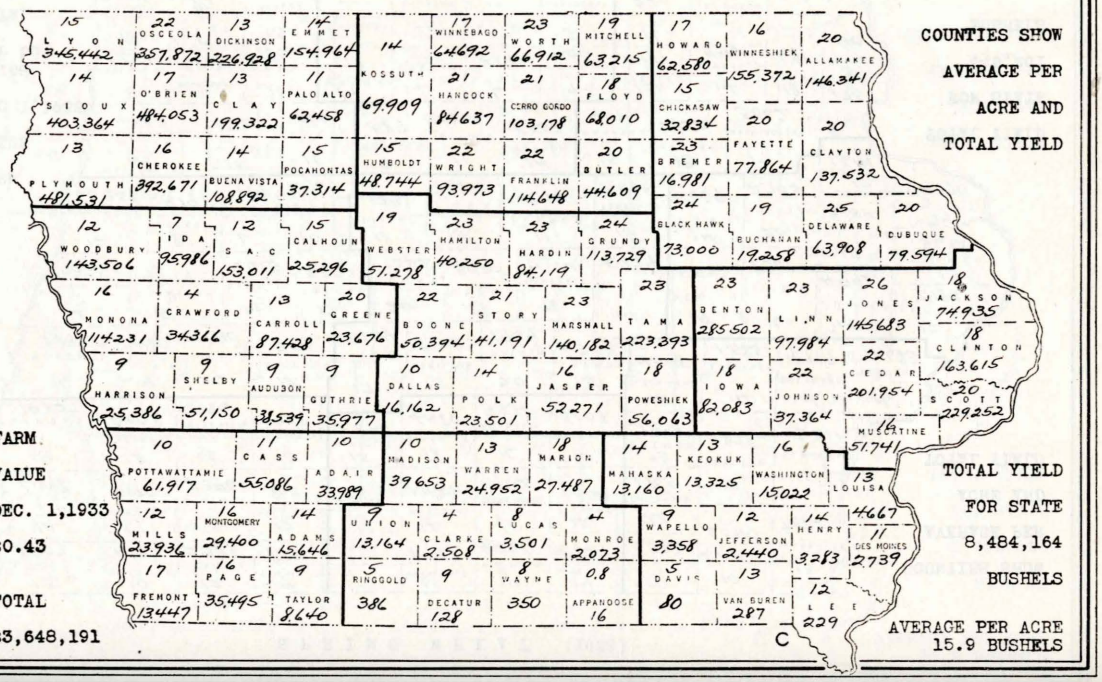

SPRING WHEAT (1933)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
FARM VALUE DEC 1, 1933
$0.68 per bu.
TOTAL $305,497
TOTAL YIELD FOR STATE 449,261 BUSHELS
AVERAGE PER ACRE 13.1 BUSHELS
LYON 13 3907
OSCEOLA 10 4831
DICKINSON 12 2331
EMMET 9 892
KOSSUTH 13 2375
WINNEBAGO 15 3497
WORTH 14 4261
MITCHELL 14 9327
HOWARD 10 2982
WINNESHIEK 10 6540
ALLAMAKEE 13 7932
SIOUX 12 6598
O'BRIEN 17 3192
CLAY 11 3396
PALO ALTO 10 800
HANCOCK 12 1429
CERRO GORDO 11 1932
FLOYD 12 1049
CHICKASAW 12 1865
FAYETTE 12 3875
CLAYTON 15 13311
PLYMOUTH 13 19527
CHEROKEE 13 2028
BUENA VISTA 15 1196
POCAHONTAS 13 1928
HUMBOLDT 15 2374
WRIGHT 18 4580
FRANKLIN 16 3931
BUTLER 14 3003
BREMER 13 1959
BLACK HAWK 15 4548
BUCHANAN 14 1585
DELAWARE 16 4719
DUBUQUE 16 11683
WOODBURY 16 8832
IDA 9 480
SAC 16 1090
CALHOUN 12 959
WEBSTER 17 5034
HAMILTON 15 5608
HARDIN 20 1959
GRUNDY 15 1752
MONONA 14 70235
CRAWFORD 5 9179
CARROLL 11 6613
GREENE 17 2272
BOONE 20 7052
STORY 19 3425
MARSHALL 18 7114
TAMA 14 5974
BENTON 19 5552
LINN 16 8301
JONES 15 4992
JACKSON 12 7184
CLINTON 13 3612
HARRISON 12 60358
SHELBY 8 3191
AUDUBON 6 979
GUTHRIE 10 2783
DALLAS 18 589
POLK 15 11415
JASPER 11 4673
POWESHIEK 15 5685
IOWA 14 3639
JOHNSON 20 2703
CEDAR 15 2154
SCOTT 17 4370
MUSCATINE 17 1641
POTTAWATTAMIE 12 4153
CASS 15 1737
ADAIR 11 349
MADISON 9 587
WARREN 11 1236
MARION 14 5552
MAHASKA 15 917
KEOKUK 13 2662
WASHINGTON 17 3062
LOUISA 8
MILLS 15 1654
MONTGOMERY 10 603
ADAMS 11 180
UNION 14 177
CLARKE —
LUCAS 6 210
MONROE 7 400
WAPELLO 13 1981
JEFFERSON 14 440
HENRY 18 681
DES MOINES 17 5 40
FREMONT 18 228
PAGE 5 80
TAYLOR 13 1153
RINGGOLD —
DECATUR —
WAYNE —
APPANOOSE 5 200
DAVIS 11 22
VAN BUREN —
LEE —
C

BARLEY (1933)



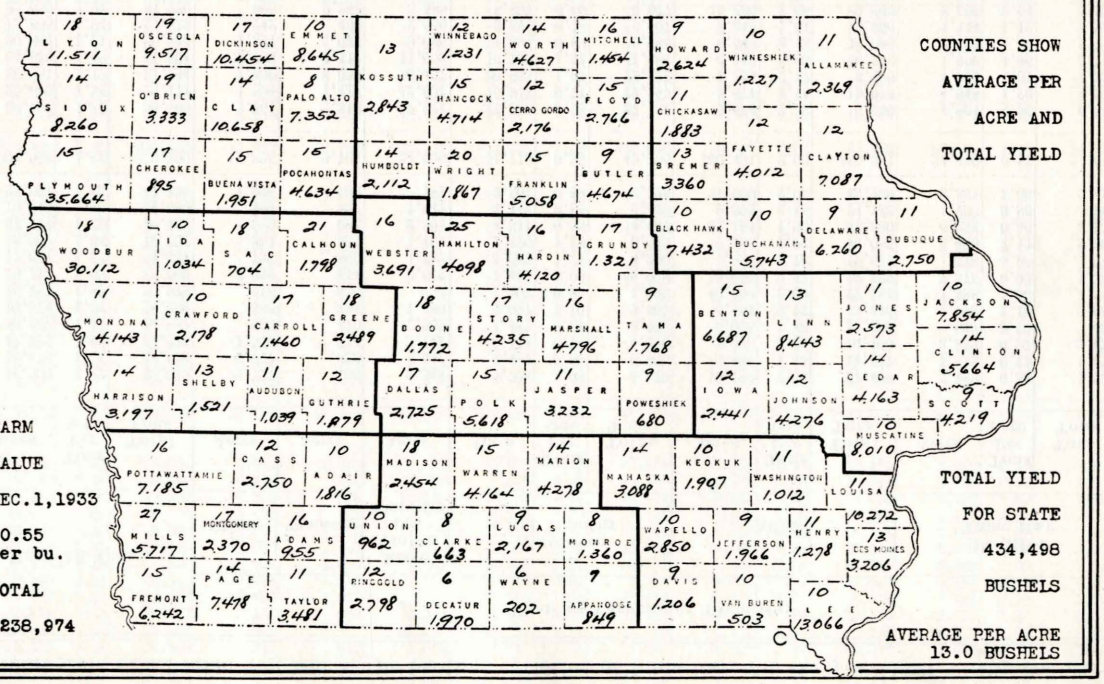
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

FARM VALUE DEC. 1, 1933 $0.43 TOTAL $3,648,191

TOTAL YIELD FOR STATE 8,484,164 BUSHELS

AVERAGE PER ACRE 15.9 BUSHELS

RYE (1933)



COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

FARM VALUE DEC. 1, 1933 $0.55 per bu. TOTAL $238,974

TOTAL YIELD FOR STATE 434,498 BUSHELS

AVERAGE PER ACRE 13.0 BUSHELS

TABLE NO. 4

Acreage, average and total yield of all tame hay and of the leading varieties of tame hay, for the year 1933, all by counties.

Districts and Counties	Hay (All Tame)			Kinds or Varieties of Tame Hay											
				Clover	Timothy	Mixed Clover and Timothy	All Clover and Timothy			Alfalfa			All Other Tame Hay		
	Acres	Tons Per Acre	Total Tons	Acres	Acres	Acres	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons
Northwest—															
Buena Vista	18,290	1.92	35,059	2,727	433	2,548	5,708	1.03	5,879	10,799	2.54	27,429	1,783	0.98	1,751
Cherokee	20,873	1.14	23,838	6,017	822	2,642	9,481	0.90	8,533	9,880	1.44	14,227	1,512	0.71	1,078
Clay	16,976	1.43	24,215	1,576	714	3,141	5,431	0.79	4,290	7,993	2.06	16,466	3,552	0.97	3,459
Dickinson	10,137	1.47	14,887	695	479	2,308	3,482	0.89	3,099	6,026	1.88	11,329	629	0.73	459
Emmet	10,574	1.73	18,298	383	834	1,480	2,697	1.10	2,967	6,104	2.17	13,246	1,773	1.18	2,085
Lyon	16,487	1.82	29,978	418	336	753	1,507	0.93	1,402	13,592	2.00	27,184	1,388	1.00	1,392
O'Brien	19,112	1.69	32,360	3,034	844	3,602	7,480	1.08	8,078	10,057	2.27	22,829	1,575	0.92	1,453
Osceola	11,074	2.22	24,637	733	802	1,732	3,267	1.31	4,280	7,029	2.79	19,611	778	0.96	746
Palo Alto	12,062	1.64	19,757	351	831	1,494	2,676	1.26	3,372	7,336	1.92	14,085	2,050	1.12	2,300
Plymouth	31,777	1.27	40,492	999	981	2,361	4,341	0.56	2,431	21,184	1.63	34,530	6,252	0.56	3,531
Pocahontas	13,745	1.80	24,680	384	921	1,842	3,147	0.81	2,549	9,392	2.25	21,132	1,206	0.83	999
Sioux	25,951	1.85	47,899	1,008	706	787	2,501	0.89	2,226	21,099	2.05	43,253	2,351	1.03	2,420
For District	207,058	1.62	336,100	18,325	8,703	24,690	51,718	0.95	49,106	130,491	2.03	265,321	24,849	0.87	21,673
North Central—															
Butler	30,487	1.31	39,905	2,761	2,310	17,921	22,992	1.18	27,131	2,674	2.33	6,230	4,821	1.36	6,544
Cerro Gordo	25,640	1.14	29,171	1,894	1,417	12,607	15,918	0.77	12,257	5,674	2.11	11,972	4,048	1.22	4,942
Floyd	26,951	1.19	31,944	1,430	3,058	16,467	20,955	1.07	22,422	1,931	2.17	4,190	4,065	1.31	5,332
Franklin	24,836	1.69	41,864	2,933	2,111	11,659	16,703	1.31	21,881	6,143	2.65	16,279	1,990	1.86	3,704
Hancock	20,664	1.27	26,344	1,321	1,047	9,026	11,394	0.85	9,685	6,549	2.13	13,949	2,721	1.00	2,710
Humboldt	12,805	1.94	24,815	242	450	2,650	3,342	0.78	2,607	8,349	2.51	20,956	1,114	1.12	1,252
Kossuth	25,655	1.24	31,710	965	2,262	5,580	8,807	0.69	6,077	13,250	1.68	22,260	3,598	0.94	3,373
Mitchell	29,458	1.09	32,120	2,314	4,607	18,049	24,970	0.89	22,223	1,119	2.61	2,921	3,369	2.07	6,976
Winnebago	17,060	1.90	32,437	1,055	1,101	4,034	6,190	1.31	8,109	9,065	2.46	22,300	1,805	1.12	2,028
Worth	21,540	1.44	30,991	2,284	2,631	11,844	16,759	1.23	20,614	3,442	2.65	9,121	1,339	0.94	1,256
Wright	14,954	1.65	24,679	933	841	4,271	6,045	0.91	5,501	7,243	2.39	17,311	1,666	1.12	1,867
For District	250,050	1.38	345,980	18,132	21,835	114,108	154,075	1.03	158,507	65,439	2.25	147,489	30,536	1.31	39,984

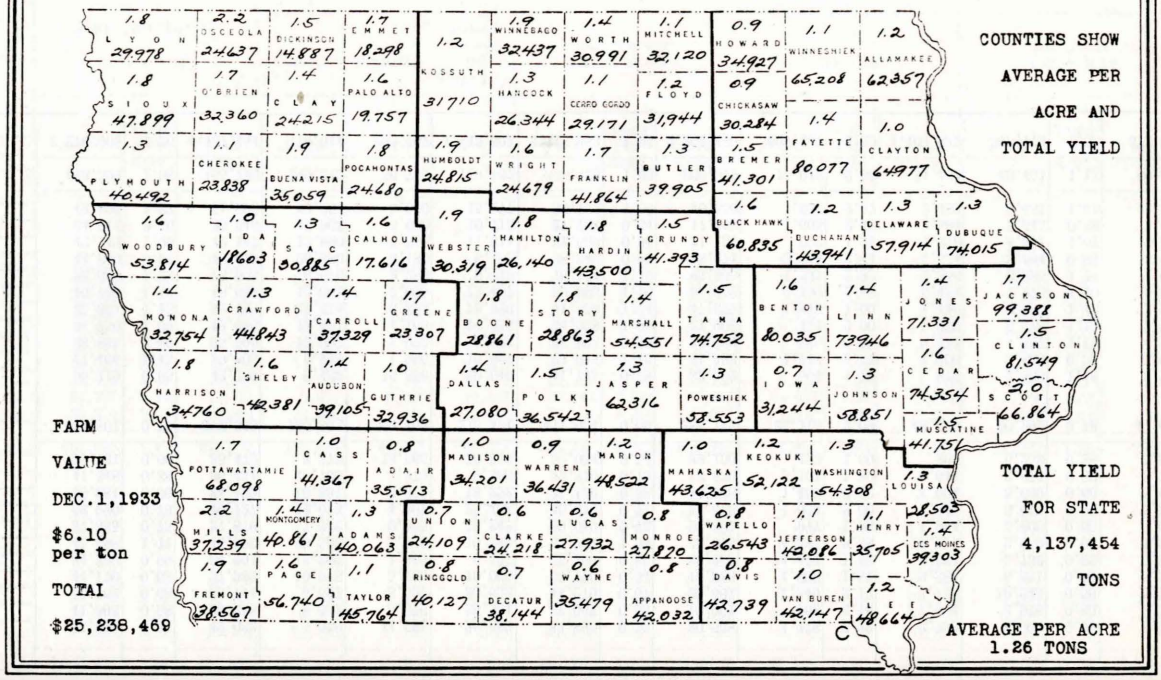
Northeast—															
Allamakee	52,501	1.19	62,357	5,401	4,943	38,495	48,839	1.06	51,769	2,688	3.30	8,870	974	1.76	1,718
Black Hawk	37,915	1.60	60,835	3,851	3,739	17,651	25,241	1.31	33,066	4,433	2.56	11,348	8,241	1.99	16,421
Bremer	27,163	1.52	41,301	3,163	1,977	13,243	18,383	1.49	27,391	2,569	2.79	7,168	6,211	1.09	6,742
Buchanan	37,630	1.17	43,941	1,053	6,057	22,615	29,725	1.06	31,508	888	2.48	2,202	7,017	1.46	10,231
Chickasaw	33,086	0.92	30,284	1,581	2,350	24,271	28,202	0.87	24,536	1,136	2.31	2,624	3,748	0.83	3,124
Clayton	61,649	1.05	64,977	9,439	3,391	40,232	53,062	0.85	45,103	6,514	2.65	17,262	2,073	1.26	2,612
Delaware	44,757	1.29	57,914	3,702	5,699	27,409	36,810	1.19	43,804	2,765	2.56	7,078	5,182	1.36	7,032
Dubuque	55,460	1.33	74,015	9,524	3,998	36,882	50,404	1.22	61,493	3,430	3.16	10,839	1,626	1.04	1,683
Fayette	59,284	1.35	80,077	5,020	7,414	36,153	48,587	1.22	59,276	2,575	2.65	6,824	8,122	1.72	13,977
Howard	37,921	0.92	34,927	1,559	9,726	17,749	29,034	0.77	22,356	1,419	2.37	3,363	7,468	1.23	9,208
Winneshiek	56,977	1.14	65,208	3,236	3,614	42,017	48,867	0.99	48,378	6,239	2.46	15,348	1,871	0.79	1,482
For District	504,343	1.22	615,836	47,529	52,908	316,717	417,154	1.08	448,680	34,656	2.68	92,926	52,533	1.41	74,230
West Central—															
Audubon	28,299	1.38	39,105	9,723	1,345	7,083	18,154	0.85	15,431	8,891	2.58	22,939	1,254	0.59	735
Calhoun	11,372	1.55	17,616	720	800	2,156	3,676	0.85	3,125	7,072	1.96	13,861	624	1.01	630
Carroll	26,027	1.43	37,329	7,464	1,232	6,945	15,641	1.09	17,049	9,421	2.08	19,596	965	0.71	684
Crawford	34,046	1.32	44,843	7,857	1,766	4,705	14,328	0.56	8,024	15,211	2.21	33,616	4,507	0.71	3,203
Greene	13,398	1.74	23,307	1,800	695	1,987	4,482	1.02	4,572	7,256	2.30	16,689	1,660	1.23	2,046
Guthrie	33,328	0.99	32,936	13,228	2,012	9,366	24,606	0.77	18,947	4,522	2.41	10,898	4,200	0.74	3,091
Harrison	19,603	1.77	34,760	136	108	186	430	1.06	456	14,301	2.11	30,175	4,872	0.85	4,129
Ida	18,709	0.99	18,603	4,079	1,100	4,123	9,302	0.44	4,093	8,169	1.68	13,724	1,238	0.63	786
Monona	22,592	1.45	32,754	96	234	816	1,146	1.06	1,215	13,397	1.89	25,320	8,049	0.77	6,219
Sac	24,149	1.28	30,885	6,988	1,256	6,211	14,455	0.83	11,998	8,461	2.12	17,937	1,233	0.77	950
Shelby	26,172	1.62	42,381	5,668	784	2,259	8,711	0.77	6,707	14,964	2.26	33,819	2,497	0.74	1,855
Woodbury	34,240	1.57	53,814	418	319	809	1,546	0.75	1,160	24,495	1.82	44,581	8,199	0.98	8,073
For District	291,935	1.40	408,333	58,182	11,649	46,646	116,477	0.80	92,777	136,160	2.08	283,155	39,298	0.82	32,401
Central—															
Boone	15,930	1.81	28,861	1,711	1,082	2,895	5,688	1.29	7,338	7,645	2.41	18,424	2,597	1.19	3,099
Dallas	18,781	1.44	27,080	6,276	676	1,720	8,672	0.67	5,810	6,833	2.68	18,312	3,276	0.90	2,958
Grundy	28,432	1.46	41,393	7,192	809	16,557	24,558	1.37	33,644	1,451	2.52	3,657	2,423	1.69	4,092
Hamilton	14,395	1.82	26,140	1,262	791	3,673	5,726	1.25	7,158	7,253	2.38	17,262	1,416	1.21	1,720
Hardin	23,761	1.83	43,500	5,682	1,282	8,226	15,190	1.35	20,506	6,544	3.02	19,763	2,027	1.59	3,231
Jasper	47,410	1.31	62,316	28,560	2,217	8,273	39,050	1.12	43,736	6,001	2.54	15,243	2,359	1.41	3,337
Marshall	38,292	1.42	54,551	21,094	2,029	7,255	30,378	1.21	36,757	5,565	2.65	14,747	2,349	1.30	3,047
Polk	24,140	1.51	36,542	5,748	1,273	3,113	10,134	0.83	8,411	8,814	2.49	21,947	5,192	1.19	6,184
Poweshiek	44,207	1.32	58,553	18,690	3,039	18,037	39,766	1.23	48,912	3,247	2.63	8,540	1,194	0.92	1,101
Story	15,914	1.81	28,863	2,192	930	3,866	6,988	1.25	8,735	6,149	2.65	16,295	2,777	1.38	3,833
Tama	50,307	1.49	74,752	13,508	6,582	23,135	43,225	1.31	56,625	5,111	2.94	15,026	1,971	1.57	3,101
Webster	15,652	1.94	30,319	811	819	2,613	4,243	1.14	4,837	10,009	2.42	24,222	1,400	0.96	1,260
For District	337,221	1.52	512,870	112,726	21,529	99,363	233,618	1.21	282,469	74,622	2.59	193,438	28,981	1.28	36,963

TABLE NO. 4—Continued

Districts and Counties	Hay (All Tame)			Kinds or Varieties of Tame Hay											
				Clover	Timothy	Mixed Clover and Timothy	All Clover and Timothy			Alfalfa			All Other Tame Hay		
	Acres	Tons Per Acre	Total Tons	Acres	Acres	Acres	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons
East Central—															
Benton	48,884	1.64	80,035	11,717	3,340	26,241	41,298	1.55	64,012	3,589	2.83	10,157	3,997	1.47	5,866
Cedar	46,054	1.61	74,354	11,905	3,189	26,788	41,882	1.53	64,079	3,018	2.80	8,450	1,154	1.58	1,825
Clinton	55,297	1.47	81,549	11,854	5,619	29,748	47,221	1.31	61,860	6,931	2.67	18,506	1,145	1.03	1,183
Iowa	43,203	0.72	31,244	12,380	2,540	25,464	40,384	0.62	25,038	1,751	2.85	4,990	1,068	1.14	1,216
Jackson	58,317	1.70	99,388	9,408	7,921	27,765	45,094	1.34	60,426	12,085	3.11	37,584	1,138	1.21	1,378
Johnson	46,877	1.26	58,851	16,833	4,188	23,010	44,031	1.20	52,837	1,865	2.59	4,830	981	1.21	1,184
Jones	49,073	1.45	71,331	11,162	4,039	25,961	41,162	1.23	50,629	5,849	3.02	17,664	2,062	1.47	3,038
Linn	52,070	1.42	73,946	9,518	4,149	28,071	41,738	1.28	53,425	5,034	2.71	13,642	5,298	1.30	6,879
Muscatine	27,932	1.49	41,751	6,987	3,127	10,447	20,561	1.36	27,963	4,087	2.20	8,991	3,284	1.46	4,797
Scott	33,878	1.97	66,864	10,980	1,941	12,183	25,104	1.70	42,677	7,612	2.96	22,532	1,162	1.42	1,655
For District	461,585	1.47	679,313	112,744	40,053	235,678	388,475	1.29	502,946	51,821	2.84	147,346	21,289	1.36	29,021
Southwest—															
Adair	45,253	0.78	35,513	19,881	2,423	15,389	37,693	0.62	23,370	3,925	2.21	8,674	3,635	0.95	3,469
Adams	31,813	1.26	40,063	19,378	1,170	4,643	25,191	1.10	27,710	3,758	2.53	9,508	2,864	0.99	2,845
Cass	40,060	1.03	41,367	24,892	1,832	5,723	32,447	0.79	25,633	5,657	2.56	14,482	1,956	0.64	1,252
Fremont	20,279	1.90	38,567	4,573	899	702	6,174	1.41	8,705	9,529	2.58	24,585	4,576	1.15	5,277
Mills	17,093	2.18	37,239	3,306	524	748	4,578	0.93	4,258	10,778	2.91	31,364	1,737	0.93	1,617
Montgomery	28,148	1.45	40,861	15,251	751	2,374	18,376	1.08	19,846	7,349	2.55	18,740	2,423	0.94	2,275
Page	34,545	1.64	56,740	15,907	1,944	4,237	22,088	1.43	31,586	8,957	2.44	21,855	3,500	0.94	3,299
Pottawattamie	41,080	1.66	68,098	6,926	367	1,310	8,603	0.77	6,624	26,077	2.17	56,587	6,460	0.76	4,887
Taylor	41,049	1.11	45,764	25,188	3,023	6,583	34,794	1.01	35,142	2,100	2.73	5,733	4,155	1.18	4,889
For District	299,320	1.35	404,212	135,302	12,933	41,709	189,944	0.96	182,874	78,130	2.45	191,528	31,246	0.95	29,810

South Central—															
Appanoose	51,914	0.81	42,032	5,016	14,285	22,532	41,833	0.73	30,538	1,178	2.32	2,733	8,903	0.98	8,761
Clarke	41,503	0.58	24,218	8,532	3,576	25,554	37,662	0.53	19,961	863	2.16	1,864	2,978	0.80	2,393
Decatur	55,762	0.68	38,144	5,527	8,091	30,652	44,270	0.67	29,661	1,249	2.17	2,710	10,243	0.56	5,773
Lucas	44,110	0.63	27,932	10,978	5,726	19,066	35,770	0.54	19,316	1,809	1.87	3,383	6,531	0.80	5,233
Madison	34,399	0.99	34,201	18,209	1,859	6,127	26,195	0.85	22,266	4,472	1.93	8,631	3,732	0.89	3,304
Marion	41,498	1.17	48,522	20,330	2,842	10,789	33,961	1.08	35,678	4,587	2.38	10,917	2,950	0.65	1,927
Monroe	37,335	0.75	27,870	7,342	9,965	13,242	30,549	0.73	22,301	977	1.98	1,934	5,809	0.63	3,635
Ringgold	52,920	0.76	40,127	12,013	4,397	29,468	45,878	0.71	32,573	1,024	2.00	2,048	6,018	0.91	5,506
Union	36,281	0.66	24,109	10,837	2,023	18,292	31,152	0.58	18,068	1,430	2.52	3,604	3,699	0.66	2,437
Warren	41,348	0.88	36,431	19,705	3,279	9,386	32,370	0.73	23,630	5,101	1.89	9,641	3,877	0.82	3,160
Wayne	58,731	0.60	35,479	8,373	13,365	30,316	52,054	0.56	29,150	425	1.90	808	6,252	0.88	5,521
For District	495,801	0.76	379,065	126,862	69,408	215,424	411,694	0.69	283,142	23,115	2.09	48,273	60,992	0.78	47,650
Southeast—															
Davis	50,119	0.85	42,739	5,439	16,306	20,040	41,785	0.78	32,592	504	1.73	872	7,830	1.18	9,275
Des Moines	27,466	1.43	39,303	9,928	1,980	10,007	21,915	1.43	31,338	1,713	2.51	4,300	3,838	0.95	3,665
Henry	33,823	1.06	35,705	12,907	1,973	13,928	28,808	0.99	28,520	828	2.67	2,211	4,187	1.19	4,974
Jefferson	38,750	1.09	42,086	12,491	4,169	18,338	34,998	1.06	37,098	424	2.90	1,230	3,328	1.13	3,758
Keokuk	45,334	1.15	52,122	19,314	3,325	18,920	41,559	1.14	47,377	1,448	1.00	1,448	2,327	1.42	3,297
Lee	40,765	1.19	48,664	10,091	7,005	13,497	30,593	1.10	33,652	2,199	2.48	5,454	7,973	1.20	9,558
Louisa	22,630	1.26	28,503	6,679	2,286	9,149	18,114	1.19	21,556	1,231	2.32	2,856	3,285	1.25	4,091
Mahaska	44,850	0.97	43,625	26,880	3,180	8,182	38,242	0.87	33,271	3,014	2.44	7,354	3,594	0.83	3,000
Van Buren	42,142	1.00	42,147	12,860	8,385	11,314	32,559	0.96	31,257	692	1.98	1,370	8,891	1.07	9,520
Wapello	34,913	0.76	26,543	11,968	5,080	10,715	27,763	0.64	17,768	1,605	2.42	3,884	5,545	0.88	4,891
Washington	42,800	1.27	54,308	20,655	3,060	15,077	38,792	1.20	46,550	1,355	2.57	3,482	2,653	1.61	4,276
For District	423,592	1.08	455,745	149,212	56,749	149,167	355,128	1.02	360,979	15,013	2.30	34,461	53,451	1.13	60,305
For State	3,270,905	1.26	4,137,454	779,014	295,767	1,243,502	2,318,283	1.02	2,361,480	609,447	2.30	1,403,937	343,175	1.08	372,037

ALL TAME HAY (1933)



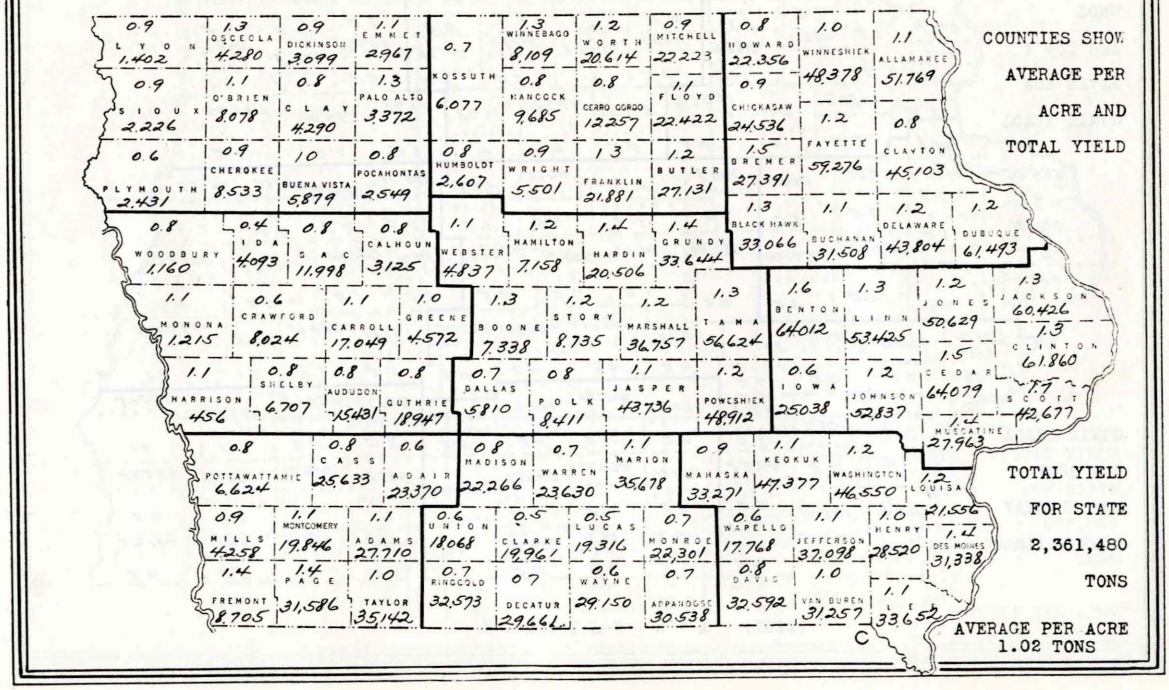
FARM VALUE DEC. 1, 1933 $6.10 per ton TOTAL $25,238,469

COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

TOTAL YIELD FOR STATE 4,137,454 TONS

AVERAGE PER ACRE 1.26 TONS

ALL CLOVER AND TIMOTHY HAY (1933)

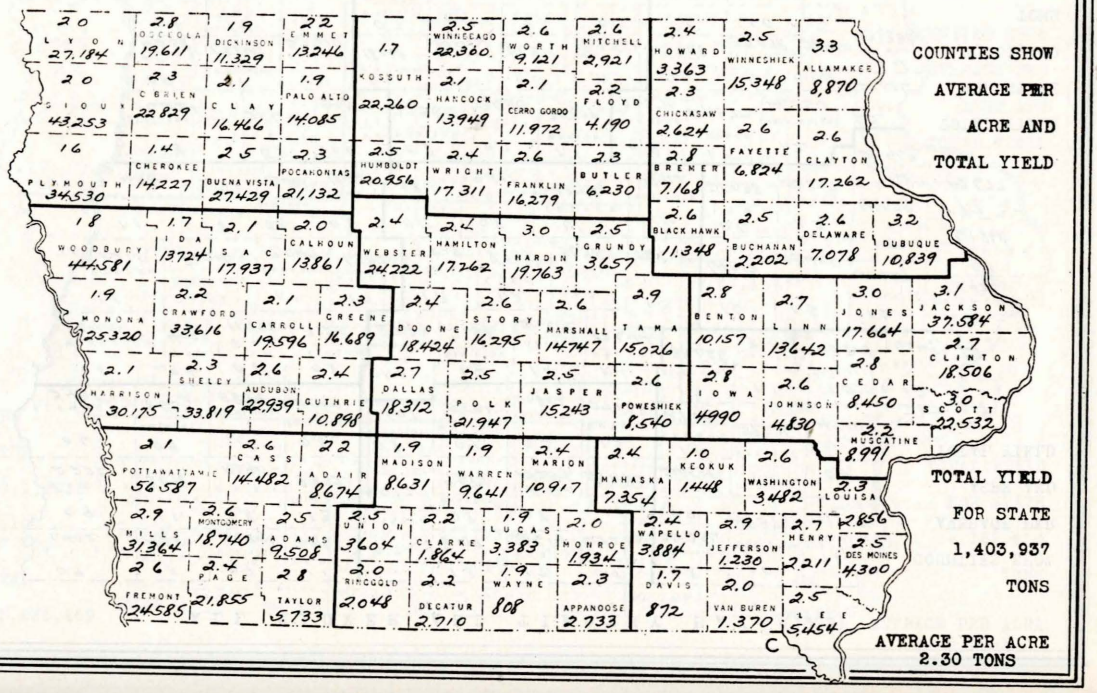


COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

TOTAL YIELD FOR STATE 2,361,480 TONS

AVERAGE PER ACRE 1.02 TONS

ALFALFA HAY (1933)



ALL OTHER TAME HAY
(Soy bean, Grain cut green, Millet, Sudan, etc)

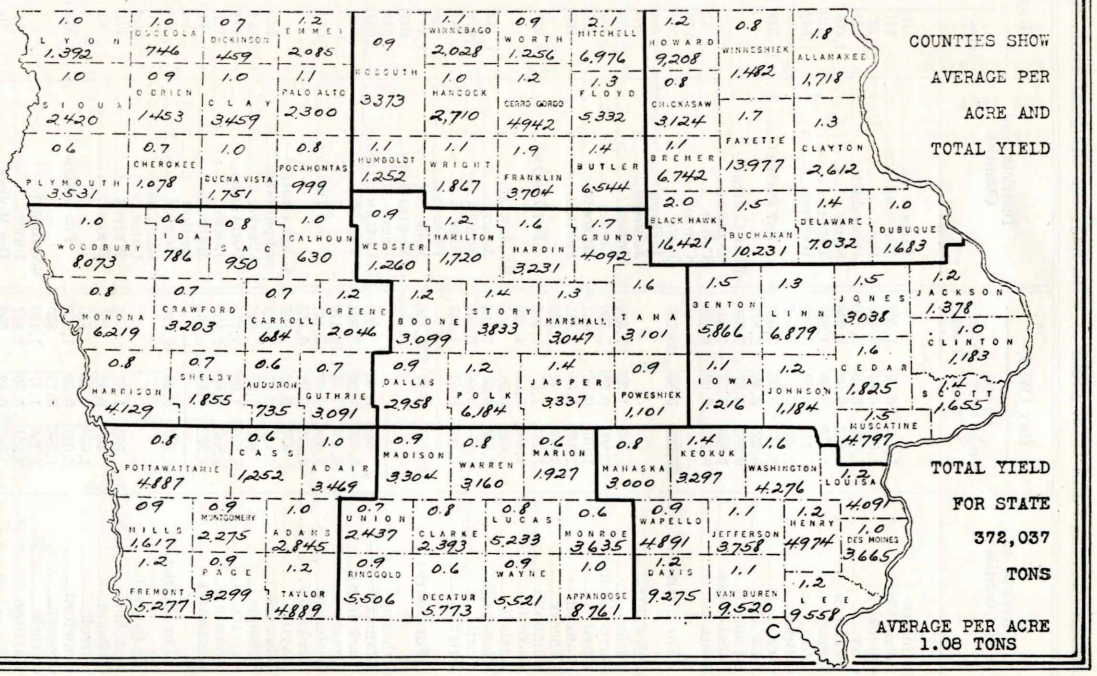


TABLE NO. 5

Acreage, average and total yield of wild hay, for the year 1933, by counties.

Districts and Counties	Hay (Wild)		
	Acres	Tons Per Acre	Total Tons
Northwest—			
Buena Vista	1,741	0.92	1,602
Cherokee	3,649	0.67	2,445
Clay	3,043	0.70	2,130
Dickinson	3,257	0.92	2,996
Emmet	1,450	0.86	1,247
Lyon	5,791	1.02	5,907
O'Brien	2,958	0.55	1,627
Osceola	2,851	0.92	2,623
Palo Alto	6,255	0.46	2,877
Plymouth	9,057	0.87	7,880
Pocahontas	1,853	0.54	1,001
Sioux	9,123	0.92	8,393
For District	51,028	0.80	40,728
North Central—			
Butler	5,788	1.30	7,524
Cerro Gordo	3,869	0.92	3,559
Floyd	1,045	0.92	961
Franklin	2,155	1.00	2,155
Hancock	3,869	0.42	1,625
Humboldt	1,411	1.05	1,482
Kossuth	8,453	0.50	4,226
Mitchell	1,042	0.92	959
Winnebago	7,830	0.95	7,438
Worth	6,494	0.98	6,364
Wright	1,307	0.87	1,137
For District	43,263	0.87	37,430
Northeast—			
Allamakee	542	0.92	499
Black Hawk	3,070	0.92	2,824
Bremer	10,409	1.17	12,179
Buchanan	5,584	0.92	5,137
Chickasaw	6,672	0.92	6,138
Clayton	875	0.92	805
Delaware	2,422	0.67	1,623
Dubuque	266	0.92	245
Fayette	5,302	1.09	5,779
Howard	4,833	0.86	4,156
Winneshiek	3,322	0.86	2,857
For District	43,297	0.98	42,242
West Central—			
Audubon	553	1.67	924
Calhoun	465	0.42	195
Carroll	2,055	0.42	863
Crawford	2,637	0.59	1,556
Greene	1,186	0.75	890
Guthrie	1,256	1.17	1,470
Harrison	2,321	0.80	1,857
Ida	695	0.42	292
Monona	1,400	0.55	770
Sac	1,272	1.09	1,386
Shelby	1,082	0.86	931
Woodbury	3,056	0.66	2,017
For District	17,978	0.73	13,151
Central—			
Boone	2,195	0.88	1,932
Dallas	572	0.92	526
Grundy	1,907	1.05	2,002
Hamilton	1,069	0.92	983
Hardin	1,600	0.92	1,472
Jasper	60	0.42	25
Marshall	111	0.92	102
Polk	725	1.09	790
Poweshiek	11	0.92	10
Story	1,008	0.92	927
Tama	319	0.92	293
Webster	1,942	0.42	816
For District	11,519	0.86	9,878
East Central—			
Benton	557	0.92	512
Cedar	57	1.05	60
Clinton	979	1.25	1,224
Iowa	346	0.92	318
Jackson	388	1.92	745
Johnson	280	0.96	269
Jones	39	1.00	39
Linn	999	0.92	919
Muscatine	325	1.15	374
Scott	763	1.17	893
For District	4,733	1.13	5,353
Southwest—			
Adair	1,448	0.82	1,187
Adams	1,072	0.82	879
Cass	384	1.42	545
Fremont	748	1.42	1,062
Mills	1,425	0.97	1,382
Montgomery	247	0.80	198
Page	344	1.42	488
Pottawattamie	2,634	1.32	3,477
Taylor	344	1.42	488
For District	8,646	1.12	9,706
South Central—			
Appanoose	761	0.92	700
Clarke	32	0.75	24
Decatur	100	0.80	80
Lucas	121	0.62	75
Madison	574	0.42	241
Marion	78	0.45	35
Monroe	60	0.75	45
Ringgold	97	0.92	89
Union	606	0.80	485
Warren	427	0.42	179
Wayne	83	0.80	66
For District	2,939	0.69	2,019
Southeast—			
Davis	14	0.55	8
Des Moines	16	0.90	14
Henry	4	0.65	3
Jefferson			
Keokuk	38	0.80	30
Lee	18	0.80	14
Louisa	103	1.15	118
Mahaska	138	0.82	113
Van Buren	5	0.74	4
Wapello	16	0.65	10
Washington	5	1.02	5
For District	357	0.89	319
For State	183,760	0.88	160,826

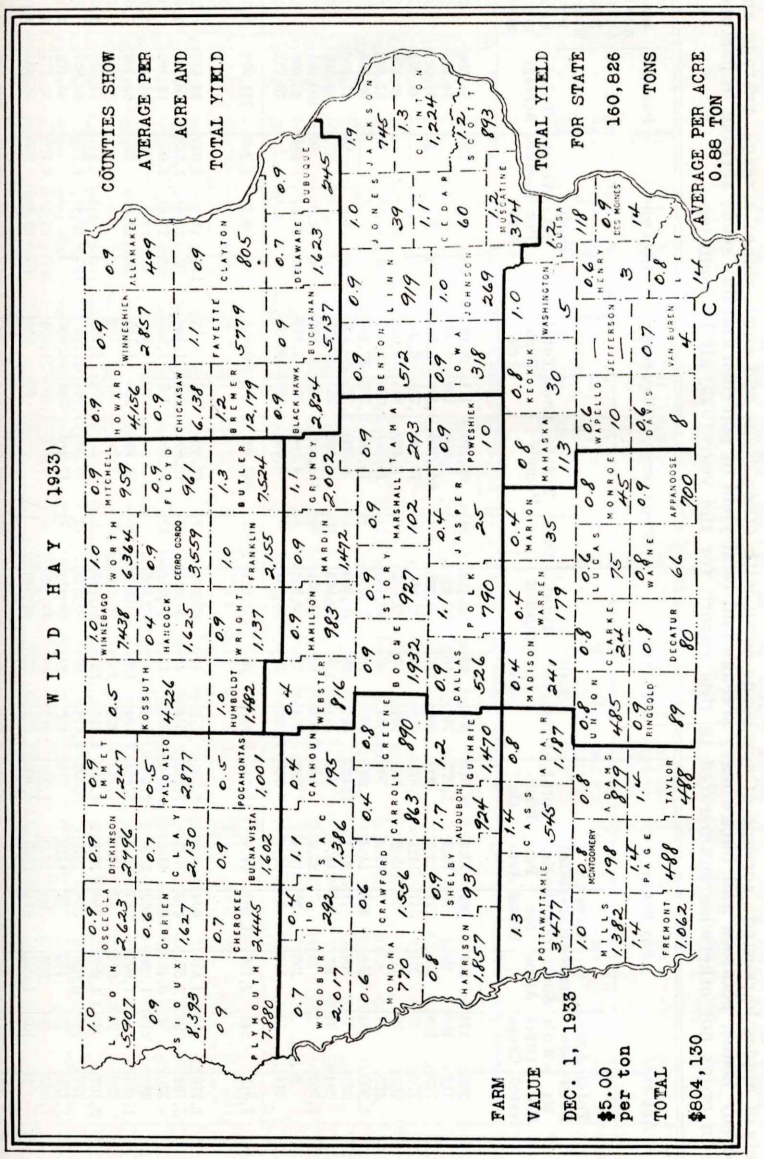


TABLE NO. 6

Number of bushels of apples harvested; acreage of soy beans sown with other crops and sown alone; acreage, average and total yield of soy beans, potatoes and buckwheat; acreage and total yield of pop corn and flax seed; acreage in pastures and acreage in crops not otherwise enumerated in this report, for the year 1933, all by counties.

Districts and Counties	Apples	Soy Beans					Potatoes			Pop Corn		Flax Seed		Buckwheat			Pastures	Acreage in Crops Not Otherwise Enumerated
	Total Bushels Harvested	Acres Sown With Other Crops	Acres Sown Alone	Acres Harvested for Beans	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Total Pounds	Acres	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Total Acreage	
Northwest—																		
Buena Vista	202	114	384	304	13.2	4,013	606	92	55,752	34	62,490	711	3,187	18	8.3	150	54,800	713
Cherokee	112	108	99	70	18.2	1,275	749	70	52,430	6	9,660	102	570				74,828	172
Clay	199	138	230	72	12.5	900	366	112	40,992	347	624,200	1,189	5,584	6	3.5	21	64,661	173
Dickinson	776	25	204	147	11.1	1,625	428	77	32,956	30	73,000	1,781	8,362				44,055	353
Emmet	265	18	321	52	15.0	782	867	95	82,365	2	3,400	1,814	8,012				40,470	117
Lyon	457	17	43	7	14.4	101	1,044	95	99,180	11	15,888	2,064	12,307	6	11.7	70	57,622	148
O'Brien	2,369	127	558	418	14.1	5,897	695	95	66,025	8	15,415	2,736	20,189				60,730	377
Osceola	339	23	164	71	20.1	1,425	648	98	63,504	3	6,300	3,575	29,494	8	7.0	56	37,552	127
Palo Alto	284	64	462	40	15.9	635	451	113	50,963	10	6,400	355	1,478				56,705	258
Plymouth	1,765	2	21	7	23.6	165	1,093	68	74,324	66	114,800	39	250	4	14.0	56	106,535	283
Pocahontas	6		192	36	19.4	697	264	79	20,856	5	4,100	732	3,277	91	10.3	940	43,302	194
Sioux	241	12	112	38	16.6	630	1,003	98	98,294	5	6,650	1,187	8,124				70,712	195
For District	7,015	648	2,790	1,262	14.4	18,145	8,214	90	737,641	527	942,303	16,285	100,834	133	9.7	1,293	711,972	3,110
North Central—																		
Butler	1,738	247	4,874	644	13.6	8,751	779	49	38,171	7	12,360	11	81	145	11.4	1,649	84,685	518
Cerro Gordo	3,701	99	2,874	473	15.7	7,445	644	48	30,912	4	12,600	246	1,108	79	20.0	1,583	76,305	1,473
Floyd	139	36	3,491	657	14.3	9,382	534	73	38,982	12	20,900	187	1,583	62	17.6	1,089	68,107	471
Franklin	886	219	1,250	163	15.0	2,440	853	62	52,886			92	401	13	15.8	204	71,145	1,317
Hancock	1,865	43	1,697	335	16.2	5,421	2,184	129	281,736	16	30,400	166	1,140	28	12.5	350	63,194	2,033
Humboldt	539	25	224	65	17.3	1,123	262	100	26,200	5	8,760	81	132				36,451	109
Kossuth	2,107	35	1,280	250	19.0	4,743	1,116	125	138,750			572	3,750				91,056	1,930
Mitchell	737	219	3,083	538	15.6	8,390	1,372	60	82,320	12	16,500	1,464	11,243	346	13.8	4,777	64,857	883
Winnebago	1,498	59	470	48	14.9	715	458	84	38,472	7	17,210	336	1,806				46,197	2,123
Worth	1,380	96	574	85	12.0	1,024	546	68	37,128	2	1,800	1,799	12,054	568	15.7	8,895	53,571	1,163
Wright	2	103	1,023	244	18.3	4,460	524	85	44,540			60	510	13	19.2	250	56,759	1,091
For District	14,592	1,181	20,840	3,502	15.4	53,894	9,266	87	810,097	65	120,530	5,014	33,808	1,254	15.0	18,797	712,327	13,111

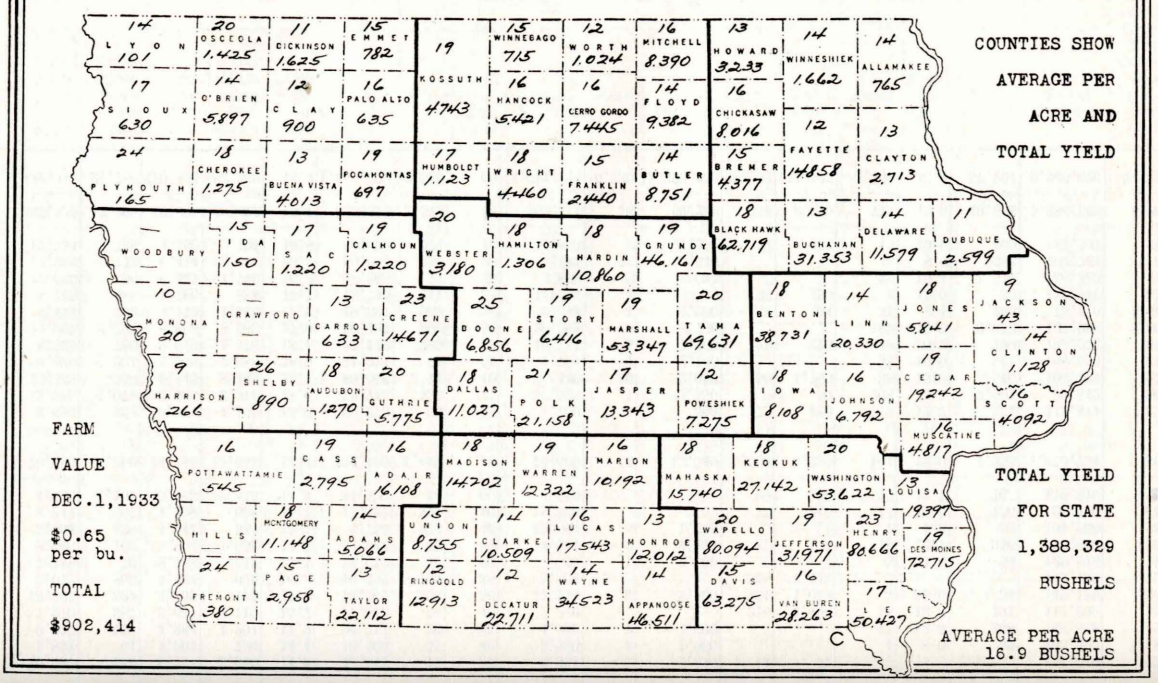
Northeast—																		
Allamakee	987	15	212	55	13.9	765	832	65	54,080	4	6,000	170	679	10	2.4	24	160,596	213
Black Hawk	1,949	393	10,869	3,762	16.7	62,719	454	50	22,700	27	40,800	58	680	98	15.0	1,470	84,041	1,710
Bremer	1,859	452	3,853	297	14.7	4,377	722	70	50,540	16	24,000	10	58	23	6.9	158	72,661	1,111
Buchanan	1,867	908	8,340	2,404	13.0	31,353	370	44	16,280	3	6,250	11	22	85	11.5	977	96,360	197
Chickasaw	356	7	2,277	516	15.5	8,016	296	37	10,952	8	5,600	112	455	124	14.8	1,833	87,737	85
Clayton	2,901	534	1,397	215	12.6	2,713	1,290	58	74,820	3	1,870	32	235				181,422	549
Delaware	1,879	808	4,644	835	13.9	11,579	584	45	26,280	4	5,000			60	8.4	503	102,330	164
Dubuque	4,076	216	801	229	11.3	2,599	1,604	50	80,200	12	7,000	22	182				135,740	752
Fayette	2,851	814	7,190	1,252	11.9	14,858	965	61	58,865	10	9,400	47	264	158	12.8	2,018	140,610	683
Howard	326	644	2,404	256	12.6	3,233	358	42	15,036	7	8,700	320	1,084	892	12.4	11,085	84,417	280
Winneshiek	1,675	356	479	116	14.3	1,662	770	53	40,810	2	2,350	365	1,963	23	12.4	286	141,199	198
For District	20,726	5,151	42,466	9,937	14.5	143,874	8,245	55	450,563	96	116,970	1,147	5,622	1,473	12.5	18,354	1,287,113	5,942
West Central—																		
Audubon	2,557	75	140	71	17.9	1,270	495	82	40,590	4	4,000	125	437	2	25.0	50	74,481	420
Calhoun	313	270	148	64	19.1	1,220	190	102	19,380	306	796,800	43	129				45,717	118
Carroll	180	40	78	48	13.2	633	1,094	107	117,058	302	595,100	592	2,623				73,210	132
Crawford	398	10					905	57	51,585	376	426,300	14	52				114,255	177
Greene	116	773	1,421	650	22.6	14,671	166	127	21,082	10	15,560	94	272				61,330	199
Guthrie	1,706	129	893	288	20.1	5,775	304	65	19,760	11	19,675	83	179	59	8.7	516	112,402	370
Harrison	36,951	70	41	31	8.6	266	680	47	31,960	98	54,475			9	7.8	70	94,866	1,545
Ida	246		57	10	15.0	150	454	71	32,234	903	1,369,240	35	109				49,830	95
Monona	1,087	33	78	2	10.0	20	709	64	45,376			12	20	10	5.0	50	98,737	387
Sac	76	123	202	73	16.7	1,220	713	104	74,152	2,037	5,495,490	135	750	25	22.2	555	60,883	625
Shelby	206	17	178	34	26.2	890	847	62	52,514	30	50,300	28	23				79,988	240
Woodbury	2,900	5	8				1,400	44	61,600	316	285,860	46	62	99	8.2	810	95,929	1,224
For District	46,736	1,545	3,244	1,271	20.5	26,115	7,957	71	567,291	5,393	9,112,800	1,207	4,656	204	10.1	2,051	961,628	5,532
Central—																		
Boone	2,329	353	811	275	24.9	6,856	146	61	8,906	6	8,000	133	826				74,263	579
Dallas	4,092	935	1,446	609	18.1	11,027	195	51	9,945	6	8,600	584	1,489	2	10.0	20	91,383	361
Grundy	914	11	3,884	2,383	19.4	46,161	954	72	68,688	1	1,500	32	332	12	4.8	57	69,732	35
Hamilton	960	11	306	72	18.1	1,306	468	84	39,312	7	16,770	266	2,192	25	18.0	450	59,261	195
Hardin	2,807	361	1,876	600	18.1	10,860	413	59	24,367	139	270,245	99	852	8	5.0	40	74,320	478
Jasper	3,026	321	1,403	804	16.6	13,343	147	50	7,350	4	6,000	153	819				136,605	413
Marshall	932	199	3,920	2,789	19.1	53,347	423	58	24,534	10	15,080	242	2,549	50	10.6	530	85,021	1,566
Polk	24,386	169	2,527	1,002	21.1	21,158	415	42	17,430	105	160,400	479	2,644	16	8.8	140	76,640	4,799
Poweshiek	3,164	43	822	618	11.8	7,275	289	53	15,317	19	36,600	35	318	3	6.7	20	109,812	368
Story	1,536	109	1,211	344	18.7	6,416	120	45	5,400	58	89,500	313	2,536	2	18.0	36	57,346	2,052
Tama	1,773	206	4,590	3,533	19.7	69,631	686	59	40,474	11	17,500	143	1,449				128,927	525
Webster	299	10	279	157	20.3	3,180	328	77	25,256	2	2,100	54	230				76,710	327
For District	46,218	2,728	23,075	13,186	19.0	250,560	4,584	63	286,979	368	632,295	2,533	16,236	118	11.0	1,293	1,040,020	11,698

TABLE NO. 6—Continued

Districts and Counties	Apples	Soy Beans					Potatoes			Pop Corn		Flax Seed		Buckwheat			Pastures	Acreage in Crops Not Otherwise Enumerated
	Total Bushels Harvested	Acres Sown With Other Crops	Acres Sown Alone	Acres Harvested for Beans	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Total Pounds	Acres	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Total Acreage	
East Central—																		
Benton	3,592	294	4,873	2,188	17.7	38,731	467	53	24,751	------	----------	202	1,255	35	6.4	224	106,673	1,562
Cedar	2,505	460	1,612	1,009	19.1	19,242	212	98	20,776	41	65,475	39	521	3	21.7	65	104,903	683
Clinton	1,323	13	341	80	14.1	1,128	334	61	20,374	1	1,000	54	224	25	14.6	364	128,544	318
Iowa	5,789	885	1,115	453	17.9	8,108	589	45	26,505	3	2,050	62	477	2	18.5	37	108,526	348
Jackson	1,873	19	77	5	8.6	43	798	76	60,648	1	1,200	------	------	44	23.4	1,028	185,565	77
Johnson	7,840	371	912	429	15.8	6,792	513	59	30,267	15	17,000	22	154	------	------	------	122,515	601
Jones	572	24	1,095	319	18.3	5,841	512	44	22,528	45	126,200	23	220	13	16.2	210	133,619	279
Linn	2,722	467	4,548	1,433	14.2	20,330	641	56	35,896	21	29,260	34	327	16	14.2	227	129,217	3,200
Muscatine	8,577	320	1,725	308	15.6	4,817	552	40	22,080	3	4,000	------	------	42	18.9	795	80,862	6,549
Scott	11,332	580	606	264	15.5	4,092	1,077	59	63,543	11	15,700	9	100	38	5.3	200	73,960	2,283
For District	46,125	3,433	16,904	6,488	16.8	109,124	5,695	57	327,368	141	261,885	445	3,278	218	14.4	3,150	1,174,384	15,900
Southwest—																		
Adair	3,102	807	2,609	998	16.1	16,108	307	44	13,508	4	6,660	111	709	10	13.0	130	113,655	14
Adams	2,916	173	1,050	357	14.2	5,066	111	49	5,439	2	2,100	47	150	6	6.7	40	97,952	50
Cass	1,677	252	284	144	19.4	2,795	753	59	44,427	2	3,000	6	22	17	13.2	225	98,900	212
Fremont	10,360	10	53	16	23.8	380	145	45	6,525	------	----------	20	50	10	6.0	60	55,223	2,912
Mills	4,711	------	26	------	------	----------	494	62	30,628	6	11,584	24	110	------	------	------	59,011	1,170
Montgomery	764	------	923	633	17.6	11,148	175	52	9,100	5	7,000	46	112	------	------	------	63,853	118
Page	6,408	247	619	195	15.2	2,958	478	38	18,164	7	10,800	24	149	5	10.2	51	92,946	1,859
Pottawattamie	5,215	------	47	35	15.6	545	1,833	59	108,147	40	64,700	4	10	30	16.2	485	119,304	1,974
Taylor	8,136	709	3,147	1,752	12.6	22,112	289	42	12,138	3	5,950	4	22	1	27.0	27	116,069	124
For District	43,289	2,198	8,758	4,130	14.8	61,112	4,585	54	248,076	69	111,794	286	1,334	79	12.9	1,018	816,913	8,433

South Central—																		
Appanoose																		
Clarke	10,707	258	8,124	3,260	14.3	46,511	71	61	4,331	2	2,310	14	57	------	------	------	150,049	278
Decatur	1,838	64	1,907	730	14.4	10,509	57	40	2,280	1	1,200	------	------	4	8.0	32	103,299	80
Lucas	9,077	112	4,984	1,901	11.9	22,711	76	61	4,636	1	1,600	------	------	17	13.5	230	142,828	424
Madison	7,270	387	2,637	1,119	15.7	17,543	58	40	2,320	------	----------	216	1,996	14	13.6	191	112,209	59
Marion	13,391	324	1,132	795	17.9	14,202	308	56	17,248	2	2,000	261	1,019	3	18.0	54	142,189	302
Monroe	3,072	835	1,124	626	16.3	10,192	154	38	5,852	------	----------	318	1,443	------	------	------	119,138	199
Ringgold	7,188	70	2,188	917	13.1	12,012	16	60	960	1	2,500	------	------	5	11.8	59	129,218	134
Union	2,826	103	3,854	1,053	12.3	12,913	63	67	4,221	3	2,170	17	100	28	12.7	356	126,829	201
Warren	5,564	820	1,544	581	15.1	8,755	274	46	12,604	3	1,760	------	------	7	4.3	30	104,256	238
Wayne	8,244	367	1,569	658	18.7	12,322	398	46	18,308	------	----------	75	249	13	10.5	136	126,420	669
For District	1,046	1,160	5,065	2,415	14.3	34,523	14	60	840	------	----------	99	366	13	12.7	165	119,319	221
	70,223	4,500	34,128	14,055	14.4	202,193	1,489	49	73,600	13	13,540	1,000	5,230	104	12.0	1,253	1,375,754	2,805
Southeast—																		
Davis																		
Des Moines	3,623	332	9,074	4,160	15.2	63,275	55	32	1,760	1	560	72	420	19	12.3	234	146,814	230
Henry	15,265	1,078	6,636	3,916	18.6	72,715	533	31	16,523	1	1,550	9	50	268	14.5	3,891	92,542	803
Jefferson	12,268	560	6,446	3,485	23.1	80,666	11	40	440	10	3,000	150	1,705	33	15.9	526	105,199	279
Keokuk	6,626	231	2,966	1,688	18.9	31,971	94	51	4,794	1	2,100	------	------	51	10.0	511	108,590	118
Lee	8,538	780	2,646	1,476	18.4	27,142	229	53	12,137	5	7,200	25	223	49	16.3	799	125,972	370
Louisa	14,987	2,391	8,808	2,963	17.0	50,427	509	58	29,522	15	8,790	------	------	189	15.7	2,976	137,608	2,864
Mahaska	8,458	703	3,179	1,473	13.2	19,397	269	36	9,684	1	1,200	18	104	31	8.4	260	75,119	1,645
Van Buren	8,719	386	1,790	888	17.7	15,740	244	52	12,688	------	----------	30	120	2	15.0	30	112,348	470
Wapello	27,625	30	6,531	1,746	16.2	28,263	74	39	2,886	2	2,047	------	------	49	10.4	510	156,233	334
Washington	13,255	173	6,414	3,936	20.3	80,094	256	29	7,424	13	16,540	------	------	43	8.9	382	104,723	767
For District	17,756	738	4,160	2,707	19.8	53,622	271	43	11,653	9	21,252	71	507	43	10.9	469	121,361	324
	137,120	7,402	58,650	28,438	18.4	523,312	2,545	43	109,511	58	64,239	375	3,129	777	13.6	10,588	1,286,509	8,204
For State	432,044	28,786	210,855	82,269	16.9	1,388,329	52,580	69	3,611,126	6,730	11,376,356	28,292	174,127	4,360	13.3	57,797	9,366,620	74,735

SOY BEANS (1933)



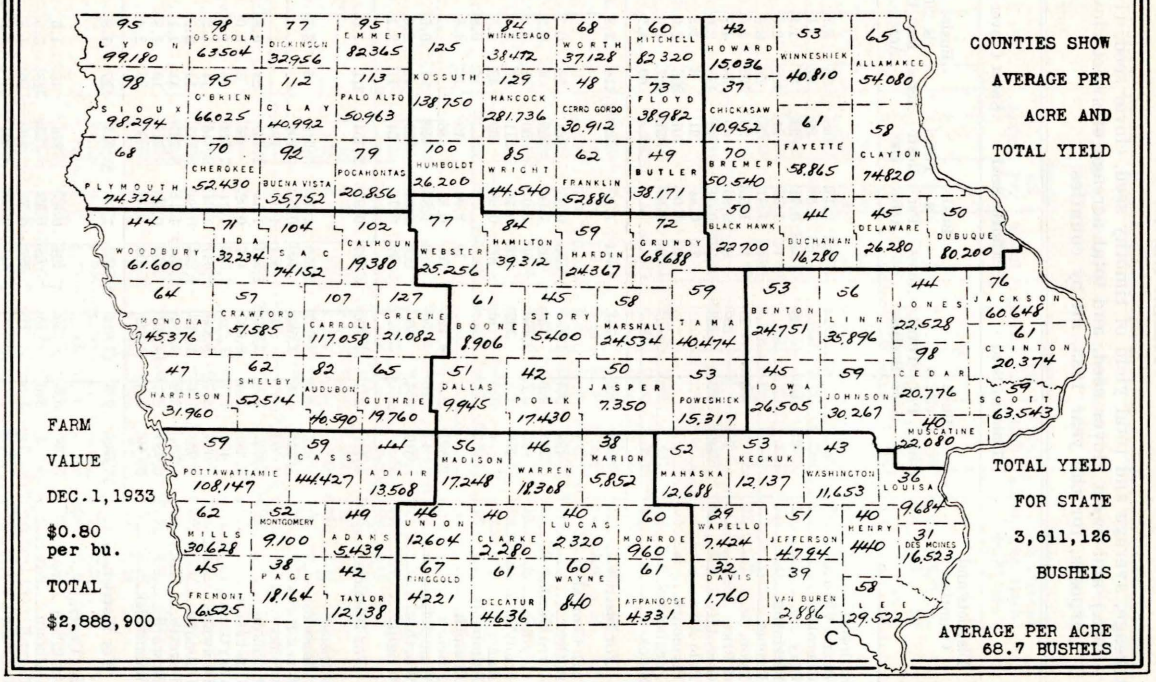
FARM VALUE DEC. 1, 1933 $0.65 per bu. TOTAL $902,414

COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

TOTAL YIELD FOR STATE 1,388,329 BUSHELS

AVERAGE PER ACRE 16.9 BUSHELS

POTATOES (1933)



FARM VALUE DEC. 1, 1933 $0.80 per bu. TOTAL $2,888,900

COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

TOTAL YIELD FOR STATE 3,611,126 BUSHELS

AVERAGE PER ACRE 68.7 BUSHELS

TABLE NO. 7

Acreage, average and total yield of timothy seed, clover seed, (red, alsike, etc.) and sweet clover seed, and total acreage of sweet clover for all purposes, for the year 1933, all by counties.

Districts and Counties	Timothy Seed			*Clover Seed			Sweet Clover Seed			†Sweet Clover
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres
Northwest—										
Buena Vista				32	2.12	68	15	3.9	58	3,943
Cherokee				52	0.56	29	82	3.0	248	1,331
Clay	21	1.9	39	35	0.71	25	87	1.3	115	2,355
Dickinson				14	1.50	21	108	2.3	244	1,130
Emmet				42	1.81	76	58	3.8	220	1,619
Lyon	3	6.7	20	17	1.53	26	123	4.0	493	1,194
O'Brien	92	2.3	209	86	0.80	69	56	4.8	270	2,475
Osceola	142	3.5	493	59	0.71	42	183	3.0	558	1,631
Palo Alto				25	0.84	21	6	1.3	8	1,542
Plymouth				49	2.06	101	203	2.0	416	6,411
Pocahontas				33	1.55	51	137	1.9	258	885
Sioux							60	4.2	253	2,485
For District	258	2.9	761	444	1.19	529	1,118	2.8	3,141	27,001
North Central—										
Butler	428	3.4	1,436	595	0.95	564	28	0.7	20	117
Cerro Gordo	125	3.0	377	192	1.06	203	6	2.3	14	1,172
Floyd	829	3.6	2,986	89	1.01	90	37	1.2	45	28
Franklin	168	4.4	732	270	0.78	211	27	1.1	29	1,724
Hancock	4	2.5	10	102	0.68	69	42	2.5	107	1,080
Humboldt							12	0.8	10	2,614
Kossuth				10	1.90	19	16	4.8	77	4,563
Mitchell	2,892	2.9	8,490	709	0.83	586				37
Winnebago	15	2.0	30	82	1.82	149	91	0.5	45	2,726
Worth	310	2.1	665	206	1.01	209	41	2.6	106	399
Wright				72	0.75	54	11	3.1	34	3,518
For District	4,771	3.1	14,726	2,327	0.93	2,154	311	1.6	487	17,978
Northeast—										
Allamakee	692	2.9	2,027	3,339	1.17	3,918	6	3.8	23	62
Black Hawk	329	4.8	1,583	799	0.99	792				58
Bremer	63	4.1	260	171	1.13	194				12
Buchanan	1,055	3.8	3,964	1,551	1.13	1,759	24	0.8	20	177
Chickasaw	3,286	2.4	8,035	497	0.92	456	5	3.0	15	5
Clayton	453	2.7	1,228	6,616	1.14	7,574	16	1.1	17	138
Delaware	919	3.7	3,430	2,647	1.04	2,746	14	1.2	17	210
Dubuque	522	3.6	1,896	4,238	0.89	3,782	14	3.2	45	151
Fayette	1,924	3.2	6,187	3,359	1.11	3,727	11	1.1	12	50
Howard	3,759	2.7	10,261	353	0.97	343	19	1.8	34	45
Winneshiek	2,060	2.3	4,642	598	1.05	626	20	2.4	49	164
For District	15,062	2.9	43,513	24,168	1.07	25,917	129	1.8	232	1,072
West Central—										
Audubon	38	0.8	30	424	0.65	276	45	1.6	73	2,816
Calhoun	3	5.0	15	28	0.89	25	128	3.9	493	2,300
Carroll	11	1.5	17	320	0.77	245	20	1.8	36	923
Crawford				511	0.59	301	348	3.3	1,275	9,712
Greene	14	1.6	22	194	1.47	285	98	2.3	229	3,504
Guthrie	1,050	1.1	1,123	2,215	0.69	1,528	106	0.8	84	321
Harrison				43	1.07	46	802	4.0	3,178	11,084
Ida	23	1.4	33	229	1.02	234	398	4.8	1,911	954
Monona				18	0.83	15	956	3.5	3,379	3,646
Sac	5	0.4	2	87	1.00	87	7	3.6	25	1,583
Shelby	5	4.0	20	1,041	1.00	1,043	257	3.5	905	11,472
Woodbury				34	1.12	38	2,210	3.2	6,989	21,779
For District	1,149	1.1	1,262	5,144	0.80	4,123	5,411	3.4	18,577	70,094

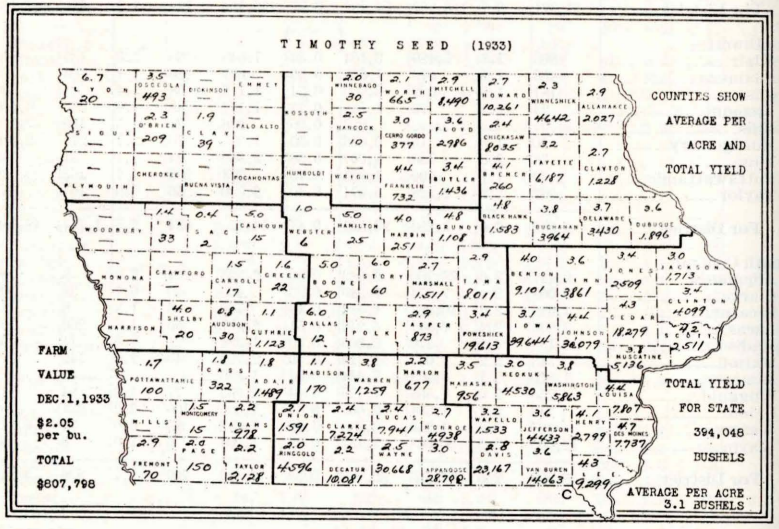
TABLE NO. 7—Continued

Districts and Counties	Timothy Seed			*Clover Seed			Sweet Clover Seed			†Sweet Clover
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres
Central—										
Boone	10	5.0	50	145	1.23	179	431	2.6	1,105	3,761
Dallas	2	6.0	12	1,151	0.87	1,000	90	1.1	99	3,253
Grundy	229	4.8	1,108	442	0.72	318				75
Hamilton	5	5.0	25	6	0.50	3	40	2.6	102	2,788
Hardin	63	4.0	251	497	1.05	524	42	1.1	47	1,167
Jasper	299	2.9	873	5,666	0.61	3,430	65	2.2	145	361
Marshall	552	2.7	1,511	2,164	0.71	1,530	90	3.4	310	379
Polk				1,050	0.72	760	87	1.2	107	4,753
Poweshiek	5,835	3.4	19,613	4,553	0.58	2,645	19	3.4	65	98
Story	10	6.0	60	104	1.23	128	51	5.4	273	6,062
Tama	2,755	2.9	8,011	3,718	0.96	3,559				56
Webster	6	1.0	6	42	1.48	62	51	1.7	88	1,662
For District	9,766	3.2	31,520	19,538	0.72	14,138	966	2.4	2,341	24,415
East Central—										
Benton	2,259	4.0	9,101	1,342	1.10	1,481	15	2.0	30	79
Cedar	4,243	4.3	18,279	2,807	0.96	2,704	14	0.6	8	114
Clinton	1,200	3.4	4,099	2,760	0.84	2,314				114
Iowa	12,970	3.1	39,644	3,792	0.86	3,248	11	1.4	15	36
Jackson	566	3.0	1,713	5,246	0.99	5,188	34	1.6	53	1,043
Johnson	6,812	4.4	30,079	5,434	0.93	5,057				42
Jones	743	3.4	2,509	3,529	0.91	3,224	71	1.1	79	173
Linn	1,082	3.6	3,861	4,665	1.04	4,861	25	0.8	20	218
Muscatine	1,349	3.8	5,136	1,877	1.03	1,932	12	2.5	30	129
Scott	597	4.2	2,511	2,980	1.09	3,245	46	1.0	47	332
For District	31,821	3.7	116,932	34,432	0.97	33,254	228	1.2	282	2,286
Southwest—										
Adair	806	1.8	1,489	3,164	0.33	1,049	66	2.0	135	515
Adams	453	2.2	978	1,668	0.36	607	26	4.1	106	573
Cass	181	1.8	322	3,262	0.34	1,112	58	1.4	81	600
Fremont	24	2.9	70	1,568	0.75	1,177	88	4.0	353	6,486
Mills				237	0.95	226	34	3.5	120	7,519
Montgomery	10	1.5	15	2,633	0.50	1,313	76	3.7	279	2,446
Page	76	2.0	150	4,907	0.58	2,860	24	2.1	51	355
Pottawattamie	60	1.7	100	1,031	0.75	771	266	1.7	465	29,929
Taylor	952	2.2	2,128	5,071	0.40	2,040	56	2.9	161	157
For District	2,562	2.0	5,252	23,541	0.47	11,155	694	2.5	1,751	48,580
South Central—										
Appanoose	9,487	3.0	28,700	2,583	0.90	2,335	4	2.0	8	61
Clarke	3,068	2.4	7,274	1,349	0.36	490	43	0.7	32	62
Decatur	4,649	2.2	10,081	1,542	0.49	759	6	1.3	8	31
Lucas	3,273	2.4	7,941	4,243	0.51	2,177	55	4.8	266	107
Madison	153	1.1	170	2,805	0.50	1,394	21	1.0	21	100
Marion	313	2.2	677	4,713	0.59	2,792	49	2.9	142	179
Monroe	1,829	2.7	4,938	2,444	0.54	1,320				2
Ringgold	2,256	2.0	4,596	4,415	0.44	1,955	77	1.2	94	112
Union	743	2.1	1,591	2,665	0.41	1,095	106	2.2	231	189
Warren	327	3.8	1,259	3,333	0.48	1,612	25	0.9	22	3,415
Wayne	12,200	2.5	30,668	3,157	0.48	1,504	6	1.0	6	84
For District	38,298	2.6	97,895	33,249	0.52	17,433	392	2.1	830	4,342

TABLE NO. 7—Continued

Districts and Counties	Timothy Seed			*Clover Seed			Sweet Clover Seed			†Sweet Clover
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres
Southeast—										
Davis	8,188	2.8	23,167	3,168	0.89	2,812				25
Des Moines	1,654	4.7	7,737	3,480	0.81	2,834	5	0.6	3	53
Henry	685	4.1	2,799	2,371	0.78	1,854				77
Jefferson	1,222	3.6	4,433	4,862	0.60	2,904				36
Keokuk	1,487	3.0	4,530	5,960	0.58	3,431	16	0.4	7	26
Lee	2,167	4.3	9,299	4,490	0.71	3,186	2	1.5	3	19
Louisa	1,767	4.4	7,807	2,886	0.81	2,338				84
Mahaska	270	3.5	956	4,383	0.52	2,276	29	3.6	103	84
Van Buren	3,879	3.6	14,063	6,368	0.78	4,947	40	3.3	132	110
Wapello	485	3.2	1,533	2,360	0.61	1,447	48	3.8	180	115
Washington	1,560	3.8	5,863	7,288	0.82	5,956				47
For District	23,364	3.5	82,187	47,616	0.71	33,985	140	3.1	428	676
For State	127,051	3.1	394,048	190,459	0.75	142,688	9,389	3.0	28,069	196,438

*Does not include sweet clover.
†Sweet clover, all varieties, for all purposes.



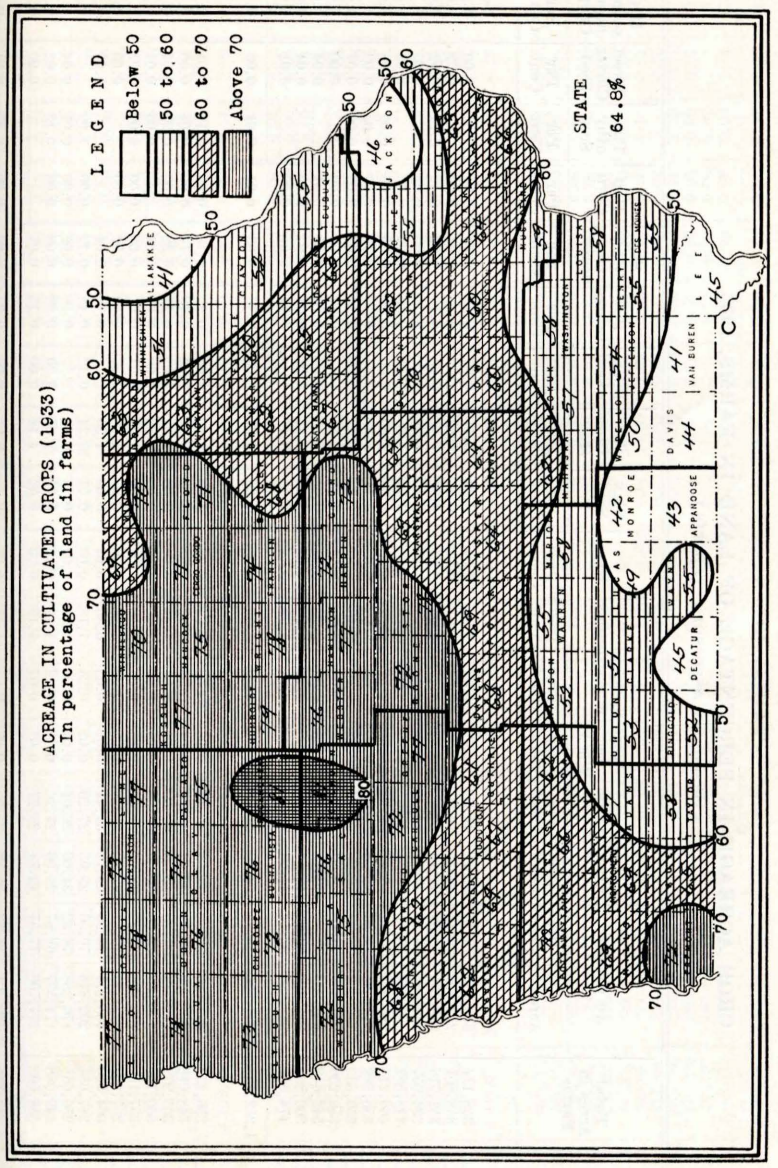


TABLE NO. 8

CROP ACREAGE IN PERCENTAGE OF LAND IN FARMS, 1933

(Based on assessors' reports)

Districts and Counties	Total Acres in Farms	All Crops*		Corn	Oats	Winter Wheat	Spring Wheat	Barley	Rye	Flax Seed	All Tame Hay	Buckwheat	Potatoes	Soy Beans (for beans)	Pop Corn	Timothy Seed	Sweet Clover Seed	Miscellaneous Crops
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Northwest—																		
Buena Vista	358,114	273,065	76.25	41.01	27.26	0.01	0.02	2.14	0.04	0.20	5.11	0.00	0.17	0.08	0.01	-------	0.00	0.20
Cherokee	358,501	258,576	72.13	39.75	19.29	0.01	0.04	6.87	0.02	0.03	5.82	-------	0.21	0.02	0.00	-------	0.02	0.05
Clay	352,716	259,234	73.50	38.90	24.35	0.02	0.09	4.48	0.21	0.34	4.81	0.00	0.10	0.02	0.10	0.01	0.02	0.05
Dickinson	234,057	171,657	73.34	37.01	22.86	0.07	0.08	7.51	0.27	0.76	4.33	-------	0.18	0.06	0.01	-------	0.05	0.15
Emmet	248,592	190,201	76.51	39.09	27.07	0.07	0.04	4.49	0.33	0.73	4.25	-------	0.35	0.02	0.00	-------	0.02	0.05
Lyon	366,215	280,903	76.70	38.59	26.13	0.05	0.08	6.25	0.18	0.56	4.50	0.00	0.29	0.00	0.00	0.00	0.03	0.04
O'Brien	355,582	271,307	76.30	38.90	22.85	0.00	0.06	7.83	0.05	0.77	5.37	-------	0.19	0.12	0.00	0.03	0.02	0.11
Osceola	250,633	196,069	78.23	38.09	27.00	0.03	0.19	6.40	0.20	1.43	4.42	0.00	0.26	0.03	0.00	0.06	0.07	0.05
Palo Alto	350,256	264,394	75.49	39.56	30.12	0.16	0.02	1.60	0.27	0.10	3.45	-------	0.13	0.01	0.00	-------	0.00	0.07
Plymouth	542,643	395,900	72.96	40.85	18.33	0.18	0.28	6.72	0.43	0.01	5.86	0.00	0.20	0.00	0.01	-------	0.04	0.05
Pocahontas	360,898	291,872	80.87	42.96	32.82	0.05	0.04	0.71	0.09	0.20	3.81	0.02	0.07	0.01	0.00	-------	0.04	0.05
Sioux	474,561	368,326	77.61	41.16	24.18	0.06	0.11	5.99	0.12	0.25	5.47	-------	0.21	0.01	0.00	-------	0.01	0.04
For District	4,252,768	3,221,504	75.75	39.88	24.84	0.06	0.10	5.09	0.19	0.38	4.87	0.00	0.19	0.03	0.01	0.01	0.03	0.07
North Central—																		
Butler	356,259	243,026	68.22	34.55	23.49	0.05	0.06	0.64	0.15	0.00	8.56	0.04	0.22	0.18	0.00	0.12	0.01	0.15
Cerro Gordo	348,018	245,760	70.62	35.61	25.25	0.01	0.05	1.40	0.05	0.07	7.37	0.02	0.19	0.14	0.00	0.04	0.00	0.42
Floyd	305,972	218,142	71.29	33.73	26.50	0.04	0.03	1.22	0.06	0.06	8.81	0.02	0.17	0.22	0.00	0.27	0.01	0.15
Franklin	360,769	266,532	73.88	39.59	25.08	0.01	0.07	1.42	0.10	0.03	6.88	0.00	0.24	0.04	-------	0.05	0.01	0.36
Hancock	357,139	266,846	74.72	38.02	28.32	0.01	0.03	1.12	0.09	0.05	5.79	0.01	0.61	0.09	0.00	0.00	0.01	0.57
Humboldt	267,369	212,211	79.37	42.46	30.58	0.03	0.06	1.20	0.06	0.03	4.79	-------	0.10	0.02	0.00	-------	0.00	0.04
Kossuth	604,320	465,271	76.99	39.72	31.44	0.02	0.03	0.86	0.04	0.09	4.25	-------	0.18	0.04	-------	-------	0.00	0.32
Mitchell	287,684	202,818	70.50	29.03	27.20	0.02	0.24	1.13	0.03	0.51	10.24	0.12	0.48	0.19	0.00	1.00	-------	0.31
Winnebago	250,668	176,258	70.32	34.60	26.01	0.01	0.09	1.53	0.04	0.13	6.81	-------	0.18	0.02	0.00	0.01	0.04	0.85
Worth	249,088	171,537	68.87	29.56	27.26	0.17	0.12	1.17	0.13	0.72	8.65	0.23	0.22	0.03	0.00	0.12	0.02	0.47
Wright	358,002	277,700	77.57	42.34	29.21	0.01	0.07	1.19	0.03	0.02	4.18	0.00	0.15	0.07	-------	-------	0.00	0.30
For District	3,745,288	2,746,101	73.32	36.79	27.55	0.03	0.07	1.14	0.07	0.13	6.68	0.03	0.25	0.09	0.00	0.13	0.01	0.35

Northeast—																		
Allamakee	386,666	156,672	40.52	13.15	11.06	0.09	0.16	1.81	0.06	0.04	12.58	0.00	0.22	0.01	0.00	0.18	0.00	0.06
Black Hawk	342,718	230,944	67.39	33.47	19.69	0.08	0.09	0.89	0.22	0.02	11.06	0.03	0.13	1.10	0.01	0.10	-------	0.50
Bremer	268,521	167,590	62.41	28.85	22.11	0.07	0.06	0.27	0.10	0.00	10.12	0.01	0.27	0.11	0.01	0.02	-------	0.41
Buchanan	353,162	229,346	64.94	32.53	19.97	0.12	0.04	0.29	0.17	0.00	10.65	0.02	0.10	0.68	0.00	0.30	0.01	0.06
Chickasaw	305,843	193,114	63.14	27.57	22.46	0.04	0.05	0.70	0.06	0.03	10.82	0.04	0.10	0.17	0.00	1.07	0.00	0.03
Clayton	472,024	243,467	51.58	19.34	16.76	0.11	0.18	1.46	0.13	0.01	13.06	-------	0.27	0.04	0.00	0.10	0.00	0.12
Delaware	352,124	223,082	63.35	29.58	19.28	0.04	0.09	0.73	0.19	-------	12.71	0.02	0.16	0.24	0.00	0.26	0.00	0.05
Dubuque	367,505	202,059	54.98	21.47	16.14	0.05	0.20	1.10	0.07	0.01	15.09	-------	0.44	0.06	0.00	0.14	0.00	0.21
Fayette	447,608	268,794	60.05	25.18	19.40	0.07	0.07	0.89	0.07	0.01	13.24	0.04	0.22	0.28	0.00	0.43	0.00	0.15
Howard	295,384	186,552	63.16	23.11	23.69	0.04	0.10	1.28	0.10	0.11	12.84	0.30	0.12	0.09	0.00	1.27	0.01	0.10
Winneshiek	427,763	239,459	55.98	21.06	18.23	0.07	0.15	2.29	0.03	0.08	13.32	0.01	0.18	0.03	0.00	0.48	0.00	0.05
For District	4,019,318	2,341,079	58.25	24.57	18.66	0.07	0.11	1.13	0.11	0.03	12.55	0.04	0.21	0.25	0.00	0.37	0.00	0.15
West Central—																		
Audubon	279,528	186,963	66.89	36.72	17.78	0.17	0.06	1.57	0.03	0.05	10.12	0.00	0.18	0.03	0.00	0.01	0.02	0.15
Calhoun	350,986	285,173	81.25	42.98	34.19	0.06	0.02	0.49	0.03	0.01	3.24	-------	0.05	0.02	0.09	0.00	0.04	0.03
Carroll	359,468	260,122	72.36	40.33	21.77	0.31	0.16	1.92	0.02	0.17	7.24	-------	0.30	0.01	0.08	0.00	0.01	0.04
Crawford	446,581	277,902	62.23	37.74	14.04	0.23	0.39	1.75	0.05	0.00	7.62	-------	0.20	-------	0.08	-------	0.09	0.04
Greene	352,502	270,867	76.84	45.21	27.02	0.04	0.04	0.34	0.04	0.03	3.80	-------	0.05	0.18	0.00	0.00	0.03	0.06
Guthrie	366,415	225,185	61.46	33.81	16.35	0.40	0.08	1.08	0.02	0.02	9.10	0.02	0.08	0.08	0.00	0.29	0.03	0.10
Harrison	422,492	263,962	62.48	46.23	6.56	2.39	1.22	0.64	0.05	-------	4.64	0.00	0.16	0.01	0.02	-------	0.19	0.37
Ida	272,626	204,095	74.86	42.96	19.41	0.00	0.02	4.87	0.04	0.01	6.86	-------	0.17	0.00	0.33	0.01	0.15	0.03
Monona	418,084	282,519	67.57	44.14	9.43	5.11	1.16	1.75	0.09	0.00	5.40	0.00	0.17	0.00	-------	-------	0.23	0.09
Sac	356,933	270,710	75.84	42.11	21.95	0.03	0.02	3.66	0.01	0.04	6.77	0.01	0.20	0.02	0.85	0.00	0.00	0.17
Shelby	367,716	254,551	69.22	42.29	17.63	0.13	0.11	1.52	0.03	0.01	7.12	0.00	0.23	0.01	0.01	0.00	0.07	0.06
Woodbury	524,045	379,520	72.42	45.42	14.12	2.58	0.11	2.33	0.32	0.01	6.53	0.02	0.27	0.00	0.06	-------	0.42	0.23
For District	4,517,376	3,161,569	69.99	41.86	17.78	1.11	0.31	1.77	0.07	0.03	6.46	0.00	0.18	0.03	0.12	0.03	0.12	0.12
Central—																		
Boone	348,769	252,664	72.44	40.52	25.95	0.17	0.10	0.65	0.03	0.04	4.57	-------	0.04	0.08	0.00	0.00	0.12	0.17
Dallas	366,464	249,935	68.20	39.66	20.77	1.66	0.01	0.44	0.04	0.16	5.12	0.00	0.05	0.17	0.00	0.00	0.02	0.10
Grundy	315,958	226,705	71.75	35.98	24.01	0.02	0.03	1.53	0.03	0.01	9.00	0.00	0.30	0.76	0.00	0.07	-------	0.01
Hamilton	359,182	278,170	77.45	41.47	30.93	0.10	0.11	0.49	0.05	0.07	4.01	0.01	0.13	0.02	0.00	0.00	0.01	0.05
Hardin	350,425	253,345	72.30	39.65	24.16	0.02	0.03	1.06	0.07	0.03	6.78	0.00	0.12	0.17	0.04	0.02	0.01	0.14
Jasper	450,018	287,197	63.82	34.27	16.87	0.83	0.10	0.73	0.07	0.03	10.54	-------	0.03	0.18	0.00	0.07	0.01	0.09
Marshall	352,649	244,952	69.46	35.39	19.20	0.43	0.11	1.76	0.08	0.07	10.86	0.02	0.12	0.79	0.00	0.16	0.03	0.44
Polk	315,560	216,591	68.64	37.09	18.39	2.44	0.24	0.52	0.12	0.15	7.65	0.01	0.13	0.32	0.03	-------	0.03	1.52
Poweshiek	365,766	234,493	64.11	31.93	17.04	0.13	0.10	0.83	0.02	0.01	12.09	0.00	0.08	0.17	0.01	1.59	0.01	0.10
Story	346,510	269,323	77.72	44.25	27.09	0.26	0.05	0.56	0.07	0.09	4.59	0.00	0.03	0.10	0.02	0.00	0.02	0.59
Tama	446,757	283,875	63.54	30.39	17.58	0.26	0.10	2.20	0.04	0.03	11.26	-------	0.15	0.79	0.00	0.62	-------	0.12
Webster	438,710	333,974	76.13	39.43	32.16	0.03	0.07	0.61	0.05	0.01	3.57	-------	0.08	0.04	0.00	0.00	0.01	0.07
For District	4,456,768	3,131,224	70.26	37.32	22.79	0.51	0.09	0.96	0.05	0.06	7.57	0.00	0.10	0.30	0.01	0.22	0.02	0.26

TABLE NO. 8—Continued

Districts and Counties	Total Acres in Farms	All Crops*		Corn	Oats	Winter Wheat	Spring Wheat	Barley	Rye	Flax Seed	All Tame Hay	Buckwheat	Potatoes	Soy Beans (for beans)	Pop Corn	Timothy Seed	Sweet Clover Seed	Miscellaneous Crops
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
East Central—																		
Benton	443,747	309,395	69.72	33.17	20.92	0.16	0.07	2.77	0.10	0.05	11.02	0.01	0.10	0.49	-------	0.51	0.00	0.35
Cedar	354,906	226,862	63.92	30.79	15.14	0.51	0.04	2.63	0.09	0.01	12.98	0.00	0.06	0.28	0.01	1.19	0.00	0.19
Clinton	424,025	268,056	63.22	32.37	14.39	0.57	0.07	2.21	0.09	0.01	13.04	0.01	0.08	0.02	0.00	0.28	-------	0.08
Iowa	360,103	216,855	60.22	28.49	13.89	0.47	0.07	1.23	0.06	0.02	12.00	0.00	0.16	0.13	0.00	3.60	0.00	0.10
Jackson	391,701	181,991	46.46	18.43	11.20	0.13	0.16	1.08	0.19	-------	14.89	0.01	0.20	0.00	0.00	0.14	0.01	0.02
Johnson	372,289	222,667	59.81	29.13	14.91	0.32	0.04	0.46	0.10	0.01	12.59	-------	0.14	0.12	0.00	1.83	-------	0.16
Jones	351,377	194,148	55.25	25.33	13.56	0.05	0.09	1.62	0.07	0.01	13.97	0.00	0.14	0.09	0.01	0.21	0.02	0.08
Linn	421,109	262,019	62.22	29.91	16.88	0.23	0.13	1.02	0.15	0.01	12.36	0.00	0.15	0.34	0.01	0.26	0.01	0.76
Muscatine	255,127	150,282	58.90	29.58	11.73	1.53	0.04	1.28	0.33	-------	10.95	0.02	0.22	0.12	0.00	0.53	0.00	2.57
Scott	269,636	178,456	66.18	30.60	14.46	2.34	0.09	4.36	0.17	0.00	12.56	0.01	0.40	0.10	0.00	0.22	0.02	0.85
For District	3,644,020	2,210,731	60.67	28.81	14.94	0.54	0.08	1.82	0.13	0.01	12.67	0.01	0.16	0.18	0.00	0.87	0.01	0.44
Southwest—																		
Adair	361,955	224,538	62.03	32.94	14.44	0.48	0.01	0.97	0.05	0.03	12.50	0.00	0.09	0.28	0.00	0.22	0.02	0.00
Adams	267,865	151,700	56.63	30.83	12.45	0.62	0.01	0.43	0.02	0.02	11.88	0.00	0.04	0.13	0.00	0.17	0.01	0.02
Cass	352,798	234,597	66.50	37.01	15.30	0.92	0.03	1.43	0.07	0.00	11.36	0.00	0.21	0.04	0.00	0.05	0.02	0.06
Fremont	305,735	219,853	71.91	54.18	6.98	2.67	0.00	0.25	0.14	0.01	6.63	0.00	0.05	0.01	-------	0.01	0.03	0.95
Mills	262,613	180,963	68.91	48.63	10.14	2.07	0.04	0.78	0.08	0.01	6.51	-------	0.19	-------	0.00	-------	0.01	0.45
Montgomery	263,023	181,235	68.90	41.25	13.17	2.59	0.02	0.72	0.05	0.02	10.70	-------	0.07	0.24	0.00	0.00	0.03	0.04
Page	331,479	216,905	65.44	40.08	10.17	3.14	0.00	0.66	0.17	0.01	10.42	0.00	0.14	0.06	0.00	0.02	0.01	0.56
Pottawattamie	564,309	394,541	69.92	47.10	12.87	0.71	0.06	1.06	0.08	0.00	7.28	0.01	0.32	0.01	0.01	0.01	0.05	0.35
Taylor	330,450	191,103	57.83	31.55	11.38	1.11	0.03	0.28	0.09	0.00	12.42	0.00	0.09	0.53	0.00	0.29	0.02	0.04
For District	3,040,227	1,995,435	65.63	40.69	12.05	1.48	0.03	0.77	0.08	0.01	9.85	0.00	0.15	0.14	0.00	0.08	0.02	0.28

South Central—																		
Appanoose	313,813	135,140	43.06	15.40	6.33	0.55	0.01	0.01	0.04	0.01	16.54	-------	0.02	1.04	0.00	3.02	0.00	0.09
Clarke	264,259	135,821	51.40	23.32	10.27	0.32	-------	0.24	0.03	-------	15.71	0.00	0.02	0.28	0.00	1.16	0.02	0.03
Decatur	331,520	150,687	45.45	20.62	5.35	0.42	-------	0.01	0.10	-------	16.82	0.01	0.02	0.57	0.00	1.40	0.00	0.13
Lucas	263,693	127,916	48.51	20.86	8.41	0.42	0.01	0.18	0.09	0.08	16.73	0.01	0.02	0.42	-------	1.24	0.02	0.02
Madison	354,202	183,849	51.91	28.29	10.54	1.65	0.02	1.13	0.04	0.08	9.71	0.00	0.09	0.22	0.00	0.04	0.01	0.09
Marion	343,736	198,773	57.83	30.03	13.37	1.23	0.12	0.44	0.09	0.09	12.07	-------	0.05	0.18	-------	0.09	0.01	0.06
Monroe	262,284	110,375	42.08	19.05	6.28	1.14	0.02	0.20	0.06	-------	14.23	0.00	0.00	0.35	0.00	0.70	-------	0.05
Ringgold	231,172	172,718	52.15	24.89	9.61	0.46	-------	0.02	0.07	0.01	15.98	0.01	0.02	0.32	0.00	0.68	0.02	0.06
Union	261,737	138,421	52.89	26.45	10.89	0.35	0.00	0.55	0.04	-------	13.86	0.00	0.11	0.22	0.00	0.29	0.04	0.09
Warren	348,710	191,781	54.98	28.08	11.69	2.05	0.03	0.57	0.08	0.02	11.86	0.00	0.12	0.19	-------	0.09	0.01	0.19
Wayne	325,102	180,084	55.39	21.91	10.60	0.18	-------	0.02	0.01	0.03	18.07	0.00	0.01	0.74	-------	3.75	0.00	0.07
For District	3,400,228	1,725,515	50.75	23.75	9.49	0.83	0.02	0.32	0.06	0.03	14.58	0.00	0.04	0.41	0.00	1.13	0.01	0.08
Southeast—																		
Davis	310,598	138,044	44.44	16.14	7.47	0.55	0.00	0.00	0.04	0.02	16.14	0.01	0.02	1.34	0.00	2.64	-------	0.07
Des Moines	247,794	136,307	55.01	27.21	12.02	1.59	0.00	0.10	0.10	0.00	11.09	0.11	0.22	1.58	0.00	0.67	0.00	0.32
Henry	264,350	144,192	54.55	27.59	11.54	0.71	0.02	0.09	0.04	0.06	12.80	0.01	0.00	1.32	0.00	0.26	-------	0.11
Jefferson	265,781	143,543	54.01	25.22	11.90	0.95	0.01	0.08	0.08	-------	14.58	0.02	0.04	0.63	0.00	0.46	-------	0.04
Keokuk	356,795	204,289	57.26	29.38	13.36	0.40	0.06	0.28	0.05	0.01	12.71	0.01	0.06	0.41	0.00	0.42	0.01	0.10
Lee	301,012	134,324	44.62	18.59	7.63	1.55	-------	0.01	0.41	-------	13.54	0.06	0.17	0.98	0.01	0.72	0.00	0.95
Louisa	229,849	132,252	57.54	30.51	11.31	3.02	0.01	0.15	0.42	0.01	9.85	0.01	0.12	0.64	0.00	0.77	-------	0.72
Mahaska	351,118	216,355	61.62	32.51	14.64	0.79	0.02	0.27	0.07	0.01	12.77	0.00	0.07	0.25	-------	0.08	0.01	0.13
Van Buren	299,026	121,205	40.53	16.13	7.23	1.01	-------	0.01	0.02	-------	14.09	0.02	0.02	0.58	0.00	1.30	0.01	0.11
Wapello	257,305	129,808	50.45	23.56	8.98	1.87	0.06	0.14	0.11	-------	13.57	0.02	0.10	1.53	0.00	0.19	0.02	0.30
Washington	350,892	205,028	58.43	30.08	13.94	0.45	0.05	0.27	0.03	0.02	12.20	0.01	0.08	0.77	0.00	0.44	-------	0.09
For District	3,234,520	1,705,347	52.72	25.26	11.03	1.09	0.02	0.14	0.12	0.01	13.10	0.02	0.08	0.88	0.00	0.72	0.00	0.25
For State	34,310,513	22,238,505	64.82	33.60	18.21	0.61	0.10	1.55	0.10	0.08	9.53	0.01	0.15	0.24	0.02	0.37	0.03	0.22

*Does not include wild hay.
Note: "0.00" indicates less than 0.01 per cent; blanks (----) indicate none.

TABLE NO. 9

ACREAGE NOT IN CROPS, IN PERCENTAGE OF LAND IN FARMS, 1933

(Based on assessors' reports)

Districts and Counties	Total Acreage in Farms	Land Not in Crops		Pasture	Wild Hay	Timber, Wood Lots	Waste Land	Crop Land Idle	Bldgs., Feed Lots, Public Highways
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Northwest—									
Buena Vista	358,114	85,049	23.75	15.30	0.49	0.11	0.28	2.05	5.52
Cherokee	358,501	99,925	27.87	20.87	1.02	0.21	0.30	0.07	5.40
Clay	352,716	93,482	26.50	18.33	0.86	0.20	0.46	1.14	5.51
Dickinson	234,057	62,400	26.66	18.82	1.39	0.12	0.55	0.61	5.17
Emmet	248,592	58,391	23.49	16.28	0.58	0.35	1.22	0.17	4.89
Lyon	366,215	85,312	23.30	15.74	1.58	0.08	0.11	0.70	5.09
O'Brien	355,582	84,275	23.70	17.08	0.83	0.01	0.07	0.23	5.48
Osceola	250,633	54,564	21.77	14.98	1.14	0.06	0.16	0.18	5.25
Palo Alto	350,256	85,862	24.51	16.19	1.78	0.16	0.53	0.95	4.90
Plymouth	542,643	146,743	27.04	19.63	1.67	0.04	0.15	0.51	5.04
Pocahontas	360,898	69,026	19.13	12.00	0.51	0.15	0.84	0.21	5.42
Sioux	474,561	106,235	22.39	14.90	1.92	0.03	0.11	0.28	5.15
For District	4,252,768	1,031,264	24.25	16.74	1.20	0.12	0.36	0.60	5.23
North Central—									
Butler	356,259	113,233	31.78	23.77	1.62	0.33	0.51	0.22	5.33
Cerro Gordo	348,018	102,258	29.38	21.93	1.11	0.13	0.79	0.12	5.30
Floyd	305,972	87,830	28.71	22.26	0.34	0.25	0.50	0.11	5.25
Franklin	360,769	94,237	26.12	19.72	0.60	0.17	0.28	0.03	5.32
Hancock	357,139	90,293	25.28	17.69	1.08	0.14	0.67	0.29	5.41
Humboldt	267,369	55,158	20.63	13.63	0.53	0.23	0.47	0.14	5.63
Kossuth	604,320	139,049	23.01	15.07	1.40	0.12	0.77	0.36	5.29
Mitchell	287,684	84,866	29.50	22.54	0.36	0.45	0.36	0.45	5.34
Winnebago	250,668	74,410	29.68	18.43	3.12	0.25	1.36	0.47	6.05
Worth	249,088	77,551	31.13	21.51	2.61	0.39	0.76	0.37	5.49
Wright	358,002	80,302	22.43	15.85	0.37	0.25	0.66	0.06	5.24
For District	3,745,288	999,187	26.68	19.02	1.16	0.23	0.64	0.24	5.39
Northeast—									
Allamakee	386,666	229,994	59.48	41.54	0.14	6.66	7.49	0.44	3.21
Black Hawk	342,718	111,774	32.61	24.52	0.90	0.42	1.26	0.43	5.08
Bremer	268,521	100,931	37.59	27.06	3.88	0.86	0.60	0.12	5.07
Buchanan	353,162	123,816	35.06	27.28	1.58	0.35	0.79	0.35	4.71
Chickasaw	305,843	112,729	36.86	28.69	2.18	0.37	0.54	0.11	4.97
Clayton	472,024	228,557	48.42	38.43	0.18	3.99	1.64	0.20	3.98
Delaware	352,124	129,042	36.65	29.06	0.69	0.92	1.31	0.33	4.34
Dubuque	367,505	165,446	45.02	36.94	0.07	2.54	1.85	0.39	3.23
Fayette	447,608	178,814	39.95	31.41	1.19	1.38	0.81	0.40	4.76
Howard	295,384	108,832	36.84	28.58	1.63	0.76	0.63	0.43	4.81
Winneshiek	427,763	188,304	44.02	33.01	0.78	2.26	1.73	1.58	4.66
For District	4,019,318	1,678,239	41.75	32.02	1.08	2.02	1.77	0.46	4.40
West Central—									
Audubon	279,528	92,565	33.11	26.65	0.20	0.14	0.24	0.96	4.92
Calhoun	350,986	65,813	18.75	13.03	0.13	0.02	0.29	0.09	5.19
Carroll	359,468	99,346	27.64	20.37	0.57	0.13	0.59	0.49	5.49
Crawford	446,581	168,679	28.45	19.27	0.44	0.12	0.30	4.34	3.98
Greene	352,502	81,635	23.16	17.40	0.34	0.34	0.34	0.04	4.70
Guthrie	366,415	141,230	38.54	30.68	0.34	0.97	1.25	0.63	4.67
Harrison	422,492	158,530	37.52	22.45	0.55	0.65	3.28	6.21	4.38
Ida	272,626	68,531	25.14	18.28	0.25	0.05	0.28	1.03	5.25
Monona	418,084	135,565	32.43	23.62	0.34	0.26	1.83	2.31	4.07
Sac	356,933	86,223	24.16	17.06	0.36	0.01	0.23	1.23	5.27
Shelby	367,716	113,165	30.78	21.75	0.30	0.25	0.56	2.91	5.01
Woodbury	524,045	144,525	27.58	18.31	0.58	1.17	1.23	1.63	4.66
For District	4,517,376	1,355,807	30.01	21.28	0.40	0.39	0.95	2.11	4.88

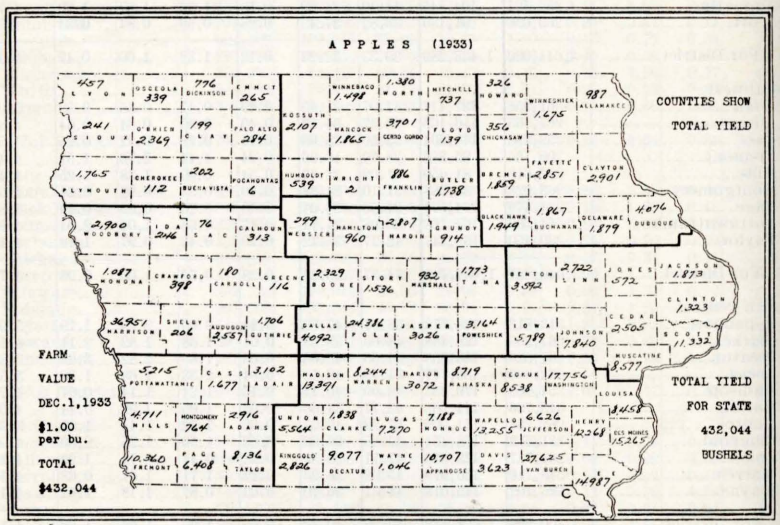
TABLE NO. 9—Continued

Districts and Counties	Total Acreage in Farms	Land Not in Crops		Pasture	Wild Hay	Timber, Wood Lots	Waste Land	Crop Land Idle	Bldgs., Feed Lots, Public Highways
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Central—									
Boone	348,769	96,105	27.56	21.29	0.63	0.23	0.47	0.09	4.85
Dallas	366,464	116,529	31.80	24.94	0.16	0.77	1.04	0.27	4.62
Grundy	315,958	89,253	28.25	22.07	0.60	0.02	0.13	0.00	5.43
Hamilton	359,182	81,012	22.55	16.50	0.30	0.22	0.51	0.11	4.91
Hardin	350,425	97,080	27.70	21.21	0.45	0.27	0.41	0.05	5.31
Jasper	450,018	162,821	36.18	30.36	0.01	0.26	0.52	0.35	4.68
Marshall	352,649	107,697	30.54	24.11	0.03	0.34	0.41	0.21	5.44
Polk	315,560	98,969	31.36	24.29	0.23	0.36	1.02	0.37	5.09
Poweshiek	365,766	131,273	35.89	30.02	0.00	0.64	0.41	0.31	4.51
Story	346,510	77,187	22.28	16.55	0.29	0.04	0.37	0.09	4.94
Tama	446,757	162,882	36.46	28.86	0.07	1.52	0.98	0.24	4.79
Webster	438,710	104,736	23.87	17.49	0.44	0.50	0.55	0.12	4.77
For District	4,456,768	1,325,544	29.74	23.33	0.26	0.46	0.58	0.19	4.92
East Central—									
Benton	443,747	134,352	30.28	24.04	0.13	0.59	0.28	0.21	5.03
Cedar	354,906	128,044	36.08	29.56	0.01	1.07	0.69	0.24	4.51
Clinton	424,025	155,969	36.78	30.31	0.23	0.74	0.66	0.51	4.33
Iowa	360,103	143,248	39.78	30.14	0.10	2.58	2.28	0.31	4.37
Jackson	391,701	209,710	53.54	47.37	0.10	1.38	1.28	0.40	3.01
Johnson	372,289	149,622	40.19	32.91	0.07	1.74	1.24	0.34	3.89
Jones	351,377	157,229	44.75	38.03	0.01	1.62	0.89	0.54	3.66
Linn	421,109	159,090	37.78	30.68	0.24	1.25	0.85	0.34	4.42
Muscatine	255,127	104,845	41.10	31.69	0.13	1.96	1.27	1.90	4.15
Scott	269,636	91,180	33.82	27.43	0.28	0.59	0.84	0.34	4.34
For District	3,644,020	1,433,289	39.33	32.23	0.13	1.32	1.00	0.47	4.18
Southwest—									
Adair	361,955	137,417	37.97	31.40	0.40	0.47	0.36	0.33	5.01
Adams	267,865	116,165	43.37	36.57	0.40	0.30	0.64	0.64	4.82
Cass	352,798	118,201	33.50	28.03	0.11	0.28	0.32	0.25	4.51
Fremont	305,735	85,882	28.09	18.06	0.24	1.14	2.70	1.51	4.44
Mills	262,613	81,650	31.09	22.47	0.54	0.99	1.38	1.25	4.46
Montgomery	263,023	81,788	31.10	24.28	0.10	0.33	0.92	0.54	4.93
Page	331,479	114,574	34.56	28.04	0.10	0.26	0.89	0.40	4.87
Pottawattamie	564,309	169,768	30.08	21.14	0.47	0.56	1.01	2.04	4.86
Taylor	330,450	139,347	42.17	35.12	0.10	0.43	0.97	1.12	4.43
For District	3,040,227	1,044,792	34.37	26.87	0.28	0.52	1.00	0.98	4.72
South Central—									
Appanoose	313,813	178,673	56.94	47.82	0.24	0.90	2.29	1.79	3.90
Clarke	264,259	128,438	48.60	39.09	0.01	1.68	1.52	2.11	4.19
Decatur	331,520	180,833	54.55	43.08	0.03	1.39	2.82	3.38	3.85
Lucas	263,693	135,777	51.49	42.55	0.04	2.33	1.63	1.39	3.55
Madison	354,202	170,353	48.09	40.14	0.16	1.24	1.14	0.67	4.74
Marion	343,736	144,963	42.17	34.66	0.02	1.05	1.99	0.44	4.01
Monroe	262,284	151,909	57.92	49.27	0.02	1.72	1.44	1.89	3.58
Ringgold	331,172	158,454	47.85	38.30	0.03	1.59	1.25	2.60	4.08
Union	261,737	123,316	47.11	39.83	0.23	0.44	0.74	1.20	4.67
Warren	348,710	156,979	45.02	36.26	0.12	1.71	1.67	0.68	4.58
Wayne	325,102	145,018	44.61	36.70	0.03	0.67	1.18	1.91	4.12
For District	3,400,228	1,674,713	49.25	40.46	0.09	1.33	1.62	1.62	4.13

TABLE NO. 9—Continued

Districts and Counties	Total Acreage in Farms	Land Not in Crops		Pasture	Wild Hay	Timber, Wood Lots	Waste Land	Crop Land Idle	Bldgs., Feed Lots, Public Highways
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Southeast—									
Davis	310,598	172,554	55.56	47.26	0.01	1.78	1.84	1.25	3.42
Des Moines	247,794	111,487	44.99	37.34	0.01	1.11	1.56	1.44	3.53
Henry	264,350	120,158	45.45	39.79	0.00	0.60	0.56	0.26	4.24
Jefferson	265,781	122,238	45.99	40.86	----	0.62	0.43	0.46	3.62
Keokuk	356,795	152,506	42.74	35.31	0.01	1.31	1.28	0.46	4.37
Lee	301,012	166,688	55.38	45.72	0.01	2.15	2.07	2.04	3.39
Louisa	229,849	97,597	42.46	32.68	0.04	1.50	1.85	2.93	3.46
Mahaska	351,118	134,763	38.38	32.00	0.04	0.52	1.39	0.34	4.09
Van Buren	299,026	177,821	59.47	52.25	0.00	1.65	1.39	0.96	3.22
Wapello	257,305	127,497	49.55	40.70	0.00	1.57	2.38	1.19	3.71
Washington	350,892	145,864	41.57	34.59	0.00	1.33	1.06	0.40	4.19
For District	3,234,520	1,529,173	47.28	39.77	0.0	1.29	1.43	1.00	3.78
For State	34,310,513	12,072,008	35.18	27.30	0.5	0.83	1.01	0.85	4.66

Note: "0.00" indicates less than 0.01 per cent; blanks (----) indicate none.



U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU AND
BUREAU OF AGRICULTURAL ECONOMICS

In Co-operation with the

Iowa Weather and Crop Bureau

Annual Report for 1934

Reprint of Part XIII of the Thirty-fifth Annual Iowa Year Book of Agriculture

CHARLES D. REED, M. Sc. Agr.

Bulletin No. 70

Published by
IOWA DEPARTMENT OF AGRICULTURE
Ray Murray, Secretary
Des Moines

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Annual Report, 1934

Cooperation continued with the Weather Bureau and the Bureau of Agricultural Economics, both of the United States Department of Agriculture. Parts XIII and XIV of the Year Book were prepared by the Weather and Crop Bureau as usual. Part XIII presents a brief summary of the year's weather and extensive tables and maps of the agricultural statistics of 1934, gathered by assessors under the direction of the Weather and Crop Bureau, which will also be published in a separate pamphlet. Part XIV of the Year Book, summarizing the statistics of the main crops of Iowa for all years of record, is revised and brought up-to-date. Part XIV has been expanded in response to a large demand for the average yield per acre of corn, oats and wheat for each year of record and for each county. The figures will be published in a separate pamphlet for use in answering correspondence. Many letters have been written to tell people that these figures were not available for distribution. Making copies by hand was impossible with our limited office force.

The usual projects in testing corn for moisture, corn phenology, and statistics of hailstorms and tornadoes were carried on, but not so completely as usual. See index. The usual weekly and monthly weather and crop bulletins were prepared and published. Due to the stress through which the agricultural region is passing, demands made for information by telegraph, telephone, letter and personal interview were greater than ever before, but the facilities for taking care of this increased load were so drastically diminished by the large reduction in appropriations made by the legislature that it was impossible to fully comply with the demands of the public.

CLIMATOLOGY OF THE YEAR

The average temperature for the state of Iowa for the year 1934 was 51.5°, which is 3.6° above the 62-year average and 0.7° warmer than in 1933, making it the third warmest of the 62 years of record. All months but September and December were warmer than normal and May, with an average temperature of 69.6°, was the warmest May of record. Days with 100° or higher averaged 21, about twice the greatest number heretofore recorded in any year, running up to as many as 42 at Lenox. A new state-wide high temperature record of 118° was established at Keokuk No. 2, on July 20th. Most stations in the southern and western portions of the state established new monthly and seasonal high temperature records.

Precipitation was deficient for nine consecutive months ending with June. July, September and November were the only months of the year with rainfall above normal. Water shortage was serious in the southern and western portions of the state, not so much because of deficient precipitation, but because of excessive, prolonged heat, scorching sunshine and increased wind movement, which caused greater consumption of water and greater evaporation.

Barometer (reduced to sea level)—The average pressure of the atmosphere for the year was 30.03 inches. The highest pressure was 30.87 inches at Dubuque on February 9th. The lowest pressure was 29.12 inches at Dubuque on November 30th. The range for the state was 1.75 inches.

Temperature—The mean temperature for the state was 51.5°, or 3.6° above normal. The highest annual mean was 56.0° at Keokuk No. 2 in Lee County. The lowest annual mean was 47.4° at Postville (near) in Clayton County. The highest temperature reported was 118° at Keokuk No. 2 in Lee County, on July 20th. The lowest temperature reported was —25° at Stockport (near) in Van Buren County, on February 27th. The range for the state was 143°.

Precipitation—The average amount of rainfall and melted snow for the year was 26.85 inches, or 4.75 inches below normal and 1.91 inches more than the average for 1933. The greatest annual amount at any one station was 37.47 inches at Muscatine in Muscatine County, and

the least annual amount was 16.77 inches at Glenwood in Mills County. The greatest monthly precipitation was 9.88 inches at Olin in Jones County, in July. The least monthly amount was 0.00 (none) at Oakland in Pottawattamie County, in April. The greatest amount in any 24 consecutive hours was 5.78 inches at Akron in Plymouth County, on June 7th-8th. Measurable precipitation occurred on an average of 81 days, seven more than in 1933 and three days less than the normal.

Snowfall—The average amount of snowfall was 27.2 inches. The greatest amount reported from any station was 55.3 inches at Oskaloosa in Mahaska County, and the least amount was 13.3 inches at Maquoketa (near) in Jackson County. The greatest monthly snowfall was 24.0 inches at Oskaloosa in Mahaska County, in November.

Wind—The prevailing direction of the wind was from the northwest. The highest velocity reported was 40 miles per hour from the southwest, at Davenport in Scott County, on May 12th.

Sunshine and Cloudiness—The average number of clear days was 172; partly cloudy, 97; cloudy, 96; as against 176 clear, 97 partly cloudy and 92 cloudy in 1933. The average percentage of the possible amount of sunshine was 62, or 3% more than the normal.

Monthly Summaries

Detailed reports, by months, for more than 100 Iowa stations are published in Climatological Data.

AVERAGE TEMPERATURE DEPARTURE
State of Iowa, Year 1934

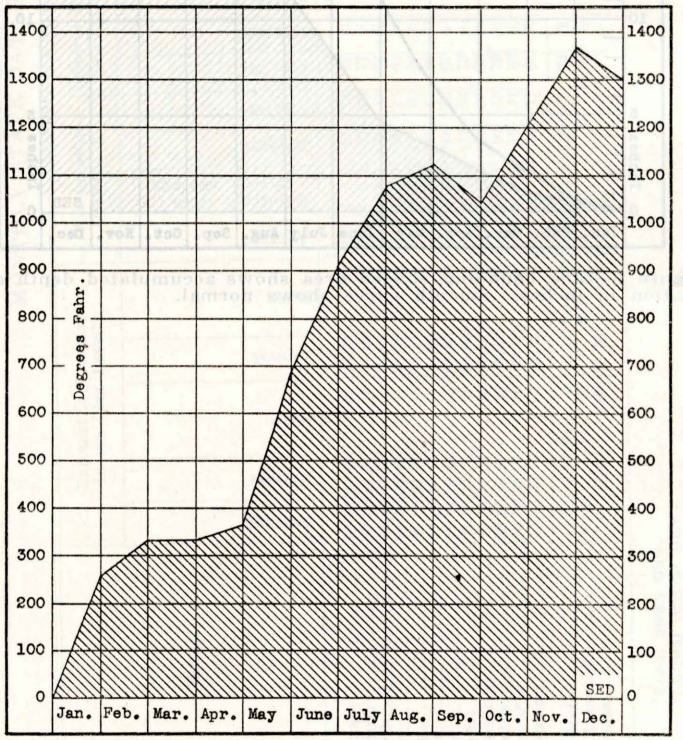


Figure 1--Line bounding shaded area shows accumulated departure from normal. Upward slope means temperature above normal; downward, below.

AVERAGE PRECIPITATION
State of Iowa, Year 1934

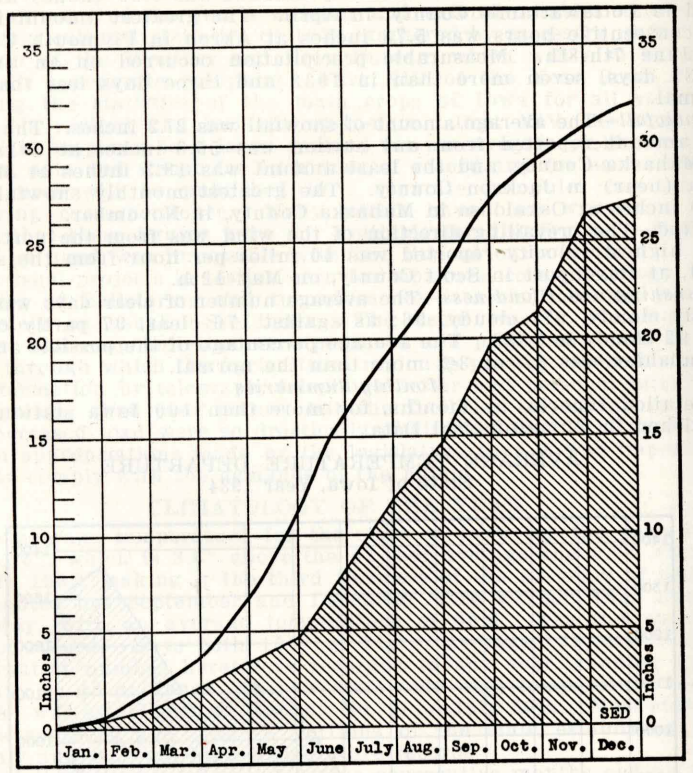


Figure 2—Line bounding shaded area shows accumulated depth of precipitation in inches. Smooth curve shows normal.

MONTHLY STATE DATA FOR 1934

Month	Barometric Pressure Inches (Sea Level)						Temperature Degrees, F.						Relative Humidity, Per Cent				Precipitation, Inches							Average Number of Days			Avg. Sunshine		Wind	
	Average	Highest	Date	Lowest	Date	Highest	Average	Departure from 62-year average	Highest	Date	Lowest	Date	7 a. m.*	12 noon†	7 p. m.*	Departure from normal	Average	Departure from 62-year average	Greatest	Least	Average snowfall	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy	Per cent of possible amount	Departure from normal	Average hourly velocity	Prevailing direction
January	30.13	30.72	31	29.51	29	30.48	26.9	+8.3	67	31	−14	1	82	69	72	−2	0.83	−0.24	2.15	0.19	4.4	5	10	14	14	45	−7	9.2	nw.
February	30.26	30.87	12	29.60	9	30.34	25.0	+2.6	71	28	−25	9	77	55	57	−11	0.47	−0.61	1.05	T.	4.1	3	14	8	6	68	+12	9.8	nw.
March	30.15	30.73	16	29.41	9	30.17	34.4	+0.1	81	29	−13	1	73	52	54	−8	1.09	−0.65	2.41	0.22	6.0	6	12	10	9	59	+1	10.3	nw.
April	29.96	30.48	21	29.46	27	30.25	50.4	+1.7	90	30	12	1	65	40	40	−15	1.07	−1.67	3.47	0.00	T.	4	14	21	7	70	+12	10.8	nw.
May	29.95	30.34	31	29.41	10	30.17	69.6	+9.6	111	30	30	7	56	29	31	−22	1.02	−3.06	3.42	0.09	0	4	21	7	3	85	+22	9.6	sw.
June	29.85	30.17	19	29.40	7	30.25	77.2	+7.6	111	19	43	8	66	41	42	−15	3.49	−1.12	9.13	1.24	0	9	16	11	3	79	+10	8.6	sw.
July	29.91	30.25	13	29.43	31	30.34	79.7	+5.4	118	13	40	1	67	44	45	−12	3.85	+0.12	9.88	0.66	0	10	17	10	4	72	−3	8.3	se.
August	29.98	30.34	1	29.60	28	30.32	73.4	+1.5	116	1	33	28	73	47	49	−9	2.84	−0.72	7.21	0.66	0	9	15	11	5	66	−3	7.6	se.
September	29.98	30.34	19	29.57	30	30.34	61.0	−2.6	94	25	25	30	86	60	67	−2	5.07	+1.96	8.94	2.82	0	12	13	7	10	54	−9	8.4	se.
October	30.05	30.61	20	29.42	27	30.32	56.6	+5.1	92	20	18	27	79	49	57	−4	1.52	−0.86	2.81	0.35	T.	4	21	6	4	73	+14	8.8	sw.
November	30.02	30.54	30	29.12	10	30.32	41.9	+5.6	79	11	11	10	82	65	70	+2	5.03	+3.42	9.10	0.76	7.2	10	12	4	14	46	−4	9.3	nw.
December	30.15	30.73	1	29.42	7	30.32	21.5	−2.4	48	−17	−17	31	85	75	79	+2	0.57	−0.62	2.01	T.	5.5	5	7	7	17	29	−17	9.3	nw.
State	30.03	30.87	Feb. 9	29.12	Nov. 30		51.5	+3.5	118	−25			74	52	55	−8	26.85	−4.75	9.88	T.	27.2	81	172	97	96	62	+3	9.2	nw.
Averages	30.03		Jan. 25		Feb. 28		47.9						80	59	65		31.00				29.4	84	167	98	100	59		8.6	nw.
Records		31.09	1905	28.75	1902				118	−47									19.80	0.00									

†Local mean time.
*Normal central time.
†And other dates.

IOWA CORN MOISTURE STUDY (October, 1934)

Districts	Average date gathered (October)	Total number of samples	Total number of fields from which samples were gathered	Total number of ears used in samples	Average moisture content (Per cent)	Weights used* (Per cent)
Northwest	11	24	161	1,020	21.8	21
North Central	11	24	146	1,199	23.9	15
Northeast	11	22	139	867	25.8	11
West Central	11	18	123	800	19.8	18
Central	11	24	144	1,065	23.1	15
East Central	11	25	149	1,058	25.2	12
Southwest	13	4	25	148	17.5	3
South Central	11	6	44	175	19.4	1
Southeast	12	10	48	238	19.7	4
State	11.1	157	979	6,570	*22.56	100

*State average moisture content weighted according to the percentage of corn husked in each district in 1934, on acreage basis, as reported by assessors.

The 157 samples used in the above summary were obtained from 82 counties; 5 counties, Dubuque, Lee, Mahaska, Poweshiek and Sac, are not represented, due to failure of samplers. Twelve counties, Adair, Adams, Cass, Clarke, Fremont, Marion, Monroe, Montgomery, Page, Union, Wapello and Wayne, reported "no corn to be harvested." The driest sample was 13.9%, from Mills County, closely followed by 14.1% from Harrison County. The wettest sample was from Grundy County, with 33.9%. The average weight per measured bushel was 51.4 pounds.

COMPARATIVE TABLE (October tests)

Districts	1928	1929	1930	1931	1932	1933	1934	7-Yr. Avg.
Northwest	18.7	25.0	23.3	18.6	22.1	18.2	21.8	21.1
North Central	25.0	27.9	23.7	20.6	25.1	20.6	23.9	23.8
Northeast	27.4	29.0	24.1	23.6	27.2	20.9	25.8	25.4
West Central	20.5	26.8	22.9	19.9	23.4	19.0	19.8	21.8
Central	21.1	26.6	22.2	21.4	24.0	19.9	23.1	22.6
East Central	24.5	27.6	23.0	22.9	24.7	21.3	25.2	24.2
Southwest	20.4	31.5	25.2	20.8	22.7	20.5	17.5	22.7
South Central	21.7	31.4	23.8	21.9	24.3	20.6	19.4	23.3
Southeast	22.8	32.1	23.0	21.9	23.8	23.9	19.7	23.9
State (Weighted average)	21.8	28.1	23.4	20.9	23.9	20.2	22.6	23.0

IOWA CORN MOISTURE STUDY (November, 1934)

Districts	Average date gathered (November)	Total number of samples tested	Total number of fields or cribs from which samples were gathered	Total number of ears used in samples	Average moisture content (Per cent)	Weight per measured bushel (Lbs.)
Northwest	21	24	116	993	17.6	55.0
North Central	21	24	125	793	19.7	54.3
Northeast	20	27	148	872	20.7	53.3
West Central	20	17	87	708	17.2	55.5
Central	20	23	116	831	17.9	55.4
East Central	21	28	151	983	19.3	55.5
Southwest	20	4	11	72	16.7	
South Central	21	3	14	50	19.7	54.7
Southeast	19	7	23	110	17.0	55.0
State	20.5	157	791	5,412	*18.40	*54.91

*State averages weighted according to the percentage of corn husked in each district in 1934, on acreage basis, as reported by assessors.

The 157 samples used in the above summary were obtained from 79 counties; 8 counties, Appanoose, Keokuk, Lee, Madison, Mahaska, Poweshiek, Ringgold and Washington, did not get samples in time. Twelve counties, Adair, Adams, Cass, Clarke, Fremont, Marion, Monroe, Montgomery, Page, Union, Wapello and Wayne, reported "no corn to be harvested." The driest sample was from Taylor County, with 13.5%. The average number of fields per sample was 5.04, the average number of ears per sample was 34.47, or 6.84 ears per field, or crib.

COMPARATIVE TABLE (November Tests)

Districts	1928	1929	1930	1931	1932	1933	1934	7-Yr. Avg.
Northwest	18.8	20.4	18.0	17.4	18.7	15.7	17.6	18.1
North Central	22.1	21.0	19.0	18.6	20.7	16.9	19.7	19.7
Northeast	22.8	21.9	19.0	19.8	22.4	17.9	20.7	20.6
West Central	19.0	20.5	17.6	17.4	18.6	15.9	17.2	18.0
Central	19.6	20.5	17.7	18.8	20.4	16.6	17.9	18.8
East Central	21.0	21.8	18.9	19.0	20.4	18.0	19.3	19.8
Southwest	18.6	22.0	17.7	18.6	18.7	16.1	16.7	18.3
South Central	19.2	22.4	17.4	18.5	18.9	16.8	19.7	19.0
Southeast	20.1	22.1	17.9	18.7	19.5	17.8	17.0	19.0
State (Weighted average)	19.8	21.2	18.1	18.4	19.6	16.6	18.4	18.9

FARM STATISTICS FOR THE YEAR ENDING DECEMBER 31, 1934

Collected by Assessors and Tabulated by the Iowa Weather and Crop Bureau, Des Moines, Iowa

Transfer of funds saved from reduced salaries of employees of the Iowa Department of Agriculture made possible the hiring of necessary temporary clerks to check and tabulate assessors' agricultural statistics relative to the crops of 1934. The appropriation made by the Forty-fifth General Assembly was wholly inadequate for the task.

There has never been such a demand for these statistics as during the past year, because of the agricultural adjustment program and the needs of business interests in a state of recovery desiring information to aid them in the purchase of Iowa agricultural products, the location and rehabilitation of factories and marketing facilities and the safe and sane consideration of Iowa farms as an outlet for investment, yet in scores of cases it became necessary for the Iowa Weather and Crop Bureau to inform inquirers that lack of office force prevented a full and complete presentation of the available statistics. Economy of the legislature in connection with the Iowa Weather and Crop Bureau was a very short-sighted policy relative to the future prosperity of Iowa.

By hard efforts on the part of all concerned, it was possible to continue the assessors' statistics on a comparable basis with former years. The total acreage in farms in 1934 was reported by assessors as 34,367,291, which is an increase of 56,778 acres, or a little less than 0.2%. This slight increase has been almost constant for many years. Figures show that there was more subdivision into slightly smaller farms. The total number of farms reported was 215,167, which was an increase of 1,398 farms, and consequently the size of farm was reduced to 159.7 acres as compared with 160.5 acres in 1933, or a reduction of 0.8 acre per farm. This is probably an indication of the city-to-farm movement of the population.

Farm Tenancy Continues Increase

In 1934 the total acres in Iowa farms operated by owners was 14,117,212 and the acres operated by tenants amounted to 20,250,079. Thus the general trend to greater tenancy continues. It now amounts to 58.9% of the total acres in farms, as compared with 52.0% in 1926. The greatest increase in tenancy was in 1927 and in 1932, one being a relatively prosperous and the other a very adverse year in Iowa agriculture.

While most of the counties showed increases in tenancy, 31 counties widely scattered over the state showed decreases. The northwest counties continued to lead in tenancy. Emmet County, with 75.9% tenancy, is at the top of the list. Tenancy amounting to 40% or less prevailed in the Mississippi River counties from Jackson northward and in Lee County, the least amount of tenancy being 34% in Dubuque County.

The Story of Iowa Corn in 1934

Not since the collection of agricultural statistics by assessors began with the crops of 1909, has there been such a variation over the state in the conditions attending the production of crops, particularly corn; and never have the difficulties been so great in compiling satisfactory statistics. Much more than the usual amount of thought, time and clerical assistance has been devoted to devising new methods and practices to meet the unusual circumstances, with a view to making the statistics complete, trustworthy and strictly comparable with other years.

All assessors were provided with a special blank on which they entered the acreage of such corn as was not husked or considered worth husking. For such of this acreage as was cut for fodder or silage or grazed, the assessors, after consultation with the farmer, made a careful estimate for each field, of the total bushels of corn

that the field would have produced if it had been husked. It was rather surprising what a small acreage was reported as producing nothing whatever, not even fodder. According to our methods, such totally failed acreage is thrown over into the classification, "crop land idle." While this figure for the state is large, it is mostly made up of land first planted to small grain and miscellaneous crops, or allowed to lie fallow.

Then the total acres and total estimated bushels of this very poor or nearly failed corn was added to the acres and bushels of that considered worth husking, and the township, county and state averages were obtained by dividing the total bushels by the total acres. This is a refinement not possible with the methods of the Federal Census, taken almost simultaneously, which determined the average yield per acre, only from the acreage that was actually husked.

To begin with, farmers made a drastic reduction in corn acreage, in cooperation with the Federal Government under the Agricultural Adjustment Act (AAA). In our inquiry, we found that 5,591,026 acres were actually husked. This excluded a large acreage in the southern counties that did not produce enough ears to be worth husking and it also excluded a considerable acreage in northeast Iowa where cutting for fodder or silage is the customary prevailing method of harvest and where in 1934 the acreage so harvested probably produced as great a yield of ears per acre as did the acreage actually husked.

From the acreage actually husked, 162,273,445 bushels of ears were obtained, amounting to a yield per acre of 29 bushels. On the other 3,642,214 acres not considered worth husking or which were harvested by other methods, it was estimated that 37,606,127 bushels of ears were produced, for which the average yield per acre was 10.3 bushels. Combining the two sets of figures, there was a total of 9,233,240 acres which produced 199,879,572 bushels, or an average yield per acre of 21.6 bushels. It is interesting to note that the November 1st estimates of 1,563 township crop reporters of the combined Federal-State Crop Reporting Service placed the average yield per acre at 21.5 bushels, all reports of zero yield included. Such close agreement under such difficult circumstances is truly remarkable.

The acreage actually planted to corn in the spring of 1934 will never be accurately known. In addition to the 9,233,240 acres accounted for by assessors, it is known that some that was planted failed to germinate in the dry soil and the land was planted to soy beans, sorghums, Sudan grass and many new emergency crops never before heard of in Iowa. And, as before stated, there was a small acreage from which absolutely nothing was realized, mostly in the south central and southwest counties. The largest reduction in corn acreage over 1933 was naturally in the western and north central counties, where the concentration of corn acreage has heretofore been the greatest. In such large counties as Pottawattamie, Woodbury and Kossuth, the reduction exceeded 50,000 acres per county, while among the standard-sized counties of 16 townships, Pocahontas led with a reduction of 35,000 acres.

The total corn acreage of 9,233,240 in 1934 is back about to the pre-war base and a slight additional reduction might be desirable on account of the loss of the foreign market and the decreased domestic need resulting from inactive industry. The value of the crop of 1934 at the prevailing farm price on December 1st was $159,904,000, or about $32,000,000 less than the average value of the five Iowa corn crops in the years 1912-1916. To the $159,904,000 at which the Iowa corn crop of 1934 is valued, should be added $29,000,000 received by the farmers from the Federal Government under the AAA for land taken out of corn production and "rented" to the Government.

The yield of corn varied from a bumper crop, averaging 43.4 bushels

per acre in Jones County, to a near failure, averaging 0.6 bushel per acre in Madison and 0.8 bushel in Lucas counties. The township having the highest average yield was Lovell township, Jones County, with 55.5 bushels; and scores of townships in the south central and southwest counties had yields averaging less than half a bushel. All of the counties from Clinton to Winneshiek and Allamakee in the northeast portion of the state had yields above the ten-year average, Allamakee leading in that district with 3.4 bushels above its average. However, Pocahontas County had 4.6 bushels above the average and Buena Vista, Humboldt, Emmet and Lyon, also in the northwest portion of the state, had yields above the average. The greatest decline below the ten-year average was in a belt about two counties wide from Fremont, Mills and Pottawattamie to Keokuk counties, where the yield was 35 or more bushels below the average, the greatest deficiency being 38.1 bushels in Madison and Marion counties.

The greatest single factor responsible for the low yield was the unprecedented heat, starting with several 100° days toward the close of May, for the first time in the history of Iowa, and continuing with little or no abatement till past the middle of August. The second important factor was summer precipitation somewhat less than 1933 in the two southern tiers of counties. However, good crops have been raised on the amount of precipitation received in 1934, provided the temperatures were moderate. As it was, the precipitation that fell was quickly evaporated and the demands of plants and animals for moisture were greatly increased by the unprecedented heat. A third factor resulting to a large extent from the other two was the ravages of chinch bugs, which thrived as long as the food supply lasted. A fourth factor that affected the quality as well as the yield was the unusually devastating attack of corn ear worms which enveloped every county in the state, except possibly Dubuque and some territory in adjacent counties and in some areas where no ears were formed. Almost every ear had one or more worms and a perfect ear could scarcely be found. The same acreage of corn as in 1934, yielding the normal ten-year amount of 38 bushels per acre, would produce a total of 351,000,000 bushels and probably would bring less total dollars to the farmers and business men of Iowa than the short 1934 crop is doing.

All records for Iowa corn acreage cut for fodder were broken in 1934, when 2,927,144 acres were thus harvested, which is nearly six times as many acres as were so harvested in 1933, and about three and one-half times as many as in 1930, which has held the record heretofore. Also, the corn cut for silage in 1934 amounted to 473,114 acres, which is an increase of 85% over 1933. Hogged or grazed corn in 1934 amounted to 241,956 acres, or 15% less than in 1933, the decrease resulting, no doubt, from the decreased number of hogs. The tons of fodder per acre averaged much less than usual, but no figures are available.

Oats Nearly a Failure

Iowa's oats crop in 1934 was the smallest in half a century. Early inquiries relative to the intentions of farmers to sow oats showed that they expected to sow about the usual ten-year average amount of 6,108,000 acres and it is believed that this amount or slightly more was actually seeded, but the true amount will never be known. The record-breaking heat and drought of May and the continuing heat of June and early July caused poor germination, slow growth and either absence of heads or heads that were not filled. In many fields the oats never grew tall enough to cut with a mower and these were grazed for the slight amount of forage they afforded. The acreage that remained for harvest was reduced almost to nothing in some southern counties. Decatur County harvested the smallest area, amounting to only 350 acres, compared with 17,774 acres in 1933. Next was Davis County with 724 acres in 1934, as compared with 23,220 acres in 1933. Every county showed a decreased acreage, though the reduction was rather small in the northern counties where weather adversity was less extreme. The greatest reduction was approximately 48,000 acres in Jasper County. Assessors reported 4,616,745 acres harvested for grain and it is probable that about 300,000 acres were cut for hay. The average yield per acre was only 12.6 bushels, which is by far the smallest ever reported in Iowa. The closest approach to this low yield was in 1893 and 1894, when the average was 24 bushels in each year. Chinch bugs contributed their share to the damage in the southern, eastern and central counties. The lowest yield reported was 3.7 bushels per acre, in Madison County, which also had the smallest corn yield. So great was the destruction in the southern counties that emergency measures were taken by the government to secure and distribute seed supplies for the spring of 1935. The largest yield per acre, 23.3 bushels, was in Osceola County, near the northwestern corner of the state. The total number of bushels harvested was 58,499,817, which is the least since the crop of 1880, which totaled 41,288,800 bushels. This total production is approximately one-fourth the average of the preceding ten years and only 41% of the relatively small crop of 1933. For many years oats have filled an important place in the rations of live stock, including poultry. The shortage of oats was felt keenly by animal husbandmen. Nothing can quite take the place of oats in the ration of horses. The lack of oats caused an increase in the sales of tractors to farmers in southern Iowa.

According to our definition, oats that were allowed to mature and were cut and bound in bundles for feeding live stock without being threshed, were classified as oats harvested for grain. In the tame hay classification is an item, "grain cut green," amounting to 322,137 acres. Undoubtedly most of this was oats, though some was barley and there was a little rye and other grains. Where the assessors reported an acreage of oats and no yield and the neighboring farms showed less than five bushels of oats per acre, the acreage was cancelled and thrown into the general classification of crop land lying idle.

Tame Hay Situation Abnormal

Unusual weather adversity caused farmers to adopt unusual measures in an effort to maintain an adequate supply of hay and other forage. Large shifts in hay acreage resulted. The total acreage cut for hay was 3,263,785, as compared with 3,270,905 acres in 1933. On the face of it, this slight decrease of 7,120 acres seems insignificant, amounting to a change of only two-tenths of one per cent, but when the varieties of tame hay are considered separately, the unusualness is made apparent. Of pure stands of red and alsike clover, only 310,128 acres were harvested, which is approximately 40% of the acreage of 1933 and of this very little was cut the second time. Ordinarily the acreage harvested for seed is mostly of the second cutting. Pure stands of timothy amounted to 283,592 acres, which is a decrease of only about 4% as compared with 1933. The acreage cut for timothy seed was 39,192 acres and none of this is duplicated in the 283,592 acres reported for hay. Mixed clover and timothy hay amounted to 828,217 acres, which is about two-thirds of the acreage of 1933. This, together with the pure stands of timothy and clover, amounted to 1,421,937 acres, which continues as the leading tame hay acreage, though nearly equalled by a tremendous increase in miscellaneous crops cut for hay, such as oats and other small grain, millet, Sudan grass and soy beans. The largest single item of these miscellaneous hay crops was soy beans, with a total acreage of 560,357 acres. After all of these unusual efforts to maintain the hay supply, the total tonnage of tame hay amounted to only 3,058,155 tons or about three-fourths of the tonnage of 1933. This deficiency in hay was made up by a large increase in the acreage of corn cut for fodder

and silage. There was also a large increase in the acreage of grain sorghums and other forage crops, the names of which are new in Iowa. These appear in the classification, "other crops," amounting to 182,792 acres, most of which increase is accounted for in these special new crops. Alfalfa continued to forge ahead, in spite of the adversity, to a total crop of 662,513 acres, which is an increase of nearly 9%. The yield per acre of alfalfa was 1.76 tons, which made it by far the best hay crop of all.

In the northern and central portions of the state, much of the failed oats acreage produced a luxuriant crop of foxtail, encouraged by the late summer rains. Much foxtail, ordinarily regarded as a troublesome weed, was cut for hay and became an important item in the hay supply for the first time in the history of the state.

Timothy Seed Least of Record

Timothy seed acreage and total bushels produced were the lowest since records of this crop began in 1909. The total acreage was 39,192, the yield per acre 1.4 bushels, and the total production was 55,469 bushels, which is about one-sixth of the previous lowest crop of record, which was in 1910. Timothy seed production depends to a large extent upon the rainfall of the previous autumn as well as the current springtime and during that period relative to the timothy seed crop of 1934, the rainfall of Iowa was the least in 62 years. Also the withering heat of the springtime was a large factor. The great need for hay and the relatively low price of seed for several years previous were also factors.

Clover Seed Scarce

Conditions attending the production of clover seed were similar to those influencing the production of timothy seed. The total acres, 38,013, of clover harvested for seed, is practically the same as the acreage in 1928 and about three times the acreage of 1917, following the severe winter-killing of the winter of 1916-17. The average yield was only 0.53 bushel per acre, which is the least of record. The total production was 20,217 bushels, which is only 475 bushels more than the lowest crop of record, in 1917.

New seedings of timothy and clover in the spring of 1934 fared very badly, so there was a very large demand for timothy and clover seed for seeding in the spring of 1935.

Phenomenal Increase in Soy Beans

Soy bean acreage in Iowa in 1934 increased 240% over 1933, considering only the acreage sown alone. The total area sown alone was 716,853 acres, which makes it one of the leading cultivated crops in the state, even exceeding alfalfa, which has shown a steady and consistent gain for many years. No other crop has ever shown such rapid increase, except wheat during the war period. Of this acreage, more than 78% was harvested for the hay, due to the great need for forage.

Previous to 1922, the small acreage was mostly harvested for the beans. Then for about seven years the prevailing idea seemed to be that the chief use of soy beans was for planting with other crops, mostly corn, for grazing or ensilage. Beginning with 1930, the acreage sown alone made rapid strides while the acreage sown with other crops diminished greatly, so that in 1934 only about 18,000 acres were thus sown. Also the acreage sown alone has gone through a change from the first thought that such acreage should be harvested mostly for the beans. In 1928, for the first time, the bulk of the acreage sown alone was harvested for hay and this has been true of all the years since then except 1930.

The large increase in acreage of 1934 came about, first, from the need for utilizing acres withdrawn from corn under AAA contracts, and second, from the failure of much corn acreage to germinate in time to mature a crop, and this put in soy beans came in very handy in supplying the dire need for forage, though of course the

production per acre was rather small. Improved facilities for marketing beans were also factors.

Unfortunately, soy beans are not the best crop for soil building and they leave the soil so loose that erosion is increased. These features will probably place limits upon the expansion of this crop. The acreage harvested for beans in 1934 yielded an average of 11.3 bushels per acre, which is among the smaller yields. In the northeast and some southeast counties, the yield per acre ran up to 15 or 17 bushels, the greatest in the northeast being 17.1 bushels in Bremer County and in the southeast 17.6 bushels in Des Moines County.

Flax Seed Decreases

Flax culture, after a considerable revival in recent years, was hard hit by various unfavorable conditions in 1934. The acreage harvested, 15,918, is the least since 1929 and slightly less than the average of the preceding ten years. Nearly double the acreage harvested was seeded in the spring of 1934 but the excessive and prolonged heat caused about half the seeded acreage to fail. On the acreage harvested, the average yield per acre was 5.5 bushels, which is the least since the record low yield of 4.5 bushels in 1911, which was also a hot season. With the coming of wilt resistant varieties, flax has spread into nearly every county in the state and except for two rather unfavorable seasons in succession would have made large gains in acreage. Increased facilities for crushing the flax at Des Moines is a favorable factor. Immunity from chinch bugs should make it a popular addition to the list of diversified crops. With the coming of greater prosperity to Iowa farms and business depending upon these farms, the campaign to catch up with long-deferred painting should create ample demand for linseed oil and, in turn, flax seed.

Two-Year Decrease in Spring Pigs Revealed

As mentioned in the Year Book of 1933, the number of sows bred for spring pigs in 1934 did not truly represent the situation that developed through the corn-hog adjustment program of the AAA, so that the assessors' enumerations as of date of January 1, 1935, probably represent the two-year change rather accurately and the apparent change in the past year must be considered from this standpoint.

The number of sows reported by assessors as bred for farrow in the spring of 1935 was 1,207,137, as compared with 1,682,046 on January 1, 1933, which is a reduction of 474,909, or 28%. The AAA program called for a reduction of only about 20%, so the additional 8% was probably due to the near crop failure in the southern half of the state in 1934. The largest two-year decrease in sows was approximately 12,300 in Crawford County. This county is about one-fourth larger than the standard sized county of 16 townships and there has been a succession of three short crops in that county. This, coupled with the AAA program, accounts for the large reduction. The reduction in Plymouth County amounted to approximately 10,800 sows, in Sioux County 10,000 sows, In Jasper county 11,900 sows, and in Pottawattamie County 10,300 sows. All these counties are larger than the standard sized county. In Shelby County, which is about a standard sized county, the reduction was about 10,400 sows.

Migration of Live Stock

The shortage of feed in the south, west central and central counties caused a remarkable migration of live stock to the region of abundance of feed in the northern and east central counties. Some live stock from the distressed Dakotas was also shipped into northern Iowa. Some of this represented actual sales, but much was on a boarding basis at so much per head, per month, the owner being reluctant to relinquish his supply of live stock for the future. The Government assisted by emergency purchases of live stock and by the distribution of feed to the needy areas, but before the Government could act, there was much sacrifice of live stock, especially shoats which were

dying for want of water as well as food. At towns like Oskaloosa, Knoxville, Indianola and Winterset, there were regular sale days for hogs. Thousands of shoats weighing well up toward 100 pounds sold for as little as 25 cents each. Before the Government entered the field there was considerable exploitation of this situation. In some cases men had spent their active lives in building up choice herds to high states of productiveness and beauty and it was heart-breaking to sacrifice these choice herds.

Reports of the Iowa Weather and Crop Bureau were extensively used in locating the areas of worst need and the areas where greatest relief was possible. The service thus rendered was worth all the service has cost for a generation.

Iowa Returns to Horses

Horses, one year old and under, on Iowa farms January 1, 1935, increased 40% over the preceding year to a total of 47,616.

Horse breeding reached its lowest ebb in Iowa in 1932, as shown by a total of only 25,172 colts on farms on January 1, 1933. Since that time there has been a moderate but steady increase, and large increases in the stallion registration indicates that a much larger number of colts will be found on Iowa farms on January 1, 1936.

There was an increase in colts in every county except Lee and the increases have been pretty evenly distributed over the state. Sioux County has the largest increase, amounting to 348, and also, considering its area, Sioux County had the largest total number of colts, amounting to 734 on January 1, 1935. Because of its large area Kossuth County had the actual largest total of 1,041.

Mule colts also showed a slight increase of 241, or 16%, to a total of 1,794 on January 1, 1935.

Miscellaneous Farm Equipment Increases

In spite of the adversities, perhaps in some cases because of the adversities, certain items of farm equipment showed increases. The total number of tractors on farms on January 1, 1935, was 58,353, which is an increase of 3,889, or about 7%. As might be expected, the largest increases are in some of the central and north central counties where level lands and long corn rows prevail. Hancock County leads with an increase of 172 tractors. Relatively few counties reported decreases. Among those reporting decreases are Plymouth, Monona, Crawford, Polk, Warren, Clarke, Union, Dubuque, Jones and Wapello counties. The largest decrease was 42 in Polk County. The short oats crop in 1934 in the southern and western counties is said to be the cause of an increased purchase of tractors in the spring of 1935. The truth of this statement will of course be tested by later statistics.

Farm owned radio sets amounted to 85,312, which is an increase of 13,845, or 19%. As was the case last year, it is believed that most of this increase is due to rehabilitation of old sets rather than the purchase of new sets. More ready cash on the Iowa farms is the explanation. It seems desirable to repeat that a radio set on a farm is an essential piece of equipment, connecting farmers with markets and the outside world in a truly economic way. A city man generally regards his radio set as entertainment and luxury, but the farmer looks upon his receiving set from another angle.

Farm owned automobiles numbered 195,691 on January 1, 1935, which is an increase of only 584, or about 0.3%. Farm owned auto trucks showed a decrease of about 5%, probably due to the increase of automobile trucking as a business taking care of the farmer's needs.

Hail Damage Was Moderate

Damage to 1934 crops by hail, as reported by assessors, amounted to $2,165,439 as compared with $3,188,099 reported for the crops of 1933. On the face of it this is a decrease of $1,022,660, but the price of crops on December 1, 1934, was considerably higher than on December 1, 1933. The two principal crops subject to hail damage

are corn and oats. The price of corn on December 1, 1934 was 80 cents per bushel as compared with 31 cents a year before, while the price of oats on December 1, 1934, was 51 cents and the year before the price was 26 cents. Most of the hail damage was in the northern part of the state where corn production, and hence the corn at risk of hail damage, was about the same in both years. Also most of the oats that were produced, though a relatively short crop, were in the northern part of the state where most of the hail damage occurred. On this showing it would appear that the actual tonnage of crops destroyed by hail in 1934 is only about one-third to one-half that of 1933.

Hail was reported from 370 townships in 1934 as compared with 434 townships in 1933, or roughly on 15% less area. Another way of looking at it is that about 23% of the total number of townships reported hail damage in 1934 as compared with about 27% in 1933.

The largest county hail damage reported was $465,385 in Plymouth County. The largest damage in any single township was $141,436 in Sherman township, Sioux County. Next to this stands Elgin township, Plymouth County, with $109,420. In sixteen counties no hail damage was reported. The list is as follows: Chickasaw, Clarke, Clinton, Dallas, Ida, Jefferson, Lucas, Mahaska, Mills, Monona, Monroe, Montgomery, Union, Van Buren, Wayne and Winnebago.

Pastures Show Temporary Increase

An increase of 1,910,728 acres in pastures and crops harvested by grazing requires some interpretation. Drought throughout the preceding winter and in the early spring and the abnormal heat of the summer caused permanent pastures to produce very little and all pastures except in the most favored northern portions of the state were greatly overstocked. Corn-hog contracts permitted the planting of acres "rented" to the Government to catch-crops suitable for grazing. Since one of the greatest failures in Iowa in 1934 was pastures and grazing crops, these additional acres of grazing crops came in very handy. The reader is cautioned to not assume that the apparent large increase in pastures is permanent and real. As a matter of fact a large and unknown acreage of old permanent pastures reduced to zero production and some to complete annihilation in 1934 and these could be restored to production only by careful treatment and reseeding. Conditions were so unfavorable for new seedings of grasses and clovers suitable for permanent pastures that a relatively small per cent of the "rented acres" could be made into permanent pastures.

Large Increase in Crop Land Idle

Land which ordinarily produces crops but which for some reason in 1934 did not produce a crop, amounted to the extraordinarily large figure of 2,308,272 acres, which is nearly eight times the amount in 1933 and by far the largest such acreage ever reported in Iowa. This was almost wholly due to weather adversities, mainly excessive and prolonged heat, but to a slight extent to deficient rainfall in the southern two tiers of counties. However, it will bear frequent repeating that good crops have been raised in all portions of Iowa with the amount of rain that was received in the crop season of 1934, when temperatures were moderate. The trouble was not lack of rainfall but excess of temperature. The drought of 1927 was much more prolonged and there was a much greater deficiency of rainfall than in 1934 but no one ever thought of there being a drought, because the temperatures were below normal. Fairly good crops were raised that year, though, of course, considerable corn was caught by frost because its development had been delayed by cool weather. Most of the idle crop land, of course, came from the two principal crops of corn and oats. These two million acres of idle land may be regarded as indicative of Iowa's nearest approach to a total crop failure. This should be compared with Iowa's normal acreage in cultivated crops, running about 22,000,000 acres, and with the total acreage in farms, running normally at about 34,000,000 acres.

GENERAL SUMMARY

Assessors' Crop and Other Farm Statistics for the Year 1934

Total acreage in farms	34,367,291
*Total number of farms	215,167
Average size of farms (acres)	159.7
Number of acres owned by operator (41.1 per cent)	14,117,212
Number of acres rented by operator (58.9 per cent)	20,250,079
Total acreage cultivated crops (Not including wild hay or red clover seed)	18,305,956

ACREAGE, AVERAGE AND TOTAL YIELD OF CROPS

Corn (Total crop for all purposes)	9,233,240	21.6 Bu.	199,879,572
Corn husked or snapped for grain	5,591,026	29.0 "	162,273,445
Corn cut for silage	473,114	6.2 Tons	2,943,964
Corn cut for fodder	2,927,144		
Corn hogged down or grazed off	241,956		
Oats	4,616,745	12.6 Bu.	58,499,817
Winter wheat	273,993	12.1 "	3,304,559
Spring wheat	21,745	7.8 "	169,890
Barley	360,665	12.4 "	4,474,300
Rye, for grain	44,101	7.5 "	329,678
Tame hay, all	3,263,785	0.94 Tons	3,058,155
All clover and timothy hay	1,421,937	0.48 "	682,526
Alfalfa hay	662,513	1.76 "	1,163,205
All other tame hay	1,179,335	1.03 "	1,212,424
Wild hay	172,824	0.73 "	126,031
Flax seed	15,918	5.5 Bu.	87,122
Potatoes	59,486	65.9 "	3,921,084
Buckwheat	10,078	15.8 "	159,593
Soy beans, for beans	156,496	11.3 "	1,767,128
Pop corn	12,418	414 Lbs.	5,144,487
Timothy seed	39,192	1.4 Bu.	55,469
Clover seed (red, alsike, etc.)	38,013	0.53 "	20,217
Sweet clover seed	15,252	3.25 "	49,573
Crops not otherwise enumerated	182,792		

DUPLICATED AND MISCELLANEOUS ACREAGES

Soy beans, sown with other crops	18,000
†Clover hay, alone	310,128
†Timothy hay, alone	283,592
†Mixed clover and timothy hay	828,217
‡Soy bean hay	560,357
‡Grain cut green for hay	322,137
‡Sudan grass hay	89,553
Sweet clover for all purposes	195,876
Land occupied by farm buildings, feed lots and public highways	1,645,610
Waste land in farms	379,838
Farm wood lots, not pastured	277,443
Crop land lying idle	2,308,272
Pastures	11,277,348

MISCELLANEOUS ITEMS

Tractors on farms January 1, 1935	58,353
Automobiles on farms January 1, 1935	195,691
Auto trucks on farms January 1, 1935	19,226
Radio receiving sets on farms January 1, 1935	85,312
Apples harvested in 1934, bushels	227,435
Damage to crops by hail during 1934, dollars	2,165,439
Colts, number of horses under one year old on farms January 1, 1935	47,616
Colts, number of mules under one year old on farms January 1, 1935	1,794

*A "farm" may consist of any tract of land of not less than three acres, used for agricultural purposes, operated by one person with or without the assistance of his family or hired employees. A partnership is considered as one farm.

†Included above in table as part of "All clover and timothy hay."

‡Included above in table as part of "All other tame hay."

COMPARISON OF ASSESSORS' REPORTS

		Reported for 1933	Reported for 1934	Actual Change	Per Cent 1934 Is of 1933
Total acreage in farms		34,310,513	34,367,291	+ 56,778	100.2
Total number of farms		213,769	215,167	+ 1,398	100.7
Average size of farms (acres)		160.5	159.7	— 0.8	99.5
Number of acres owned by operator		14,220,920	14,117,212	— 103,708	99.3
Number of acres rented by operator		20,089,593	20,250,079	+ 160,486	100.8
Total acreage of cultivated crops		22,238,505	18,305,956	— 3,932,549	82.3
Corn, total for all purposes	Acres	11,527,166	9,233,240	— 2,293,926	80.1
Corn husked or snapped for grain	"	10,474,451	5,591,026	— 4,883,425	53.4
Corn cut for silage	"	254,968	473,114	+ 218,146	185.6
Corn cut for fodder	"	513,232	2,927,144	+ 2,413,912	570.3
Corn hogged down or grazed off	"	284,515	241,956	— 42,559	85.0
Oats	"	6,246,645	4,616,745	— 1,629,900	73.9
Winter wheat	"	208,042	273,993	+ 65,951	131.7
Spring wheat	"	34,309	21,795	— 12,514	63.5
Barley	"	532,584	360,665	— 171,919	67.7
Rye, for grain	"	33,448	44,101	+ 10,653	131.8
Tame hay, all	"	3,270,905	3,263,785	— 7,120	99.8
Clover hay, alone	"	779,014	310,128	— 468,886	39.8
Timothy hay, alone	"	295,767	283,592	— 12,175	95.9
Mixed clover and timothy hay	"	1,243,502	828,217	— 415,285	66.6
All clover and timothy hay	"	2,318,283	1,421,937	— 896,346	61.3
Alfalfa hay	"	609,447	662,513	+ 53,066	108.7
All other tame hay	"	343,175	1,179,335	+ 836,160	343.7
Wild hay	"	183,760	172,824	— 10,936	94.0
Flax seed	"	28,292	15,918	— 12,374	56.3
Potatoes	"	52,580	59,486	+ 6,906	113.1
Buckwheat	"	4,360	10,078	+ 5,718	231.1
Soy beans (for beans)	"	82,269	156,496	+ 74,227	190.2
Pop corn	"	6,730	12,418	+ 5,688	184.5
Timothy seed	"	127,051	39,192	— 87,859	30.8
Clover seed (red, alsike, etc.)	"	190,459	38,013	— 152,446	20.0
Sweet clover seed	"	9,389	15,252	+ 5,863	162.4
Crops not otherwise enumerated	"	74,735	182,792	+ 108,057	244.6
Soy beans, sown with other crops	"	28,786	18,000	— 10,786	62.5
Soy bean hay	"	128,586	560,357	+ 431,771	435.8
Grain cut green for hay	"	121,056	322,137	+ 201,081	266.1
Sudan grass hay	"	21,541	89,353	+ 67,812	414.8
Sweet clover (for all purposes)	"	196,348	195,876	— 472	99.8
Buildings, feed lots, highways	"	1,599,676	1,645,610	+ 45,934	102.9
Waste land in farms	"	347,515	379,838	+ 32,323	109.3
Farm wood lots, not pastured	"	283,624	277,443	— 6,181	97.8
Crop land lying idle	"	290,813	2,308,272	+ 2,017,459	793.7
Pastures	"	9,366,620	11,277,348	+ 1,910,728	120.4
PRODUCTION OF PRINCIPAL CROPS					
Corn, total crop	Bus.	500,214,435	199,879,572	—300,334,863	40.0
Corn, husked or snapped for grain	"	455,419,012	162,273,445	—293,145,567	35.6
Corn put up for silage	Tons	2,343,547	2,943,964	+ 600,417	125.6
Oats	"	142,846,538	58,499,817	—84,346,721	41.0
Winter wheat	"	3,792,626	3,304,559	— 488,067	87.1
Spring wheat	"	449,261	169,890	— 279,371	37.8
Barley	"	8,484,164	4,474,300	— 4,009,864	52.7
Rye, for grain	"	434,498	329,678	— 104,820	76.0
Tame hay, all varieties	Tons	4,137,454	3,058,155	— 1,079,299	73.9
All clover and timothy hay	"	2,361,480	682,526	— 1,678,954	28.9
Alfalfa hay	"	1,403,937	1,163,205	— 240,732	82.9
All other tame hay	"	372,037	1,212,424	+ 840,387	325.9
Wild hay	"	160,286	126,031	— 34,255	78.6
Flax seed	Bus.	174,127	87,122	— 87,005	50.0
Potatoes	"	3,611,126	3,921,084	+ 309,958	108.6
Buckwheat	"	57,797	159,593	+ 101,796	276.1
Soy beans	"	1,388,329	1,767,128	+ 378,799	127.3
Pop corn	Lbs.	11,376,356	5,144,487	— 6,231,869	45.2
Timothy seed	Bus.	394,048	55,469	— 338,579	14.1
Clover seed (red, alsike, etc.)	"	142,688	20,217	— 122,471	14.2
Sweet clover seed	"	28,069	49,573	+ 21,504	176.6
Apples	"	432,044	227,435	— 204,609	52.6
MISCELLANEOUS					
Tractors on farms, Jan. 1, 1934 and 1935	No.	54,464	58,353	+ 3,889	107.1
Automobiles on farms, Jan. 1, 1934 and 1935	"	195,107	195,691	+ 584	100.3
Auto trucks on farms, Jan. 1, 1934 and 1935	"	20,177	19,226	— 951	95.3
Radio sets on farms Jan. 1, 1934 and 1935	"	71,467	85,312	+ 13,845	119.4
Colts on farms Jan. 1, 1934 and 1935(Horses)	"	34,039	47,616	+ 13,577	139.9
Colts on farms Jan. 1, 1934 and 1935 (Mules)	"	1,553	1,794	+ 241	115.5
Damage to crops by hail	Dollars	3,188,099	2,165,439	— 1,022,660	67.9

TABLE NO. 1

Total number, average size and total acreage in farms; number of acres owned and rented by operators of farms; total acreage occupied by farm buildings, public highways and feed lots; total acreage in farm wood lots; waste land and crop land lying idle; estimated amount of damage to crops by hail; total number of tractors, automobiles, auto trucks, radio receiving sets and colts under one year of age, on farms; for the year 1934, all by counties.

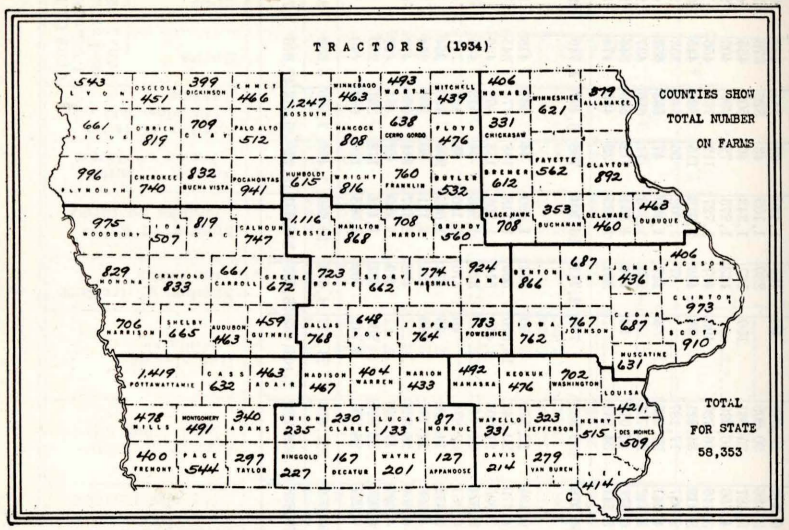
Districts and Counties	Number of farms	Average size of farms (acres)	Total acreage in farms	Tenure of Acreage: Owned by Operator: Acres	Owned by Operator: Per cent	Rented by Operator: Acres	Rented by Operator: Per cent	Acres occupied by Bldgs., feed lots and public highways	Acreage in wood lots used for timber only	Acreage in waste land not utilized for any purpose	Acreage in crop land lying idle	Hail damage (dollars)	Number of tractors on farms	Number of automobiles on farms	Number of auto trucks on farms	Number of radio receiving sets on farms	Colts Under 1 Year Old on Farms, Jan. 1, 1935: Horses	Colts Under 1 Year Old on Farms, Jan. 1, 1935: Mules
Northwest—																		
Buena Vista	2,044	175	357,433	124,503	34.8	232,930	65.2	20,584	153	1,259	24,046	18,099	83	2,071	277	1,014	425	14
Cherokee	1,819	196	356,291	106,190	29.8	250,101	70.2	19,235	648	1,140	21,570	134,673	74	1,890	143	1,012	361	16
Clay	1,829	193	353,300	112,500	31.8	240,800	68.2	19,806	1,041	1,598	17,357	75,314	70	1,795	191	1,002	499	13
Dickinson	1,223	193	235,586	63,534	27.0	172,052	73.0	12,570	299	2,225	11,934	4,195	39	1,149	183	565	391	5
Emmet	1,281	194	248,052	59,838	24.1	188,214	75.9	12,979	632	3,233	14,058	485	46	1,240	187	647	400	4
Lyon	1,853	197	365,809	113,544	31.0	252,265	69.0	19,258	192	689	18,177	24,378	54	2,036	194	944	478	14
O'Brien	1,933	185	356,788	104,632	29.3	252,156	70.7	19,984	14	285	20,491	26,160	81	2,094	219	1,088	431	8
Osceola	1,306	192	250,372	62,531	25.0	187,841	75.0	13,843	169	605	10,321	31,221	45	1,435	137	669	323	17
Palo Alto	1,860	187	347,644	93,894	27.0	253,750	73.0	17,804	765	2,832	25,633	89,388	51	1,754	192	724	456	23
Plymouth	2,887	188	542,100	182,552	33.7	359,548	66.3	28,273	552	1,518	50,303	465,385	99	2,901	313	1,246	580	27
Pocahontas	2,062	174	358,203	106,628	29.8	251,575	70.2	20,371	493	3,354	29,616	55,470	94	1,941	284	974	475	10
Sioux	2,869	164	471,046	151,032	32.1	320,014	67.9	24,347	155	803	31,100	218,294	66	3,062	172	979	734	21
For District	22,966	185	4,242,624	1,281,378	30.2	2,961,246	69.8	229,054	5,113	19,541	274,606	1,143,062	8,06	23,368	2,492	10,864	5,553	172
North Central—																		
Butler	2,261	159	359,726	124,617	34.6	235,109	65.4	19,523	1,154	2,632	11,624	4,032	53	2,187	178	831	694	3
Cerro Gordo	1,990	174	346,091	108,569	31.4	237,522	68.6	19,091	785	4,292	13,583	42,380	63	1,887	216	851	501	3
Floyd	1,839	166	304,783	110,077	36.1	194,706	63.9	15,469	756	1,703	10,314	14,190	47	1,640	107	725	334	6
Franklin	2,130	171	362,258	125,915	34.8	236,343	65.2	19,981	773	1,637	17,107	30,616	76	2,317	196	1,081	539	10
Hancock	1,980	180	357,231	119,995	33.6	237,236	66.4	20,158	414	2,810	10,258	775	80	2,058	227	1,017	558	28
Humboldt	1,493	179	267,211	94,012	35.2	173,199	64.8	15,969	319	1,760	17,439	454	61	1,479	181	741	336	
Kossuth	3,062	198	606,113	188,499	31.1	417,614	68.9	33,302	1,039	5,534	43,445	731	1,24	3,091	431	1,364	1,041	30
Mitchell	1,721	167	288,250	121,689	42.2	166,561	57.8	15,392	1,549	1,224	7,822	9,016	43	1,597	116	677	528	1
Winnebago	1,627	154	251,421	83,006	33.0	168,415	67.0	15,910	622	3,267	9,817		46	1,638	131	688	535	13
Worth	1,495	166	247,628	100,756	40.7	146,872	59.3	14,628	955	1,877	9,331	200	49	1,519	176	543	421	11
Wright	1,996	180	359,131	110,653	30.8	248,478	69.2	19,606	601	3,078	24,618	780	81	1,950	337	1,059	565	13
For District	21,594	174	3,749,843	1,287,788	34.3	2,462,055	65.7	209,029	8,967	29,814	175,358	103,174	7,287	21,363	2,296	9,577	6,052	118

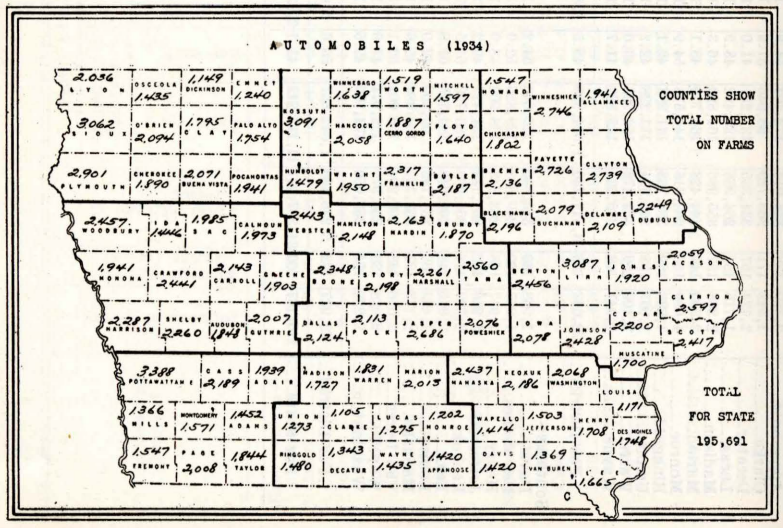
Districts and Counties	Number of farms	Average size of farms (acres)	Total acreage in farms	Tenure of Acreage: Owned by Operator: Acres	Owned by Operator: Per cent	Rented by Operator: Acres	Rented by Operator: Per cent	Acres occupied by Bldgs., feed lots and public highways	Acreage in wood lots used for timber only	Acreage in waste land not utilized for any purpose	Acreage in crop land lying idle	Hail damage (dollars)	Number of tractors on farms	Number of automobiles on farms	Number of auto trucks on farms	Number of radio receiving sets on farms	Colts Under 1 Year Old on Farms, Jan. 1, 1935: Horses	Colts Under 1 Year Old on Farms, Jan. 1, 1935: Mules
Northeast—																		
Allamakee	2,230	175	390,072	242,479	62.2	147,593	37.8	12,777	24,022	21,294	6,564	19,681	37	1,941	178	74	450	9
Black Hawk	2,447	141	345,333	145,784	42.2	199,549	57.8	17,631	1,105	4,257	18,905	117,725	70	2,196	280	1,153	397	3
Bremer	2,060	130	267,740	125,026	46.7	142,714	53.3	14,107	2,273	1,658	4,241	4,647	61	2,136	286	801	419	7
Buchanan	2,365	149	353,148	129,534	36.7	223,614	63.3	16,926	1,805	2,866	13,681	6,206	35	2,079	113	749	602	28
Chickasaw	2,018	151	304,546	130,215	42.8	174,331	57.2	15,699	1,004	2,000	5,481		33	1,802	97	688	582	3
Clayton	3,098	152	470,748	266,014	56.5	204,734	43.5	18,540	15,867	8,273	8,335	2,453	89	2,739	452	1,008	821	8
Delaware	2,220	158	351,425	150,501	42.8	200,924	57.2	15,751	3,617	5,573	6,625	21,695	46	2,109	160	814	519	11
Dubuque	2,348	156	367,291	242,404	66.0	124,887	34.0	12,198	12,950	8,042	5,528	785	46	2,249	295	783	583	20
Fayette	3,138	142	446,717	200,119	44.8	246,598	55.2	21,704	4,915	4,345	12,147	8,683	56	2,726	236	1,071	821	8
Howard	1,738	170	296,266	120,702	40.7	175,564	59.3	14,909	2,031	2,326	11,836	13,539	40	1,547	103	656	508	2
Winneshiek	2,819	153	430,396	237,635	55.2	192,761	44.8	19,785	8,761	8,755	7,414	11,334	62	2,746	238	1,112	806	13
For District	26,481	152	4,023,682	1,990,413	49.5	2,033,269	50.5	180,027	78,350	69,389	100,757	206,748	5,787	24,270	2,438	9,584	6,508	112
West Central—																		
Audubon	1,836	153	280,875	113,559	40.4	167,316	59.6	14,648	1,190	1,313	16,290	10,575	46	1,848	114	792	422	22
Calhoun	2,006	177	354,487	103,692	29.3	250,795	70.7	18,621	60	1,298	27,184	25,523	74	1,973	298	1,089	624	32
Carroll	2,148	166	356,749	149,495	41.9	207,254	58.1	20,138	858	2,100	23,195	60	66	2,143	221	958	508	8
Crawford	2,589	173	448,140	194,328	43.4	253,812	56.6	23,684	931	3,005	37,929	2,445	83	2,441	159	1,012	513	12
Greene	2,081	170	353,404	98,923	28.0	254,481	72.0	17,264	607	1,088	26,351	200	67	1,903	229	921	522	9
Guthrie	2,341	157	367,947	130,546	35.5	237,401	64.5	17,679	1,959	5,291	25,884	17,618	45	2,007	122	743	466	13
Harrison	2,792	152	423,278	155,984	36.9	267,294	63.1	19,364	2,705	13,351	54,406	145	70	2,287	92	887	479	25
Ida	1,452	188	272,439	80,173	29.4	192,266	70.6	14,801	67	900	17,491		50	1,446	68	731	324	10
Monona	2,194	192	421,974	136,458	32.3	285,516	67.7	17,910	2,314	10,638	66,283		82	1,941	189	744	420	5
Sac	1,975	180	356,140	128,476	36.1	227,664	63.9	21,105	30	1,082	17,812	7,754	81	1,985	243	1,100	440	22
Shelby	2,181	170	371,293	153,440	41.3	217,853	58.7	18,507	596	2,071	23,479	163	66	2,260	108	1,094	767	20
Woodbury	3,063	172	526,872	188,712	35.8	338,160	64.2	24,813	6,539	6,525	72,127	167,104	97	2,457	224	1,061	443	44
For District	26,658	170	4,533,598	1,633,786	36.0	2,899,812	64.0	228,534	17,856	48,662	408,431	231,587	8,336	24,691	2,067	11,132	5,928	222
Central—																		
Boone	2,459	141	347,505	122,037	35.1	225,468	64.9	17,882	1,138	2,241	21,229	3,484	72	2,348	313	1,139	456	17
Dallas	2,355	154	363,756	154,397	42.4	209,359	57.6	17,796	1,188	3,612	41,163		76	2,124	317	942	414	3
Grundy	1,791	176	315,072	110,650	35.1	204,422	64.9	17,709	26	357	27,435	165	56	1,870	220	781	394	3
Hamilton	2,218	162	360,316	121,530	33.7	238,786	66.3	18,734	592	3,081	25,932	22,108	86	2,148	261	1,197	478	20
Hardin	2,202	159	349,397	127,385	36.5	222,012	63.5	19,702	479	997	25,602	92,695	70	2,163	177	941	510	23
Jasper	2,939	152	448,257	199,105	44.4	249,152	55.6	21,606	1,263	2,868	37,254	21,180	76	2,686	246	1,184	611	13
Marshall	2,275	155	353,569	131,711	37.3	221,858	62.7	19,441	1,653	1,101	15,304	42,347	77	2,261	295	1,191	514	3
Polk	2,641	123	324,289	132,803	41.0	191,486	59.0	17,434	2,087	4,186	27,456	6,428	64	2,113	431	1,356	287	12
Poweshiek	2,186	168	366,402	136,641	37.3	229,761	62.7	16,107	1,938	1,089	24,035	337	78	2,076	198	904	394	17
Story	2,291	152	348,074	104,378	30.0	243,696	70.0	18,047	199	1,348	30,898	65,211	66	2,198	282	974	510	12
Tama	2,679	168	449,112	205,606	45.8	243,506	54.2	22,153	7,300	5,169	17,102	19,185	92	2,560	402	1,033	559	27
Webster	2,583	171	441,605	144,870	32.8	296,735	67.2	20,939	4,001	3,948	28,542	54,484	1,11	2,413	361	1,198	537	17
For District	28,619	156	4,467,354	1,691,113	37.9	2,776,241	62.1	227,550	21,864	29,997	321,952	327,624	9,298	26,960	3,503	12,840	5,664	167

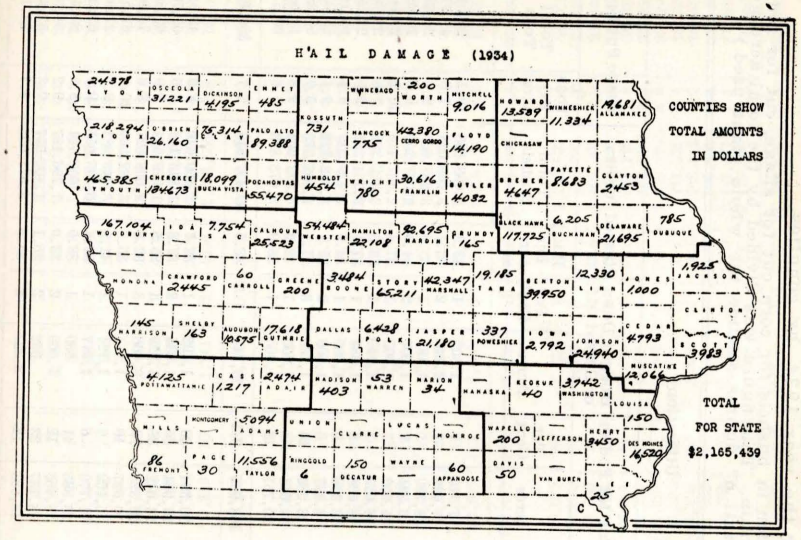
TABLE NO. 1—Continued

Districts and Counties	Number of farms	Average size of farms (acres)	Total acreage in farms	Tenure of Acreage: Owned by Operator: Acres	Owned by Operator: Per cent	Rented by Operator: Acres	Rented by Operator: Per cent	Acres occupied by Bldgs., feed lots and public highways	Acreage in wood lots used for timber only	Acreage in waste land not utilized for any purpose	Acreage in crop land lying idle	Hail damage (dollars)	Number of tractors on farms	Number of automobiles on farms	Number of auto trucks on farms	Number of radio receiving sets on farms	Colts Under 1 Year Old on Farms, Jan. 1, 1935: Horses	Colts Under 1 Year Old on Farms, Jan. 1, 1935: Mules
East Central—																		
Benton	2,550	174	443,005	163,600	36.9	279,405	63.1	22,666	2,401	2,256	24,281	39,950	866	2,456	372	1,233	629	11
Cedar	2,277	154	351,140	163,915	46.7	187,225	53.3	16,365	4,469	2,400	17,312	4,793	687	2,200	150	942	479	11
Clinton	2,810	150	422,961	201,103	47.5	221,858	52.5	18,470	4,292	4,118	15,095		973	2,597	293	1,184	593	6
Iowa	2,175	166	362,030	178,324	49.3	183,706	50.7	15,838	10,828	7,337	13,827	2,792	762	2,078	232	745	520	19
Jackson	2,302	170	390,276	239,529	61.4	150,747	38.6	11,882	4,578	6,305	11,160	1,925	406	2,059	131	695	428	12
Johnson	2,655	140	372,648	202,737	54.4	169,911	45.6	14,299	6,529	5,667	17,460	24,940	767	2,428	312	1,004	424	37
Jones	2,250	156	349,973	181,018	51.7	168,955	48.3	13,303	6,468	2,863	15,533	1,000	436	1,920	177	772	347	15
Linn	3,557	118	419,185	199,644	47.6	219,541	52.4	19,008	5,014	4,504	20,879	12,330	687	3,087	403	1,133	446	10
Muscatine	1,739	147	255,145	105,171	41.2	149,974	58.8	11,005	3,488	4,801	20,589	12,066	631	1,700	254	739	301	4
Scott	2,301	118	271,545	119,995	44.2	151,550	55.8	11,680	1,214	2,005	17,307	3,983	910	2,417	663	1,235	374	2
For District	24,616	148	3,637,908	1,755,036	48.2	1,882,872	51.8	154,516	49,281	42,256	173,443	103,779	7,125	22,942	2,987	9,682	4,541	127
Southwest—																		
Adair	2,167	166	360,205	140,137	38.9	220,068	61.1	18,825	1,453	1,080	27,042	2,474	463	1,939	137	886	599	15
Adams	1,651	163	268,404	128,194	47.7	140,210	52.3	13,260	474	2,008	22,906	5,094	340	1,452	79	901	391	30
Cass	2,220	160	355,257	147,237	41.4	208,020	58.6	17,418	937	1,384	16,635	1,217	632	2,189	167	1,157	501	43
Fremont	1,800	172	309,361	137,862	44.6	171,499	55.4	13,717	3,095	9,302	43,741	86	400	1,547	154	737	236	30
Mills	1,636	162	265,033	108,509	40.9	156,524	59.1	12,555	2,776	5,729	26,895		478	1,366	131	709	245	9
Montgomery	1,621	161	261,765	102,377	39.1	159,388	60.9	12,948	295	2,309	17,154		491	1,571	92	960	352	23
Page	2,206	150	331,096	149,416	45.1	181,680	54.9	16,120	816	3,091	24,102	30	544	2,008	116	969	447	20
Pottawattamie	3,706	152	564,843	226,671	40.1	338,172	59.9	28,288	3,649	6,317	46,758	4,125	1,419	3,388	264	1,635	658	17
Taylor	2,236	149	332,328	139,740	42.0	192,588	58.0	15,805	1,009	2,929	30,527	11,556	297	1,844	53	983	640	40
For District	19,243	158	3,048,292	1,280,143	42.0	1,768,149	58.0	148,936	14,504	34,149	255,760	24,582	5,064	17,304	1,193	8,987	4,069	227

South Central—																		
Appanoose	2,320	135	314,016	172,402	54.9	141,614	45.1	11,754	3,641	6,802	19,033	60	127	1,420	98	347	352	35
Clarke	1,542	171	263,729	98,946	37.5	164,783	62.5	11,050	3,535	3,436	30,209		230	1,105	43	326	376	16
Decatur	2,124	157	334,335	137,231	41.0	197,104	59.0	12,820	4,433	9,487	25,961	150	167	1,343	40	502	455	45
Lucas	1,715	154	264,956	129,492	48.9	135,464	51.1	10,076	5,453	4,756	16,039		133	1,275	72	399	403	25
Madison	2,268	157	355,986	164,820	46.3	191,166	53.7	16,755	3,128	3,446	46,720	403	467	1,727	112	732	456	15
Marion	2,399	144	344,428	165,779	48.1	178,649	51.9	14,258	5,463	8,419	34,821	34	433	2,013	115	634	445	104
Monroe	1,699	155	263,315	144,578	54.9	118,737	45.1	9,642	2,889	2,937	17,187		87	1,202	55	340	353	26
Ringgold	1,982	169	335,768	141,388	42.1	194,380	57.9	13,915	3,581	4,041	37,905	6	227	1,480	47	553	652	43
Union	1,667	158	263,594	111,228	42.2	152,366	57.8	12,633	1,689	2,742	28,755		235	1,273	71	626	437	26
Warren	2,406	146	351,472	153,225	43.6	198,247	56.4	15,751	3,441	6,571	45,018	53	404	1,831	112	555	346	25
Wayne	1,941	168	325,631	135,809	41.7	189,822	58.3	13,712	2,231	3,341	34,241		201	1,435	33	483	474	30
For District	22,063	155	3,417,230	1,554,898	45.5	1,862,332	54.5	142,366	39,484	55,978	335,889	706	2,711	16,104	798	5,497	4,749	390
Southeast—																		
Davis	1,968	160	313,896	170,043	54.2	143,853	45.8	11,116	7,610	6,195	22,579	50	214	1,420	44	261	418	39
Des Moines	1,928	129	249,668	129,855	52.0	119,813	48.0	8,872	3,331	4,470	20,542	16,520	509	1,748	188	774	345	12
Henry	1,917	138	263,843	128,902	48.9	134,941	51.1	11,513	1,112	1,035	21,665	3,450	515	1,708	153	862	426	8
Jefferson	1,916	139	267,134	131,427	49.2	135,707	50.8	9,995	1,676	2,674	24,444		323	1,503	94	513	441	33
Keokuk	2,597	137	356,993	183,799	51.5	173,194	48.5	16,126	3,488	5,367	32,876	40	476	2,186	88	827	741	42
Lee	2,046	148	302,040	184,395	61.0	117,645	39.0	10,043	5,223	5,378	14,392	25	414	1,665	209	636	354	18
Louisa	1,433	162	231,745	99,469	42.9	132,276	57.1	8,314	3,009	4,098	28,187	150	421	1,171	89	508	244	22
Mahaska	2,773	127	352,127	160,884	45.6	191,243	54.4	14,913	2,700	6,661	28,933		492	2,437	184	1,063	472	41
Van Buren	2,016	148	299,294	156,001	52.1	143,293	47.9	9,855	4,772	4,082	17,436		279	1,369	62	431	441	7
Wapello	2,038	126	256,970	122,977	47.9	133,993	52.1	9,853	4,361	6,035	22,821	200	331	1,414	172	391	230	11
Washington	2,295	154	353,050	174,905	49.5	178,145	50.5	14,998	4,742	4,057	28,201	3,742	702	2,068	169	933	440	26
For District	22,927	142	3,246,760	1,642,657	50.6	1,604,103	49.4	125,598	42,024	50,052	262,076	24,177	4,676	18,689	1,452	7,199	4,552	259
For State	215,167	160	34,367,291	14,117,212	41.1	20,250,079	58.9	1,645,610	277,443	379,838	2,308,272	2,165,439	58,353	195,691	19,226	85,312	47,616	1,794


TRACTORS (1934)
COUNTIES SHOW TOTAL NUMBER ON FARMS
TOTAL FOR STATE 58,353


AUTOMOBILES (1934)
COUNTIES SHOW TOTAL NUMBER ON FARMS
TOTAL FOR STATE 195,691


HAIL DAMAGE (1934)
COUNTIES SHOW TOTAL AMOUNTS IN DOLLARS
TOTAL FOR STATE $2,165,439

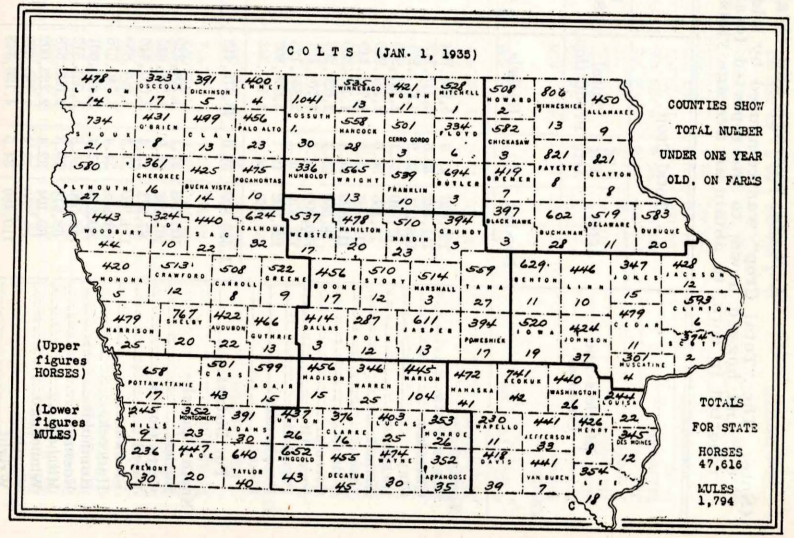

COLTS (JAN. 1, 1935)
COUNTIES SHOW TOTAL NUMBER UNDER ONE YEAR OLD, ON FARMS
(Upper figures HORSES)
(Lower figures MULES)
TOTALS FOR STATE
HORSES 47,616
MULES 1,794

TABLE NO. 2

Acreage, average and total production of corn, for the year 1934, by counties.

(Note: The "Total Crop" was computed by adding an estimated production in bushels for corn cut for silage, cut for fodder and hogged down, to the reported total production husked for grain. This figure was divided by the total acreage reported in corn, to obtain an average yield for all corn. The "Utilization" figures assume the whole plant used.)

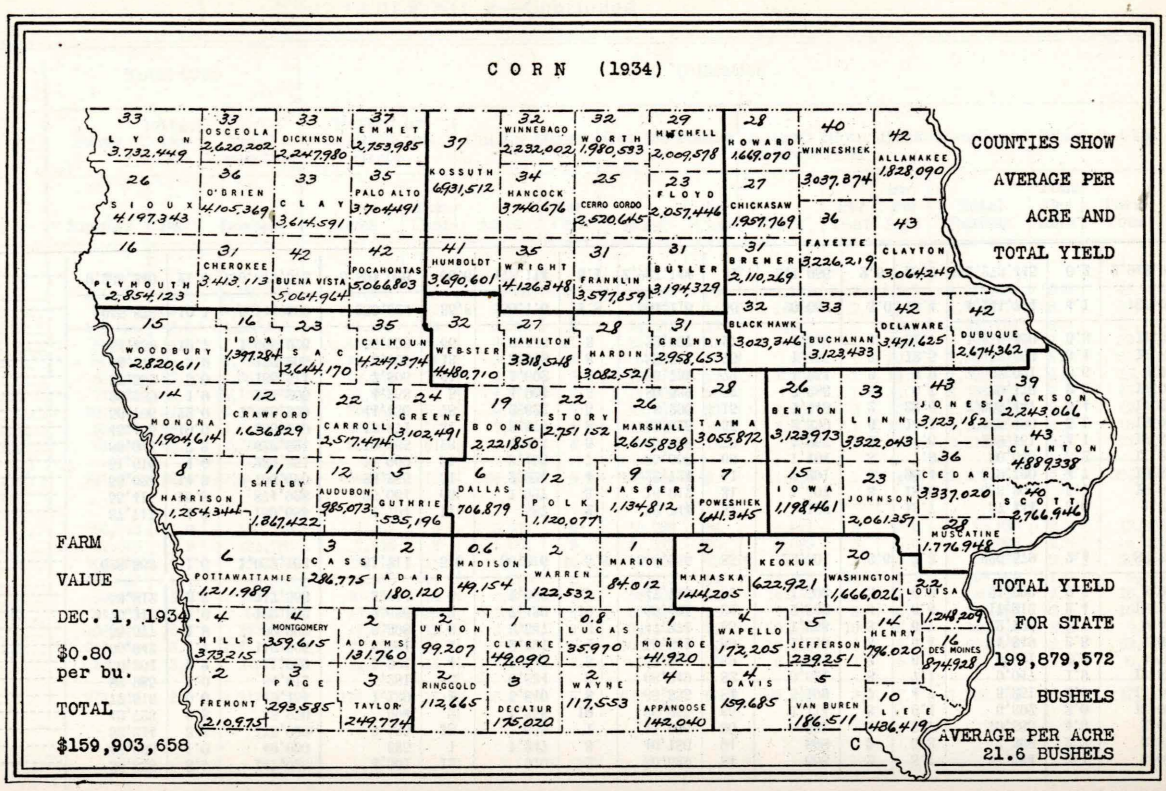
Districts and Counties	Total Crop			Utilization											
	Acres	Avg. Per Acre	Total Production	Husked or Snapped for Grain		Cut for Silage		Cut for Fodder		Hogged Down or Grazed Off		Husked for Grain		Silage Put Up	
	Number	Bu.	Bushels	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Bu. Per Acre	Total Bushels	Tons Per Acre	Total Tons
Northwest—															
Buena Vista	120,636	41.9	5,064,964	108,740	90	2,577	2	7,710	7	1,609	1	43.2	4,698,830	10.1	26,013
Cherokee	111,493	30.6	3,413,113	95,594	86	5,521	5	7,629	7	2,749	2	32.1	3,068,028	7.6	41,775
Clay	108,901	33.2	3,614,591	95,389	88	3,258	3	8,769	8	1,485	1	33.9	3,237,669	8.7	28,396
Dickinson	67,840	33.1	2,247,980	59,088	87	1,421	2	6,324	9	1,007	2	34.0	2,007,260	9.3	13,282
Emmet	75,186	36.6	2,753,985	66,034	88	2,885	4	5,262	7	1,005	1	37.4	2,467,416	10.2	29,562
Lyon	114,754	32.5	3,732,449	102,657	89	2,893	3	8,055	7	1,149	1	33.6	3,452,323	7.8	22,702
O'Brien	112,899	36.4	4,105,369	100,448	89	2,271	2	8,626	8	1,554	1	37.4	3,754,381	9.0	21,584
Osceola	78,550	33.4	2,620,202	70,024	89	1,085	1	6,356	9	1,085	1	34.8	2,439,513	9.4	10,149
Palo Alto	106,909	34.7	3,704,491	96,366	90	2,540	2	6,497	6	1,506	2	35.1	3,382,322	9.4	23,904
Plymouth	177,476	16.1	2,854,123	143,758	81	11,004	6	18,285	10	4,429	3	17.1	2,462,373	5.0	55,287
Pocahontas	120,302	42.1	5,066,803	113,174	94	1,287	1	4,641	4	1,200	1	42.5	4,813,605	9.8	12,563
Sioux	158,863	26.4	4,197,343	127,010	80	9,137	6	20,751	13	1,965	1	28.9	3,673,823	7.6	69,572
For District	1,353,809	32.0	43,375,413	1,178,282	87.0	45,879	3.4	108,905	8.1	20,743	1.5	33.5	39,457,543	7.7	354,789
North Central—															
Butler	102,568	31.1	3,194,329	74,952	73	5,730	6	20,394	20	1,492	1	32.7	2,450,679	8.6	49,129
Cerro Gordo	101,193	24.9	2,520,645	65,214	64	9,190	9	24,954	25	1,835	2	27.8	1,813,148	7.6	69,782
Floyd	87,971	23.4	2,057,446	54,165	62	7,835	9	24,642	28	1,329	1	25.5	1,379,554	8.0	62,887
Franklin	114,969	31.3	3,597,859	82,260	71	8,718	8	20,325	18	3,666	3	32.8	2,698,627	8.6	74,966
Hancock	108,888	34.4	3,740,676	90,369	83	6,078	6	10,527	10	1,914	1	35.2	3,182,960	10.1	61,533
Humboldt	89,214	41.4	3,690,601	79,979	89	3,009	4	5,102	6	1,124	1	41.9	3,349,981	9.3	27,977
Kossuth	188,506	36.8	6,931,512	168,131	89	6,688	4	11,770	6	1,917	1	37.4	6,295,055	9.8	65,262
Mitchell	68,618	29.3	2,009,578	29,027	43	10,507	15	28,385	41	699	1	33.0	958,121	8.1	85,486
Winnebago	69,104	32.4	2,232,002	53,041	77	5,937	9	8,460	12	1,666	2	33.9	1,796,137	9.2	54,913
Worth	61,200	32.4	1,980,533	39,919	65	6,192	10	14,137	23	952	2	35.1	1,402,557	9.3	57,437
Wright	119,480	34.5	4,126,348	100,509	84	2,761	2	13,883	12	2,327	2	35.5	3,571,053	8.7	24,108
For District	1,111,711	32.4	36,081,529	837,566	75.4	72,645	6.5	182,579	16.4	18,921	1.7	34.5	28,897,872	8.7	633,480

Northeast—															
Allamakee	43,638	41.9	1,828,090	36,864	84	5,170	12	1,434	3	170	1	43.1	1,587,498	9.4	48,686
Black Hawk	94,458	32.1	3,023,346	63,993	68	9,008	9	19,895	21	1,562	2	33.8	2,159,997	9.3	84,219
Bremer	68,324	30.8	2,110,269	53,719	79	7,074	10	7,176	10	355	1	34.6	1,857,177	10.1	71,158
Buchanan	93,535	33.4	3,123,433	55,626	60	3,889	4	32,978	35	1,042	1	34.4	1,915,254	9.0	35,132
Chickasaw	72,916	26.8	1,957,769	54,029	74	6,871	9	11,432	16	584	1	29.8	1,608,059	9.2	63,430
Clayton	72,194	42.7	3,064,249	58,548	81	9,050	13	4,069	6	527	-----	43.4	2,539,810	9.6	86,453
Delaware	83,454	41.6	3,471,625	64,061	77	7,292	9	10,656	13	1,445	1	43.0	2,755,429	10.3	75,099
Dubuque	63,872	41.8	2,674,362	50,974	80	4,127	6	8,402	13	369	1	43.6	2,222,202	9.0	37,089
Fayette	92,875	35.8	3,226,219	70,641	76	9,487	10	12,137	13	610	1	38.2	2,697,177	10.6	100,510
Howard	58,707	28.4	1,669,070	36,073	61	6,662	11	15,599	27	373	1	29.8	1,076,808	8.3	55,152
Winneshiek	76,591	39.6	3,037,374	59,233	77	8,698	11	7,519	10	1,141	2	40.6	2,404,656	8.8	76,329
For District	820,564	35.6	29,185,806	603,761	73.6	77,328	9.4	131,297	16.0	8,178	1.0	37.8	22,824,067	9.5	733,257
West Central—															
Audubon	80,762	12.2	985,073	44,486	55	4,737	6	30,624	38	915	1	16.8	745,248	4.0	19,051
Calhoun	120,591	35.2	4,247,374	113,012	94	885	1	6,159	5	535	-----	35.9	4,060,015	9.0	7,949
Carroll	114,178	22.0	2,517,474	91,303	80	2,710	2	19,252	17	913	1	23.9	2,186,009	6.0	16,196
Crawford	132,860	12.3	1,636,829	94,381	71	4,761	4	30,603	23	3,115	2	14.1	1,329,930	4.5	21,536
Greene	127,306	24.4	3,102,491	99,503	78	1,399	1	25,369	20	1,035	1	26.3	2,619,219	6.6	9,226
Guthrie	98,877	5.4	535,196	27,231	28	945	1	68,833	70	1,868	1	12.1	329,676	3.4	3,265
Harrison	156,072	8.0	1,254,344	91,252	59	13,272	8	46,285	30	5,263	3	10.0	913,215	2.8	37,313
Ida	90,026	15.5	1,397,284	66,737	74	3,707	4	17,308	19	2,274	3	18.0	1,198,626	4.9	17,996
Monona	136,788	13.9	1,904,614	103,569	75	2,261	2	28,401	21	2,557	2	16.2	1,676,951	4.4	9,961
Sac	116,648	22.7	2,644,170	88,629	76	3,040	3	23,774	20	1,205	1	25.2	2,232,608	5.1	15,358
Shelby	122,880	11.1	1,367,422	77,299	63	4,574	4	39,067	32	1,940	1	13.7	1,060,491	4.0	18,168
Woodbury	187,921	15.0	2,820,611	136,382	73	14,681	8	32,800	17	4,058	2	16.9	2,308,978	3.9	57,318
For District	1,484,909	16.4	24,412,882	1,033,784	69.7	56,972	3.8	368,475	24.8	25,678	1.7	20.0	20,660,966	4.1	233,337
Central—															
Boone	117,544	18.9	2,221,850	77,481	66	2,613	2	36,019	31	1,431	1	22.3	1,726,557	5.4	14,018
Dallas	118,085	5.9	706,879	30,244	26	6,618	5	78,675	67	2,548	2	12.1	365,735	2.7	17,889
Grundy	94,253	31.4	2,958,653	76,738	82	2,649	3	13,580	14	1,286	1	32.6	2,501,505	8.2	21,639
Hamilton	120,708	27.4	3,318,548	99,396	83	2,397	2	17,325	14	1,590	1	28.5	2,830,839	6.8	16,407
Hardin	111,793	27.5	3,082,521	87,771	78	4,909	4	16,251	15	2,862	3	28.9	2,535,726	7.8	38,252
Jasper	125,869	9.0	1,134,812	35,660	28	7,361	6	81,747	65	1,101	1	15.8	563,853	3.4	25,262
Marshall	102,261	25.6	2,615,838	73,681	72	5,359	5	21,220	21	2,001	2	26.7	1,968,875	6.0	32,266
Polk	95,669	11.7	1,120,077	43,663	46	4,543	5	46,306	48	1,157	1	17.2	751,333	4.4	20,193
Poweshiek	94,454	6.8	641,345	22,100	23	6,470	7	64,876	69	1,008	1	12.1	266,412	3.2	20,895
Story	122,441	22.4	2,751,152	91,355	75	5,411	4	24,633	20	1,042	1	24.0	2,190,022	6.5	34,996
Tama	111,065	27.5	3,055,872	85,342	77	5,112	5	19,184	17	1,427	1	28.6	2,441,471	7.3	37,304
Webster	140,519	31.9	4,480,710	128,014	91	3,336	2	8,354	6	821	1	32.6	4,175,986	7.2	23,909
For District	1,354,661	20.7	28,088,257	851,445	62.9	56,772	4.2	428,170	31.6	18,274	1.3	26.2	22,318,314	5.3	303,030

TABLE NO. 2—Continued

Districts and Counties	Total Crop			Utilization											
	Acres	Avg. Per Acre	Total Production	Husked or Snapped for Grain		Cut for Silage		Cut for Fodder		Hogged Down or Grazed Off		Husked for Grain		Silage Put Up	
	Number	Bu.	Bushels	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Acres	Per Cent	Bu. Per Acre	Total Bushels	Tons Per Acre	Total Tons
East Central—															
Benton	121,097	25.8	3,123,973	93,211	77	6,425	5	19,340	16	2,121	2	27.3	2,545,639	6.6	42,178
Cedar	92,062	36.2	3,337,020	75,307	82	2,305	2	12,855	14	1,595	2	37.3	2,808,776	8.6	19,828
Clinton	113,552	43.0	4,889,338	94,908	83	3,262	3	14,365	13	1,017	1	44.3	4,202,004	9.0	29,405
Iowa	82,372	14.5	1,198,461	46,976	57	8,907	11	25,571	31	918	1	16.8	790,342	4.5	39,351
Jackson	57,942	38.7	2,243,066	48,722	84	3,122	5	5,695	10	403	1	39.9	1,943,143	8.9	27,761
Johnson	88,744	23.2	2,061,357	64,261	72	4,009	5	19,410	22	1,064	1	24.9	1,599,550	6.2	25,050
Jones	71,920	43.4	3,123,182	51,987	72	4,728	7	14,306	20	899	1	44.8	2,328,024	9.7	45,337
Linn	101,944	32.6	3,322,043	70,780	69	6,061	6	23,468	23	1,635	2	33.5	2,369,443	8.2	49,963
Muscatine	63,495	28.0	1,776,948	48,213	76	2,378	4	11,812	19	1,092	1	29.2	1,408,364	6.8	16,147
Scott	68,698	40.3	2,766,946	55,805	81	2,903	4	9,022	13	968	2	41.4	2,312,569	9.8	28,331
For District	861,826	32.3	27,842,334	650,170	75.4	44,100	5.1	155,844	18.1	11,712	1.4	34.3	22,307,854	7.3	323,351
Southwest—															
Adair	95,076	1.9	180,120	4,451	5	5,418	6	80,286	84	4,921	5	6.0	26,838	2.3	12,318
Adams	67,675	1.9	131,760	1,810	3	1,664	2	61,112	90	3,089	5	5.6	10,098	2.6	4,310
Cass	104,594	2.7	286,775	12,718	12	10,049	10	76,422	73	5,405	5	7.3	92,854	2.9	29,345
Fremont	120,648	1.7	210,975	12,588	10	2,795	2	77,013	64	28,252	24	8.7	108,989	1.9	5,385
Mills	99,898	3.9	393,215	25,746	26	3,687	4	56,308	56	14,157	14	7.4	189,735	2.8	10,388
Montgomery	84,495	4.3	359,615	16,677	20	3,627	4	57,021	68	7,170	8	6.5	108,982	2.8	10,037
Page	103,473	2.8	293,585	14,974	15	3,532	3	74,457	72	10,510	10	6.8	102,116	2.8	9,842
Pottawattamie	212,854	5.7	1,211,989	72,869	34	19,246	9	104,325	49	16,414	8	8.7	630,688	3.1	59,114
Taylor	82,611	3.0	249,774	12,050	15	2,408	3	62,579	75	5,574	7	5.7	68,156	2.8	6,720
For District	971,324	3.4	3,317,808	173,883	17.9	52,426	5.3	649,523	66.9	95,492	9.9	7.7	1,338,456	2.8	147,459

South Central—															
Appanoose	36,358	3.9	142,040	4,301	12	910	2	30,539	84	608	2	8.7	37,384	3.4	3,059
Clarke	48,966	1.0	49,090	635	1	1,247	3	46,186	94	898	2	5.3	3,368	2.3	2,863
Decatur	52,214	3.3	175,020	9,135	18	632	1	41,926	80	521	1	8.7	79,583	4.3	2,698
Lucas	42,723	0.8	35,970	994	2	4,358	10	36,257	85	1,114	3	6.4	6,392	3.0	13,000
Madison	77,513	0.6	49,154	1,139	1	5,840	8	65,335	84	5,199	7	4.7	5,351	2.0	11,403
Marion	82,985	1.0	84,012	1,281	2	6,834	8	68,249	82	6,621	8	7.1	9,047	1.9	12,834
Monroe	36,361	1.2	41,920	1,524	4	1,842	5	32,214	89	781	2	6.1	9,331	2.6	4,735
Ringgold	65,942	1.7	112,665	2,764	4	2,491	4	58,841	89	1,846	3	5.4	14,849	2.8	7,080
Union	55,577	1.8	99,207	3,398	6	3,547	6	47,274	85	1,358	3	6.7	22,769	2.7	9,471
Warren	76,112	1.6	122,532	2,626	3	7,429	10	63,695	84	2,362	3	6.6	17,212	2.4	18,100
Wayne	53,812	2.2	117,553	3,414	6	1,086	2	47,719	89	1,593	3	6.2	21,293	2.8	2,994
For District	628,563	1.6	1,029,163	31,211	5.0	36,216	5.8	538,235	85.6	22,901	3.6	7.3	226,579	2.4	88,237
Southeast—															
Davis	37,711	4.2	159,685	4,194	11	587	2	32,744	87	186	------	13.7	57,444	3.0	1,758
Des Moines	55,415	15.8	874,928	35,064	63	1,927	3	16,917	31	1,507	3	18.6	653,300	5.7	10,941
Henry	55,624	14.3	796,020	28,385	51	2,224	4	22,724	41	2,291	4	20.4	579,120	4.7	10,539
Jefferson	51,616	4.6	239,251	11,069	21	3,453	7	35,600	69	1,494	3	7.3	80,640	3.2	11,213
Keokuk	86,943	7.2	622,921	19,865	23	4,213	5	60,898	70	1,967	2	14.6	289,151	4.1	17,333
Lee	43,405	10.0	436,419	13,871	31	3,570	8	23,625	55	2,339	6	14.1	195,480	5.1	18,049
Louisa	56,796	22.0	1,248,209	44,436	78	2,622	5	8,290	15	1,448	2	22.6	1,005,447	5.4	14,211
Mahaska	92,139	1.9	144,205	4,353	5	4,964	5	80,539	87	2,283	3	6.7	29,178	2.8	14,039
Van Buren	37,392	5.0	186,511	7,805	21	1,602	4	26,731	72	1,254	3	7.9	62,021	3.6	5,767
Wapello	44,373	3.9	172,205	5,909	13	3,468	8	33,541	76	1,455	3	12.5	73,693	3.4	11,833
Washington	84,459	19.7	1,666,026	55,973	66	2,146	3	22,507	27	3,833	4	21.7	1,216,320	5.3	11,341
For District	645,873	10.1	6,546,380	230,924	35.8	30,776	4.8	364,116	56.4	20,057	3.0	18.4	4,241,794	4.1	127,024
For State	9,233,240	21.6	199,879,572	5,591,026	60.6	473,114	5.1	2,927,144	31.7	241,956	2.6	29.0	162,273,445	6.2	2,943,964


CORN (1934)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
FARM VALUE DEC. 1, 1934
$0.80 per bu.
TOTAL $159,903,658
TOTAL YIELD FOR STATE 199,879,572 BUSHELS
AVERAGE PER ACRE 21.6 BUSHELS
LYON 3,732,449
OSCEOLA 2,620,202
DICKINSON 2,247,980
EMMET 2,753,985
KOSSUTH 6,931,512
WINNEBAGO 2,232,002
WORTH 1,980,593
MITCHELL 2,009,578
HOWARD 1,668,070
WINNESHIEK 3,037,874
ALLAMAKEE 1,828,090
SIOUX 4,197,343
O'BRIEN 4,105,369
CLAY 3,614,591
PALO ALTO 3,704,491
HANCOCK 3,740,676
CERRO GORDO 2,520,645
FLOYD 2,057,446
CHICKASAW 1,957,769
PLYMOUTH 2,854,123
CHEROKEE 3,443,113
BUENA VISTA 5,064,964
POCAHONTAS 5,066,803
HUMBOLDT 3,690,601
WRIGHT 4,126,248
FRANKLIN 3,597,859
BUTLER 3,194,329
BREMER 2,110,269
FAYETTE 3,226,219
CLAYTON 3,064,249
WOODBURY 2,820,611
IDA 1,397,284
SAC 2,644,170
CALHOUN 4,249,374
WEBSTER 4,480,710
HAMILTON 3,318,548
HARDIN 3,082,521
GRUNDY 2,958,653
BLACK HAWK 3,023,346
BUCHANAN 3,123,433
DELAWARE 3,471,625
DUBUQUE 2,674,362
MONONA 1,904,614
CRAWFORD 1,636,829
CARROLL 2,577,474
GREENE 3,102,491
BOONE 2,221,850
STORY 2,751,152
MARSHALL 2,615,838
TAMA 3,055,872
BENTON 3,123,973
LINN 3,322,043
JONES 3,123,182
JACKSON 2,243,066
CLINTON 4,889,338
HARRISON 1,264,344
SHELBY 1,867,422
AUDUBON 985,073
GUTHRIE 535,196
DALLAS 706,879
POLK 1,120,077
JASPER 1,134,812
POWESHIEK 1,411,345
IOWA 1,198,461
JOHNSON 2,061,351
CEDAR 3,337,020
SCOTT 2,766,946
MUSCATINE 1,776,948
POTTAWATTAMIE 1,211,989
CASS 286,775
ADAIR 180,120
MADISON 49,154
WARREN 122,532
MARION 84,012
MAHASKA 1,144,205
KEOKUK 622,921
WASHINGTON 1,666,026
LOUISA 1,248,209
MILLS 373,215
MONTGOMERY 359,615
ADAMS 131,760
UNION 99,207
CLARKE 149,090
LUCAS 35,970
MONROE 41,920
WAPELLO 172,205
JEFFERSON 239,251
HENRY 796,020
DES MOINES 874,928
FREMONT 210,975
PAGE 293,585
TAYLOR 249,774
RINGGOLD 112,665
DECATUR 175,020
WAYNE 117,553
APPANOOSE 142,040
DAVIS 159,685
VAN BUREN 186,511
LEE 436,419

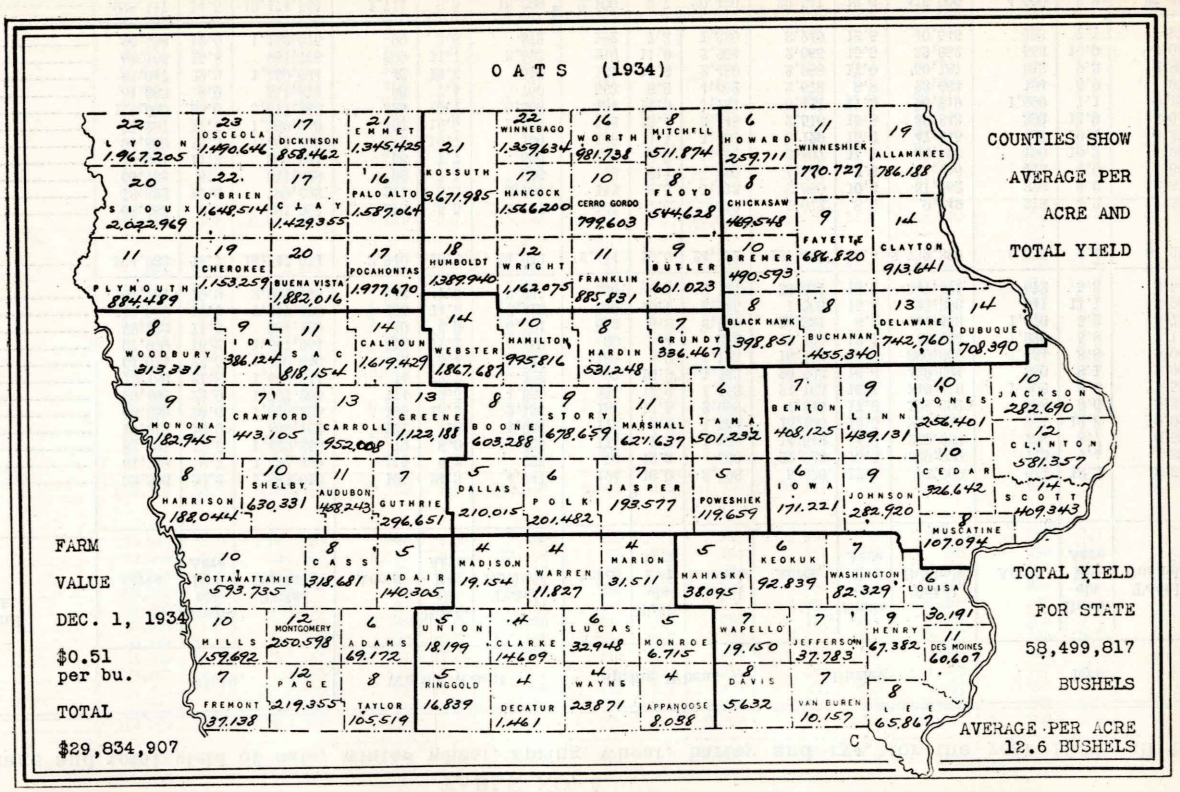

OATS (1934)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
FARM VALUE DEC. 1, 1934
$0.51 per bu.
TOTAL $29,834,907
TOTAL YIELD FOR STATE 58,499,817 BUSHELS
AVERAGE PER ACRE 12.6 BUSHELS
LYON 1,967,205
OSCEOLA 1,490,646
DICKINSON 858,462
EMMET 1,345,425
KOSSUTH 3,671,985
WINNEBAGO 1,359,634
WORTH 981,738
MITCHELL 511,874
HOWARD 259,711
WINNESHIEK 770,727
ALLAMAKEE 786,188
SIOUX 2,072,969
O'BRIEN 1,648,514
CLAY 1,429,355
PALO ALTO 1,587,064
HANCOCK 1,566,200
CERRO GORDO 799,603
FLOYD 544,628
CHICKASAW 489,548
PLYMOUTH 884,489
CHEROKEE 1,153,259
BUENA VISTA 1,882,016
POCAHONTAS 1,977,470
HUMBOLDT 1,389,940
WRIGHT 1,162,075
FRANKLIN 885,831
BUTLER 601,023
BREMER 490,593
FAYETTE 686,820
CLAYTON 913,641
WOODBURY 313,331
IDA 386,124
SAC 818,154
CALHOUN 1,619,429
WEBSTER 1,867,687
HAMILTON 995,816
HARDIN 531,248
GRUNDY 386,467
BLACK HAWK 398,851
BUCHANAN 455,340
DELAWARE 742,760
DUBUQUE 708,390
MONONA 182,945
CRAWFORD 413,105
CARROLL 952,008
GREENE 1,122,188
BOONE 603,288
STORY 678,659
MARSHALL 621,637
TAMA 501,232
BENTON 408,125
LINN 439,131
JONES 256,401
JACKSON 282,690
CLINTON 581,357
HARRISON 188,044
SHELBY 630,331
AUDUBON 468,243
GUTHRIE 296,651
DALLAS 210,015
POLK 201,482
JASPER 193,577
POWESHIEK 119,659
IOWA 171,221
JOHNSON 282,920
CEDAR 326,642
SCOTT 409,343
MUSCATINE 107,094
POTTAWATTAMIE 593,735
CASS 318,681
ADAIR 140,305
MADISON 19,154
WARREN 11,827
MARION 31,511
MAHASKA 38,095
KEOKUK 92,839
WASHINGTON 82,329
LOUISA 30,191
MILLS 59,682
MONTGOMERY 250,598
ADAMS 69,172
UNION 18,199
CLARKE 14,609
LUCAS 32,948
MONROE 6,715
WAPELLO 19,150
JEFFERSON 37,783
HENRY 67,382
DES MOINES 60,607
FREMONT 37,138
PAGE 219,355
TAYLOR 165,519
RINGGOLD 16,839
DECATUR 1,146
WAYNE 23,871
APPANOOSE 8,088
DAVIS 5,632
VAN BUREN 10,157
LEE 65,867

TABLE NO. 3

Acreage, average and total yield of oats, winter wheat, spring wheat, barley and rye, for the year 1934, all by counties.

Districts and Counties	Oats			Winter Wheat			Spring Wheat			Barley			Rye		
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels
Northwest—															
Buena Vista	93,306	20.2	1,882,016	195	24.3	4,741	194	16.0	3,108	5,620	17.4	98,069	644	13.3	8,540
Cherokee	61,748	18.7	1,153,259	115	6.3	725	70	12.3	860	21,325	15.5	329,999	113	7.4	836
Clay	83,195	17.2	1,429,355	79	8.0	635	171	7.3	1,250	14,542	14.3	207,830	758	8.7	6,592
Dickinson	50,912	16.9	858,462	131	7.8	1,026	173	9.0	1,564	15,195	14.5	220,346	861	12.8	10,990
Emmet	65,350	20.6	1,345,425	140	15.2	2,136	154	13.5	2,080	7,343	17.2	126,392	558	9.6	5,353
Lyon	89,408	22.0	1,967,205	174	9.5	1,655	334	13.6	4,553	21,163	16.1	340,019	1,202	9.6	11,581
O'Brien	75,486	21.8	1,648,514	14	13.7	192	97	16.9	1,183	26,526	16.6	439,044	360	8.1	2,906
Osceola	64,014	23.3	1,490,646	82	5.4	447	150	8.0	1,195	16,186	18.9	306,600	1,034	8.8	9,063
Palo Alto	97,999	16.2	1,587,064	572	11.2	6,406	39	6.4	248	3,700	13.1	48,653	1,226	5.8	7,113
Plymouth	78,332	11.3	884,489	949	6.9	6,591	612	6.2	3,779	29,331	8.3	244,483	1,670	5.2	8,737
Pocahontas	113,399	17.4	1,977,670	406	14.3	5,823	200	10.7	2,145	1,505	15.5	23,393	541	11.1	5,980
Sioux	101,784	19.9	2,022,969	483	7.5	3,635	220	9.8	2,157	25,051	13.9	347,571	672	5.3	3,540
For District	974,933	18.7	18,247,074	3,340	10.2	34,012	2,414	10.0	24,122	187,487	14.6	2,732,399	9,639	8.4	81,231
North Central—															
Butler	68,683	8.8	601,023	216	5.5	1,197	126	7.2	910	1,072	8.6	9,249	378	4.2	1,592
Cerro Gordo	78,322	10.2	799,603	271	8.5	2,298	113	9.8	1,113	2,980	10.6	31,462	326	8.6	2,810
Floyd	66,738	8.2	544,628	98	7.1	696	98	6.4	625	1,546	7.6	11,716	413	4.0	1,662
Franklin	78,601	11.3	885,831	86	7.7	660	180	8.3	1,493	2,897	11.1	32,123	190	10.3	1,961
Hancock	94,880	16.5	1,566,200	9	16.7	150	125	11.1	1,391	3,129	15.2	47,645	627	10.1	6,358
Humboldt	78,297	17.7	1,389,940	167	15.5	2,583	182	13.4	2,448	2,516	15.8	39,843	392	12.9	5,049
Kossuth	178,503	20.6	3,671,985	328	10.7	3,508	134	12.9	1,731	5,421	17.9	96,819	1,000	7.1	7,121
Mitchell	64,383	8.0	511,874	96	7.4	706	563	8.2	4,602	2,678	8.8	23,664	194	5.0	974
Winnebago	61,047	22.3	1,359,634	42	12.3	516	187	13.3	2,489	2,988	17.0	50,787	313	9.3	2,896
Worth	62,105	15.8	981,738	299	11.7	3,523	210	11.0	2,304	2,065	15.5	32,052	553	10.9	6,044
Wright	96,558	12.0	1,162,075	99	3.8	372	182	7.3	1,330	3,249	12.5	40,546	123	7.1	878
For District	928,117	14.5	13,474,531	1,711	9.5	16,209	2,100	9.7	20,436	30,541	13.6	415,906	4,509	8.3	37,345

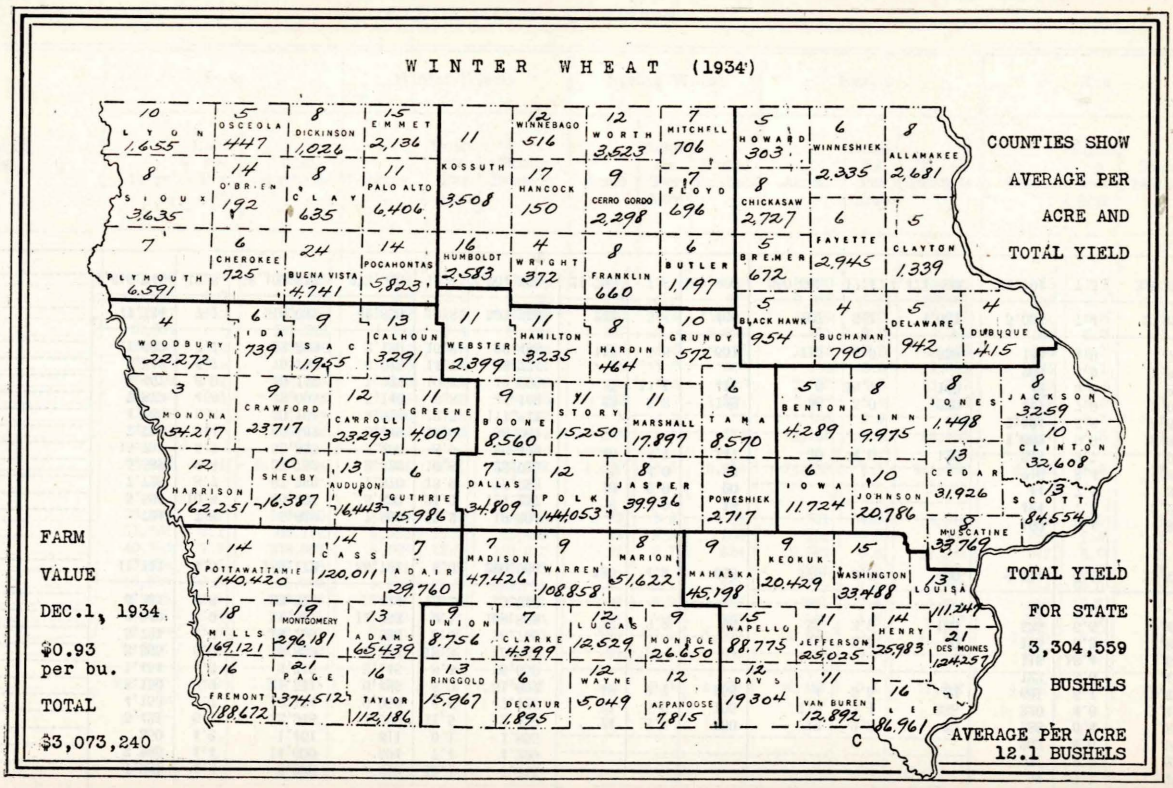
Northeast—															
Allamakee	41,800	18.8	786,188	351	7.6	2,681	645	12.5	8,041	7,136	16.4	117,239	304	8.4	2,563
Black Hawk	48,924	8.2	398,851	200	4.8	954	221	4.9	1,093	1,586	7.4	11,733	572	2.6	1,470
Bremer	49,074	10.0	490,593	135	5.0	672	90	9.6	863	347	8.3	2,867	137	7.7	1,052
Buchanan	54,673	8.3	455,340	193	4.1	790	96	4.1	389	237	9.3	2,204	330	4.4	1,459
Chickasaw	56,027	8.4	469,548	349	7.8	2,727	222	6.4	1,425	884	7.3	6,492	228	6.4	1,456
Clayton	66,144	13.8	913,641	277	4.8	1,339	531	8.1	4,299	5,659	14.0	79,241	651	5.7	3,684
Delaware	59,476	12.5	742,760	193	4.9	942	283	10.4	2,955	1,608	11.1	17,810	663	4.8	3,170
Dubuque	51,450	13.8	708,390	100	4.2	415	641	8.4	5,392	2,102	9.8	20,618	107	7.0	752
Fayette	72,826	9.4	686,820	484	6.1	2,945	366	9.2	3,367	1,964	10.3	20,154	443	6.1	2,708
Howard	46,185	5.6	259,711	63	4.8	303	243	5.7	1,399	1,577	5.1	8,046	188	4.7	890
Winneshiek	69,863	11.0	770,727	392	6.0	2,335	630	8.6	5,387	8,276	9.9	81,742	371	9.7	3,583
For District	616,442	10.8	6,682,569	2,737	5.9	16,103	3,968	8.7	34,610	31,376	11.7	368,146	3,994	5.7	22,787
West Central—															
Audubon	43,621	10.5	458,243	1,259	13.0	16,443	74	7.1	525	3,676	10.8	39,827	296	10.8	3,207
Calhoun	116,156	13.9	1,619,429	262	12.6	3,291	57	12.2	697	1,039	12.6	13,121	334	11.9	3,978
Carroll	74,235	12.8	952,008	1,988	11.7	23,293	548	8.9	4,870	5,566	12.9	71,939	352	8.3	2,926
Crawford	57,836	7.1	413,105	2,795	8.5	23,717	995	4.6	4,603	6,601	7.2	47,852	640	7.8	5,017
Greene	87,316	12.9	1,122,188	369	10.8	4,007	120	9.5	1,142	830	10.1	8,393	305	9.1	2,774
Guthrie	40,564	7.3	296,651	2,639	6.1	15,986	165	4.3	705	1,705	6.9	11,732	266	6.3	1,683
Harrison	23,763	7.9	188,044	13,883	11.7	162,251	3,480	9.6	33,304	1,357	8.7	11,830	640	6.5	4,187
Ida	43,538	8.9	386,124	126	5.9	739	34	7.7	261	9,392	9.3	87,050	218	4.7	1,023
Monona	20,236	9.0	182,945	16,255	3.3	54,217	2,104	3.2	6,667	3,173	8.8	27,821	726	8.6	6,210
Sac	72,311	11.3	818,154	223	8.8	1,955	110	9.8	1,079	10,241	10.8	111,066	245	10.6	2,614
Shelby	62,683	10.1	630,331	1,577	10.4	16,387	468	6.0	2,814	4,819	11.2	54,128	377	8.7	3,276
Woodbury	38,248	8.2	313,331	6,349	3.5	22,272	307	3.4	1,051	5,762	8.0	46,184	1,498	3.0	4,474
For District	680,507	10.8	7,380,553	47,725	7.2	344,558	8,462	6.8	57,718	54,161	9.8	530,943	5,897	7.0	41,369
Central—															
Boone	75,047	8.0	603,288	940	9.1	8,560	275	10.1	2,791	1,244	7.9	9,811	242	7.1	1,727
Dallas	41,509	5.1	210,015	5,188	6.7	34,809	58	3.2	184	137	3.6	492	298	5.2	1,535
Grundy	49,383	6.8	336,467	58	10.0	572	83	9.7	809	2,665	7.3	19,333	51	12.2	622
Hamilton	100,303	9.9	995,816	307	10.5	3,235	283	8.3	2,340	1,403	9.4	13,136	335	10.6	3,550
Hardin	67,390	7.9	531,248	57	8.1	464	166	6.4	1,070	1,918	8.7	16,699	243	7.1	1,722
Jasper	27,835	7.0	193,577	5,282	7.6	39,936	127	5.0	630	187	5.8	1,092	338	5.7	1,925
Marshall	55,737	11.2	621,637	1,652	10.8	17,897	254	9.7	2,462	3,718	7.7	28,797	265	6.9	1,834
Polk	31,640	6.4	201,482	12,141	11.9	144,053	140	2.4	340	253	4.3	1,088	654	7.6	4,952
Poweshiek	24,662	4.9	119,659	833	3.3	2,717	64	3.4	215	355	3.7	1,302	177	3.7	658
Story	77,335	8.8	678,659	1,361	11.2	15,250	127	3.7	475	864	8.8	7,601	484	8.6	4,181
Tama	58,758	5.7	501,232	1,459	5.9	8,570	407	4.1	1,658	7,221	7.5	54,096	242	5.7	1,388
Webster	134,525	13.8	1,867,687	225	10.7	2,399	293	9.9	2,902	1,692	12.2	20,672	263	9.9	2,593
For District	744,124	9.2	6,860,767	29,503	9.4	278,462	2,277	7.0	15,876	21,657	8.0	174,119	3,592	7.4	26,687

TABLE NO. 3—Continued

Districts and Counties	Oats			Winter Wheat			Spring Wheat			Barley			Rye		
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels
East Central—															
Benton	60,100	6.8	408,125	955	4.5	4,289	208	4.6	958	6,920	5.1	35,132	345	7.3	2,527
Cedar	33,541	9.7	326,642	2,396	13.3	31,926	124	6.2	772	2,958	6.9	20,301	206	6.0	1,228
Clinton	47,527	12.2	581,357	3,168	10.3	32,608	220	6.4	1,417	4,299	9.7	41,722	541	6.8	3,696
Iowa	28,501	6.0	171,221	1,837	6.4	11,724	187	10.8	2,026	671	2.9	1,949	160	6.9	1,111
Jackson	28,638	9.9	282,690	411	7.9	3,259	402	5.3	2,113	1,324	7.2	9,550	550	4.1	2,276
Johnson	33,111	8.5	282,920	2,005	10.4	20,786	81	11.7	946	301	5.5	1,662	385	6.1	2,332
Jones	25,330	10.1	256,401	185	8.1	1,498	95	4.4	419	2,529	8.6	21,707	125	6.3	786
Linn	48,286	9.1	439,131	1,208	8.2	9,975	253	5.1	1,301	1,392	6.4	8,915	321	3.4	1,077
Muscatine	12,682	8.4	107,094	4,340	7.8	33,769	3	2.3	7	106	3.9	414	1,031	3.7	3,808
Scott	28,929	14.1	409,343	6,689	12.6	84,554	107	9.1	975	4,130	7.9	32,656	541	6.5	3,513
For District	346,645	9.4	3,264,924	23,194	10.1	234,388	1,680	6.5	10,934	24,630	7.1	174,008	4,205	5.3	22,354
Southwest—															
Adair	26,954	5.1	140,305	4,010	7.4	29,760	31	2.9	91	761	4.5	3,416	214	6.0	1,288
Adams	11,394	6.1	69,172	4,922	13.3	65,439	29	8.8	255	101	4.5	456	380	7.4	2,819
Cass	40,283	7.9	318,681	8,698	13.8	120,011	92	6.7	614	2,583	6.6	17,042	542	6.0	3,279
Fremont	5,628	6.6	37,138	11,654	16.2	188,672	------	------	------	231	3.3	765	519	6.9	3,579
Mills	16,000	10.0	159,692	9,508	17.8	169,121	43	5.1	221	725	7.3	5,262	354	10.0	3,554
Montgomery	21,695	11.6	250,598	15,306	19.4	296,181	92	6.9	632	861	7.4	6,384	460	10.2	4,713
Page	18,557	11.8	219,355	18,202	20.6	374,512	23	5.2	120	523	4.6	2,417	727	15.9	11,552
Pottawattamie	59,746	9.9	593,735	9,863	14.2	140,420	184	9.6	1,777	4,594	9.0	41,172	1,079	9.6	10,385
Taylor	12,875	8.2	105,519	6,973	16.1	112,186	38	14.7	560	48	3.7	178	322	10.3	3,330
For District	213,132	8.9	1,894,195	89,136	16.8	1,496,302	532	8.0	4,270	10,427	7.4	77,092	4,597	9.7	44,499

South Central—															
Appanoose	1,921	4.2	8,038	648	12.1	7,815	------	------	------	------	------	------	94	7.7	726
Clarke	3,285	4.4	14,609	594	7.4	4,399	------	------	------	------	------	------	71	3.8	272
Decatur	350	4.2	1,461	311	6.1	1,895	------	------	------	------	------	------	203	4.6	927
Lucas	5,421	6.1	32,948	1,090	11.5	12,529	24	8.3	200	12	2.9	35	288	6.4	1,830
Madison	4,153	3.7	19,154	6,953	6.8	47,426	21	5.0	105	113	3.4	388	320	4.6	1,478
Marion	8,150	3.9	31,511	6,489	8.0	51,622	58	2.7	158	4	5.5	22	621	6.1	3,774
Monroe	1,454	4.6	6,715	3,146	8.5	26,650	------	------	------	------	------	------	123	3.6	437
Ringgold	3,365	5.0	16,839	1,198	13.3	15,967	------	------	------	------	------	------	115	13.4	1,546
Union	3,721	4.9	18,199	985	8.9	8,756	------	------	------	15	3.3	50	195	6.3	1,237
Warren	2,960	3.9	11,827	11,963	9.1	108,858	17	3.2	55	35	3.9	135	535	6.5	3,475
Wayne	6,331	3.8	23,871	414	12.2	5,049	------	------	------	------	------	------	9	7.8	70
For District	41,111	4.5	185,172	33,791	8.6	290,966	120	4.3	518	179	3.5	630	2,574	6.1	15,772
Southeast—															
Davis	724	7.8	5,632	1,569	12.3	19,304	------	------	------	------	------	------	160	5.4	856
Des Moines	5,596	10.8	60,607	5,833	21.3	124,257	6	3.0	18	------	------	------	424	7.7	3,262
Henry	7,728	8.7	67,382	1,870	13.9	25,983	10	2.0	20	------	------	------	44	7.5	332
Jefferson	5,589	6.8	37,783	2,322	10.8	25,025	9	4.0	36	------	------	------	216	8.4	1,821
Keokuk	15,734	5.9	92,839	2,296	8.9	20,429	40	3.7	147	30	4.0	120	243	3.7	910
Lee	7,794	8.4	65,867	5,445	16.0	86,961	------	------	------	------	------	------	1,602	9.9	15,937
Louisa	4,760	6.3	30,191	8,926	12.5	111,247	------	------	------	------	------	------	1,504	5.8	8,664
Mahaska	7,879	4.8	38,095	5,146	8.8	45,198	23	5.3	122	56	5.0	279	441	7.0	3,077
Van Buren	1,467	6.9	10,157	1,225	10.5	12,892	37	11.1	412	6	16.7	100	42	5.0	209
Wapello	2,843	6.7	19,150	6,025	14.7	88,775	------	------	------	------	------	------	265	6.9	1,820
Washington	11,620	7.1	82,329	2,199	15.2	33,488	117	5.6	651	115	4.9	558	153	4.9	746
For District	71,734	7.1	510,032	42,856	13.8	593,559	242	5.8	1,406	207	5.1	1,057	5,094	7.4	37,634
For State	4,616,745	12.6	58,499,817	273,993	12.1	3,304,559	21,795	7.8	169,890	360,665	12.4	4,474,200	44,101	7.5	329,678

WINTER WHEAT (1934)



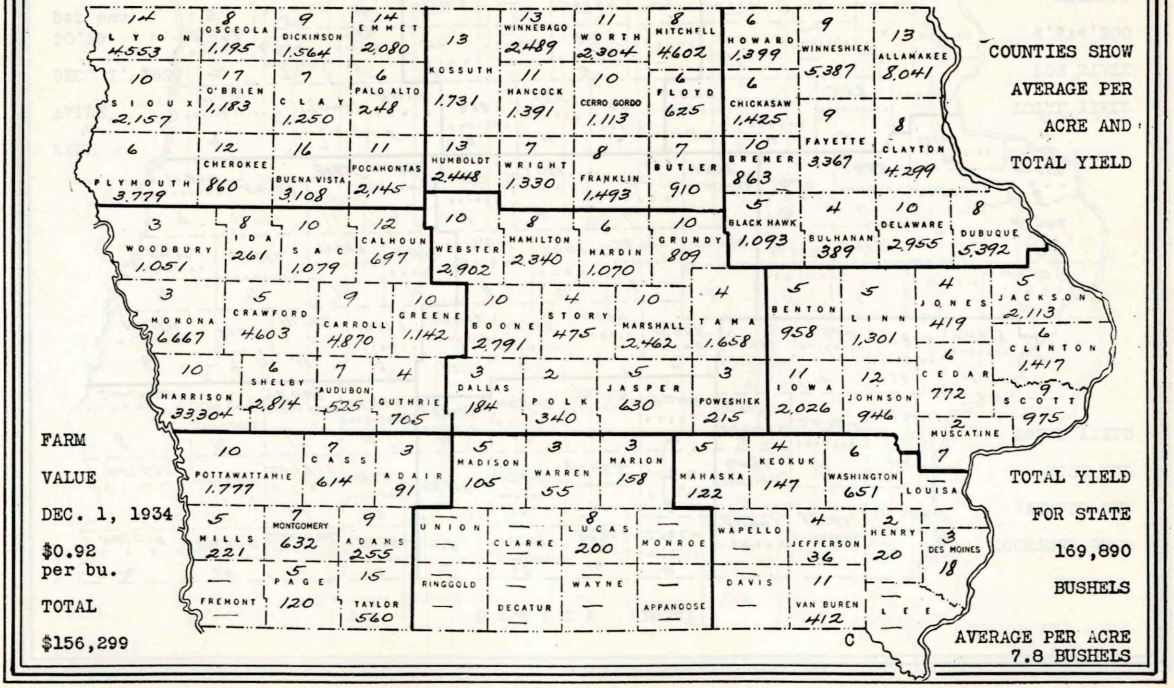
FARM VALUE DEC. 1, 1934 $0.93 per bu. TOTAL $3,073,240

COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

TOTAL YIELD FOR STATE 3,304,559 BUSHELS

AVERAGE PER ACRE 12.1 BUSHELS

SPRING WHEAT (1934)



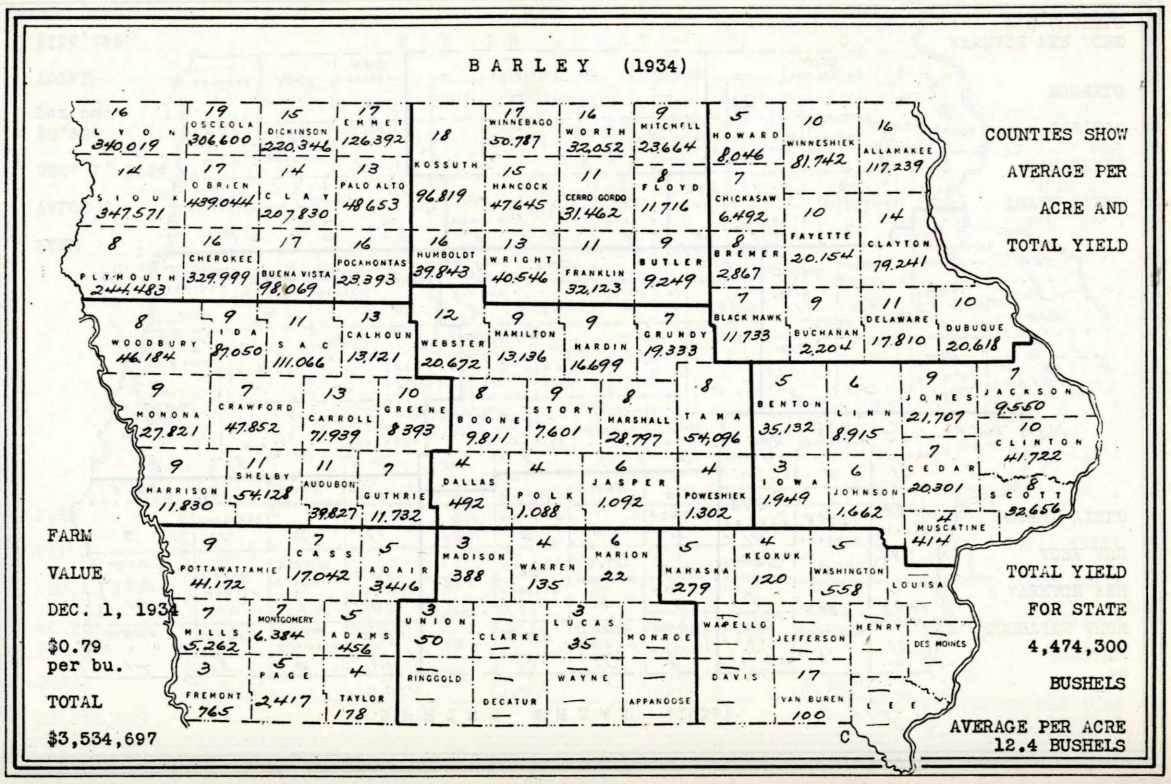
FARM VALUE DEC. 1, 1934 $0.92 per bu. TOTAL $156,299

COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

TOTAL YIELD FOR STATE 169,890 BUSHELS

AVERAGE PER ACRE 7.8 BUSHELS

BARLEY (1934)



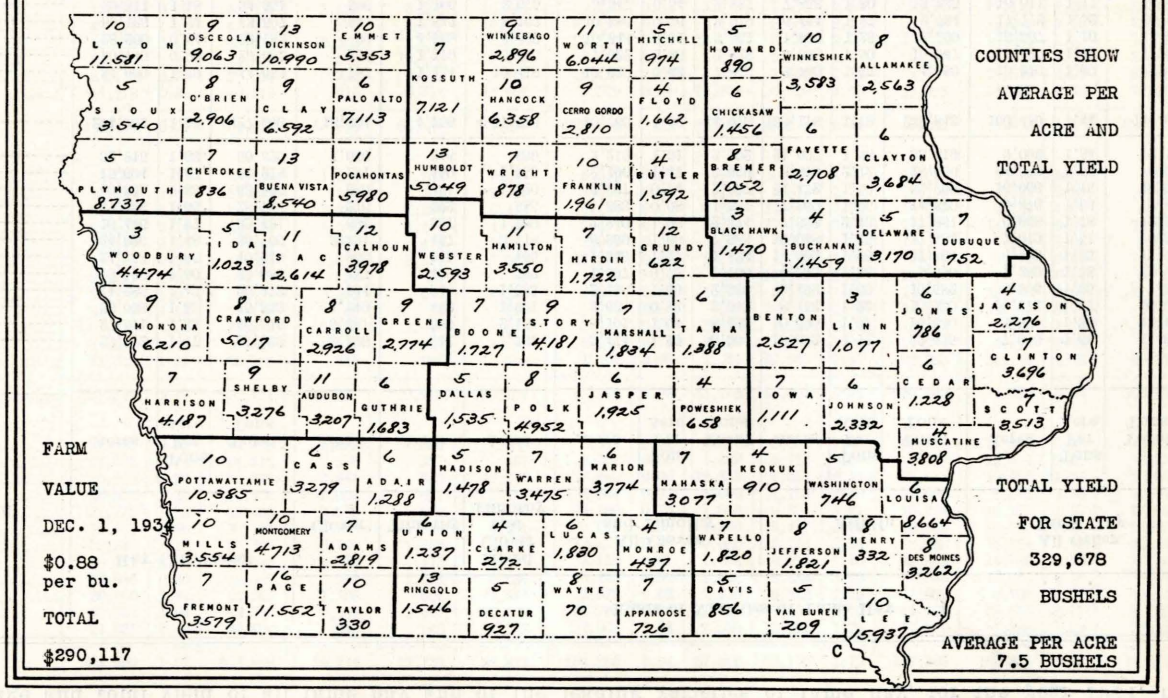
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

FARM VALUE DEC. 1, 1934 $0.79 per bu. TOTAL $3,534,697

TOTAL YIELD FOR STATE 4,474,300 BUSHELS

AVERAGE PER ACRE 12.4 BUSHELS

RYE (1934)



COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

FARM VALUE DEC. 1, 1934 $0.88 per bu. TOTAL $290,117

TOTAL YIELD FOR STATE 329,678 BUSHELS

AVERAGE PER ACRE 7.5 BUSHELS

TABLE NO. 4

Acreage, average and total yield of all tame hay and of the leading varieties of tame hay, for the year 1934, by counties.

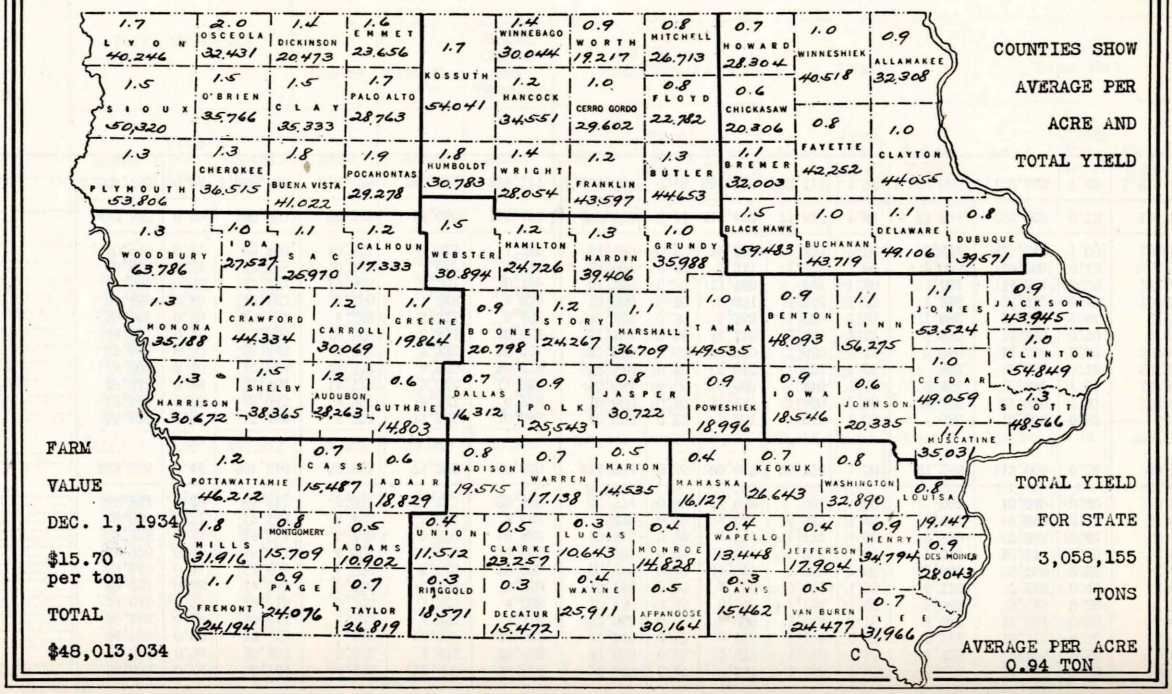
Districts and Counties	Hay (All Tame)			Kinds or Varieties of Tame Hay											
				Clover	Timothy	Mixed Clover and Timothy	All Clover and Timothy			Alfalfa			All Other Tame Hay		
	Acres	Tons Per Acre	Total Tons	Acres	Acres	Acres	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons
Northwest—															
Buena Vista	23,182	1.77	41,022	3,395	342	1,737	5,474	1.20	6,569	10,672	2.12	22,625	7,036	1.68	11,828
Cherokee	27,511	1.33	36,515	5,381	586	2,134	8,101	1.04	8,425	10,605	1.57	16,650	8,805	1.30	11,440
Clay	23,058	1.53	35,333	1,249	483	1,901	3,633	0.83	3,015	8,453	1.92	16,230	10,972	1.47	16,088
Dickinson	14,286	1.43	20,473	564	249	1,385	2,198	1.06	2,330	6,492	1.63	10,582	5,596	1.35	7,561
Emmet	15,128	1.56	23,656	437	458	702	1,597	0.73	1,166	6,242	1.53	9,550	7,289	1.78	12,940
Lyon	24,353	1.65	40,246	803	175	465	1,443	1.27	1,833	14,002	1.95	27,304	8,908	1.25	11,109
O'Brien	24,026	1.48	35,766	3,354	427	3,178	6,959	1.09	7,585	10,048	1.75	17,584	7,019	1.51	10,597
Osceola	16,446	1.97	32,431	694	337	1,209	2,240	1.06	2,374	7,338	2.43	17,831	6,868	1.78	12,226
Palo Alto	17,328	1.66	28,763	276	322	985	1,583	0.98	1,551	7,369	1.95	14,370	8,376	1.53	12,842
Plymouth	40,365	1.33	53,806	820	481	1,526	2,827	0.94	2,657	21,472	1.50	32,208	16,066	1.18	18,941
Pocahontas	15,694	1.87	29,278	291	550	1,655	2,496	1.47	3,669	8,816	2.12	18,690	4,382	1.58	6,919
Sioux	32,915	1.53	50,320	1,030	346	839	2,215	1.31	2,902	21,607	1.63	35,219	9,093	1.34	12,199
For District	274,292	1.56	427,609	18,294	4,756	17,716	40,766	1.08	44,076	133,116	1.79	238,843	100,410	1.44	144,690
North Central—															
Butler	34,609	1.29	44,653	797	1,424	10,418	12,639	0.63	7,963	2,760	1.55	4,280	19,210	1.69	32,410
Cerro Gordo	30,740	0.96	29,602	268	1,179	5,575	7,022	0.36	2,528	6,698	1.50	10,047	17,020	1.00	17,027
Floyd	28,200	0.84	22,782	92	4,129	6,622	10,843	0.31	3,361	1,960	1.28	2,509	15,397	1.10	16,912
Franklin	35,123	1.24	43,597	941	1,842	8,103	10,886	0.36	3,919	6,464	1.97	12,734	17,773	1.52	26,944
Hancock	29,311	1.18	34,551	506	1,166	3,675	5,347	0.54	2,887	7,353	1.80	13,235	16,611	1.11	18,429
Humboldt	17,046	1.81	30,783	367	316	1,492	2,175	1.40	3,045	8,182	2.01	16,446	6,689	1.69	11,292
Kossuth	32,354	1.67	54,041	470	1,022	3,480	4,972	1.11	5,519	14,105	1.97	27,787	13,277	1.56	20,735
Mitchell	33,214	0.80	26,713	72	5,888	6,947	12,907	0.34	4,388	1,233	1.25	1,541	19,074	1.09	20,784
Winnebago	22,271	1.35	30,044	225	774	2,414	3,413	0.92	3,140	8,830	1.67	14,746	10,028	1.21	12,158
Worth	22,614	0.85	19,217	322	2,879	5,940	9,141	0.36	3,291	3,828	1.61	6,163	9,645	1.01	9,763
Wright	20,614	1.36	28,054	459	366	2,383	3,208	0.64	2,053	7,405	1.67	12,366	10,001	1.36	13,635
For District	306,096	1.19	364,087	4,519	20,985	57,049	82,553	0.51	42,094	68,818	1.77	121,854	154,725	1.29	200,089
Northeast—															
Allamakee	37,578	0.86	32,308	519	19,528	7,807	27,854	0.46	12,813	3,369	2.85	9,602	6,355	1.56	9,893
Black Hawk	40,368	1.47	59,483	713	2,154	12,949	15,816	0.55	8,699	4,294	2.56	10,993	20,258	1.96	39,791
Bremer	29,235	1.09	32,003	2,043	1,360	5,939	9,342	0.53	4,951	2,807	1.68	4,716	17,086	1.31	22,336
Buchanan	43,058	1.02	43,719	303	6,768	16,195	23,266	0.61	14,192	1,015	2.75	2,791	18,777	1.42	26,736
Chickasaw	31,656	0.64	20,306	415	3,735	12,521	16,671	0.26	4,334	1,544	1.13	1,745	13,441	1.06	14,227
Clayton	44,350	0.99	44,055	1,542	3,883	13,844	19,269	0.31	5,973	7,971	2.00	15,942	17,110	1.29	22,140
Delaware	43,874	1.12	49,106	970	3,779	16,658	21,407	0.44	9,419	3,536	2.13	7,532	18,931	1.70	32,155
Dubuque	46,832	0.84	39,571	3,422	2,917	24,505	30,844	0.35	10,795	5,032	2.70	13,586	10,956	1.39	15,190
Fayette	50,050	0.84	42,252	318	10,432	12,725	23,475	0.35	8,216	3,004	1.90	5,708	23,571	1.20	28,328
Howard	38,179	0.74	28,304	346	6,919	8,864	16,129	0.26	4,194	1,502	1.35	2,028	20,548	1.07	22,082
Winneshiek	41,278	0.98	40,518	215	3,712	15,652	19,579	0.54	10,573	6,799	1.90	12,918	14,900	1.14	17,027
For District	446,458	0.97	431,625	10,806	65,187	147,659	223,652	0.42	94,159	40,873	2.14	87,561	181,933	1.37	249,905
West Central—															
Audubon	23,950	1.18	28,263	1,544	1,261	5,547	8,352	0.56	4,677	10,550	1.85	19,512	5,048	0.81	4,074
Calhoun	13,993	1.24	17,333	565	404	1,438	2,407	0.49	1,179	6,873	1.71	11,753	4,713	0.93	4,401
Carroll	25,725	1.17	30,069	2,383	1,256	6,491	10,130	0.62	6,281	10,874	1.75	19,030	4,721	1.01	4,758
Crawford	38,947	1.14	44,334	1,939	1,484	4,038	7,461	0.70	5,223	17,185	1.60	27,496	14,301	0.81	11,615
Greene	18,317	1.08	19,864	920	473	1,553	2,946	0.53	1,561	7,608	1.35	10,271	7,763	1.03	8,032
Guthrie	27,105	0.55	14,803	1,975	2,392	7,992	12,359	0.23	2,842	4,904	1.60	7,846	9,842	0.42	4,115
Harrison	24,021	1.28	30,672	96	55	65	216	1.10	238	15,927	1.48	23,572	7,878	0.87	6,862
Ida	26,226	1.05	27,527	962	693	3,235	4,890	0.33	1,614	9,110	1.60	14,576	12,226	0.93	11,337
Monona	26,310	1.34	35,188	49	56	229	334	0.98	327	13,015	1.92	24,989	12,961	0.76	9,872
Sac	23,216	1.12	25,970	2,436	1,627	4,414	8,477	0.69	5,849	9,000	1.46	13,140	5,739	1.22	6,981
Shelby	25,684	1.49	38,365	1,073	513	1,632	3,218	0.76	2,446	17,552	1.80	31,594	4,914	0.88	4,325
Woodbury	48,343	1.31	63,786	345	198	559	1,102	0.93	1,025	23,065	1.43	32,983	24,176	1.23	29,778
For District	321,837	1.17	376,174	14,287	10,412	37,193	61,892	0.52	33,262	145,663	1.62	236,762	114,282	0.93	106,150
Central—															
Boone	22,253	0.93	20,798	1,039	590	1,438	3,067	0.60	1,840	8,087	1.26	10,127	11,149	0.79	8,831
Dallas	23,025	0.71	16,312	1,578	337	637	2,552	0.56	1,429	8,122	1.05	8,528	12,351	0.51	6,355
Grundy	36,660	0.98	35,988	2,884	848	15,257	18,989	0.65	12,343	1,681	2.15	3,614	15,990	1.25	20,031
Hamilton	20,545	1.20	24,726	1,094	627	2,143	3,864	0.79	3,053	7,738	1.50	11,607	8,943	1.13	10,066
Hardin	31,172	1.26	39,406	3,566	860	5,760	10,186	0.75	7,640	6,884	2.21	15,214	14,102	1.17	16,552
Jasper	38,444	0.80	30,722	6,703	1,558	4,981	13,242	0.33	4,370	6,407	1.63	10,443	18,795	0.85	15,909
Marshall	32,848	1.12	36,709	5,199	1,159	6,573	12,931	0.78	10,086	5,734	2.30	13,188	14,183	0.95	13,435
Polk	28,817	0.89	25,543	1,829	475	1,811	4,115	0.37	1,522	9,916	1.40	13,882	14,786	0.69	10,139
Poweshiek	22,086	0.86	18,996	943	1,244	3,036	5,223	0.50	2,612	3,438	2.05	7,048	13,425	0.70	9,336
Story	20,050	1.21	24,267	1,103	607	1,813	3,523	0.63	2,219	6,822	1.75	11,938	9,705	1.04	10,110
Tama	47,762	1.04	49,535	2,593	3,691	17,502	23,786	0.72	17,126	5,158	2.75	14,184	18,818	0.97	18,225
Webster	21,037	1.47	30,894	643	742	1,523	2,908	0.98	2,850	10,241	1.75	17,922	7,888	1.28	10,122
For District	344,699	1.03	353,896	29,174	12,738	62,474	104,386	0.64	67,090	80,178	1.72	137,695	160,135	0.93	149,111

TABLE NO. 4—Continued

Districts and Counties	Hay (All Tame)			Kinds or Varieties of Tame Hay										
				Clover	Timothy	Mixed Clover and Timothy	All Clover and Timothy			Alfalfa			All Other Tame Hay		
	Acres	Tons Per Acre	Total Tons	Acres	Acres	Acres	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons	Acres	Tons Per Acre	Total Tons
East Central—															
Benton	55,426	0.87	48,093	2,536	3,185	21,243	26,964	0.58	15,639	4,174	1.90	7,931	24,288	1.01	24,523
Cedar	48,490	1.01	49,059	11,317	3,324	18,019	32,660	0.52	16,983	3,431	3.28	11,254	12,399	1.67	20,822
Clinton	53,318	1.03	54,849	4,990	3,575	24,770	33,335	0.51	17,001	8,439	2.75	23,207	11,544	1.27	14,641
Iowa	20,842	0.89	18,546	652	1,035	7,829	9,516	0.35	3,331	1,879	2.75	5,167	9,447	1.06	10,048
Jackson	47,546	0.92	43,945	3,908	3,002	16,872	23,782	0.44	10,464	14,261	2.38	24,904	9,503	0.90	8,577
Johnson	36,238	0.56	20,335	5,188	4,031	15,782	25,001	0.27	6,750	2,112	2.20	4,646	9,125	0.98	8,939
Jones	49,860	1.07	53,524	3,119	2,996	23,934	30,049	0.73	21,936	7,149	2.71	19,374	12,662	0.96	12,214
Linn	53,485	1.06	56,275	2,666	4,747	20,261	27,674	0.75	20,756	5,747	2.11	12,126	20,064	1.17	23,393
Muscatine	31,009	1.13	35,031	3,570	2,349	7,906	13,825	0.73	10,092	4,086	1.87	7,641	13,098	1.32	17,298
Scott	38,517	1.26	48,566	7,478	1,675	10,752	19,905	0.75	14,929	7,920	2.48	19,642	10,692	1.31	13,995
For District	434,731	0.99	428,223	45,424	29,919	167,368	242,711	0.57	137,881	59,198	2.30	135,892	132,822	1.16	154,450
Southwest—															
Adair	33,400	0.56	18,829	3,340	2,448	11,208	16,996	0.62	10,538	4,322	1.01	4,365	12,082	0.32	3,926
Adams	23,434	0.47	10,902	6,907	1,371	3,969	12,247	0.28	3,429	4,472	1.18	5,277	6,715	0.33	2,196
Cass	21,755	0.71	15,487	3,719	1,290	3,025	8,034	0.25	2,009	7,240	1.35	9,774	6,481	0.57	3,704
Fremont	21,913	1.10	24,194	1,001	253	636	1,890	0.35	662	10,777	1.68	18,105	9,246	0.59	5,427
Mills	17,331	1.84	31,916	683	217	854	1,754	0.36	631	12,014	2.41	28,954	3,563	0.65	2,331
Montgomery	19,693	0.80	15,709	2,851	585	1,476	4,912	0.25	1,228	9,748	1.25	12,185	5,033	0.46	2,296
Page	27,833	0.87	24,076	5,023	1,912	2,251	9,186	0.40	3,674	11,240	1.50	16,860	7,407	0.48	3,542
Pottawattamie	38,549	1.20	46,212	776	366	642	1,784	0.42	749	28,515	1.45	41,347	8,250	0.50	4,116
Taylor	38,893	0.69	26,819	10,313	4,735	10,175	25,223	0.51	12,864	2,553	1.81	4,621	11,117	0.84	9,334
For District	242,801	0.88	214,144	34,613	13,177	34,236	82,026	0.44	35,784	90,881	1.56	141,488	69,894	0.53	36,872

South Central—															
Appanoose	55,591	0.54	30,164	4,433	16,499	18,125	39,057	0.47	18,357	1,586	1.00	1,586	14,948	0.68	10,221
Clarke	42,980	0.54	23,257	6,552	4,418	23,683	34,653	0.51	17,673	1,132	1.35	1,528	7,195	0.56	4,056
Decatur	54,015	0.29	15,472	3,048	12,150	26,362	41,560	0.21	8,728	1,473	0.87	1,282	10,982	0.50	5,462
Lucas	36,162	0.29	10,643	5,225	4,221	13,139	22,585	0.27	6,098	1,983	0.76	1,507	11,594	0.26	3,038
Madison	24,615	0.79	19,515	5,323	1,335	4,098	10,756	0.56	6,023	4,724	1.25	5,905	9,135	0.83	7,587
Marion	28,021	0.52	14,535	5,896	1,568	8,320	15,784	0.30	4,735	5,019	1.35	6,776	7,218	0.42	3,024
Monroe	33,846	0.44	14,828	4,006	6,049	13,023	23,078	0.48	11,077	1,009	1.05	1,059	9,759	0.28	2,692
Ringgold	55,270	0.34	18,571	4,207	4,889	32,605	41,701	0.33	13,761	1,395	1.27	1,772	12,174	0.25	3,038
Union	53,223	0.35	11,512	5,399	1,679	16,836	23,914	0.19	4,544	1,777	1.35	2,399	7,532	0.61	4,569
Warren	23,989	0.71	17,138	5,423	1,371	2,638	9,432	0.28	2,641	5,577	1.25	6,971	8,980	0.84	7,526
Wayne	65,824	0.39	25,911	5,361	17,213	29,200	51,774	0.31	16,050	501	1.00	501	13,549	0.69	9,360
For District	453,536	0.44	201,546	54,873	71,392	188,029	314,294	0.35	109,687	26,176	1.20	31,286	113,066	0.54	60,573
Southeast—															
Davis	55,830	0.28	15,462	5,771	17,555	16,680	40,006	0.23	9,201	618	1.03	636	15,206	0.37	5,625
Des Moines	32,545	0.86	28,043	9,997	2,367	6,716	19,080	0.59	11,257	1,850	2.38	4,403	11,615	1.07	12,383
Henry	39,641	0.88	34,794	11,738	2,913	11,033	25,684	0.75	19,263	1,376	1.81	2,491	12,581	1.04	13,040
Jefferson	44,905	0.40	17,904	11,512	4,559	16,278	32,349	0.25	8,087	674	1.25	842	11,882	0.76	8,975
Keokuk	37,865	0.70	26,643	3,326	2,232	16,071	21,629	0.65	14,059	1,650	2.17	3,580	14,586	0.62	9,004
Lee	44,997	0.71	31,966	10,599	6,514	10,021	27,134	0.52	14,110	2,758	2.17	5,985	15,105	0.79	11,871
Louisa	23,961	0.80	19,147	4,152	1,517	5,456	11,125	0.50	5,563	1,230	1.53	1,882	11,606	1.01	11,702
Mahaska	35,459	0.45	16,127	7,586	1,948	4,026	13,560	0.52	7,051	3,352	1.35	4,525	18,547	0.25	4,551
Van Buren	47,504	0.52	24,477	12,898	8,761	10,140	31,799	0.37	11,766	901	1.20	1,081	14,804	0.79	11,630
Wapello	35,813	0.38	13,448	9,758	4,647	8,687	23,092	0.23	5,311	1,828	1.60	2,925	10,893	0.48	5,212
Washington	40,815	0.81	32,890	10,801	2,013	11,385	24,199	0.53	12,825	1,373	2.53	3,474	15,243	1.09	16,591
For District	439,335	0.59	260,901	98,138	55,026	116,493	269,657	0.44	118,493	17,610	1.81	31,824	152,068	0.73	110,584
For State	3,263,785	0.94	3,058,155	310,128	283,592	828,217	1,421,937	0.48	682,526	662,513	1.76	1,163,205	1,179,335	1.03	1,212,424

ALL TAME HAY (1934)



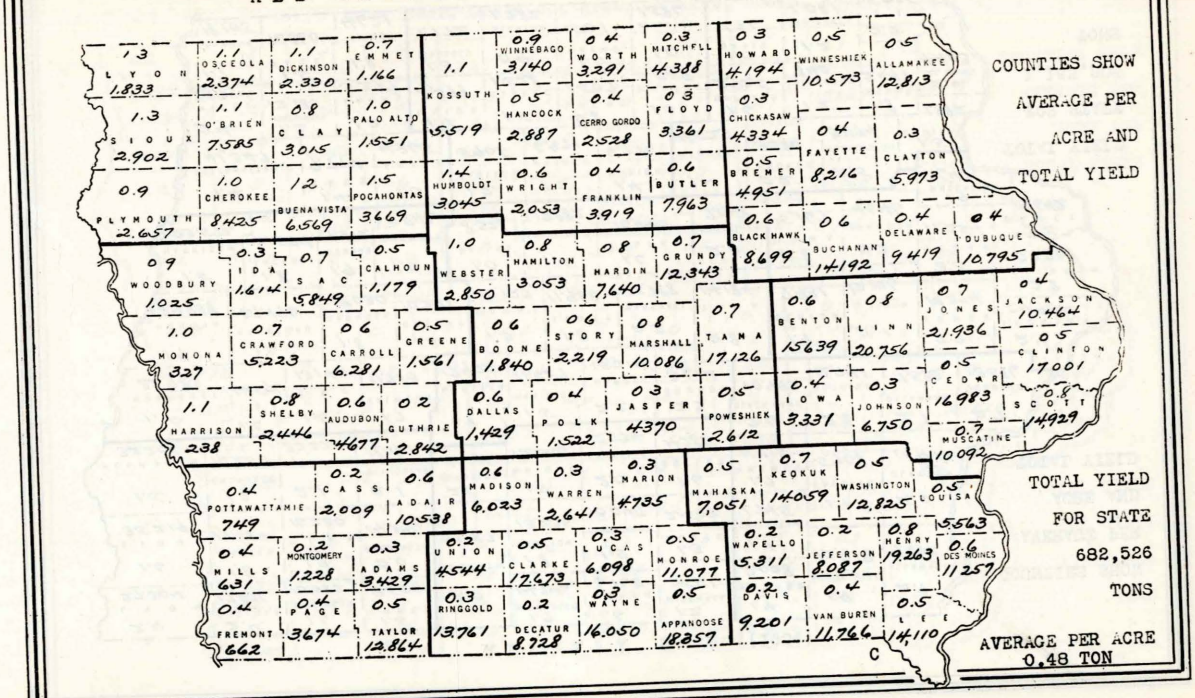
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

FARM VALUE DEC. 1, 1934 $15.70 per ton TOTAL $48,013,034

TOTAL YIELD FOR STATE 3,058,155 TONS

AVERAGE PER ACRE 0.94 TON

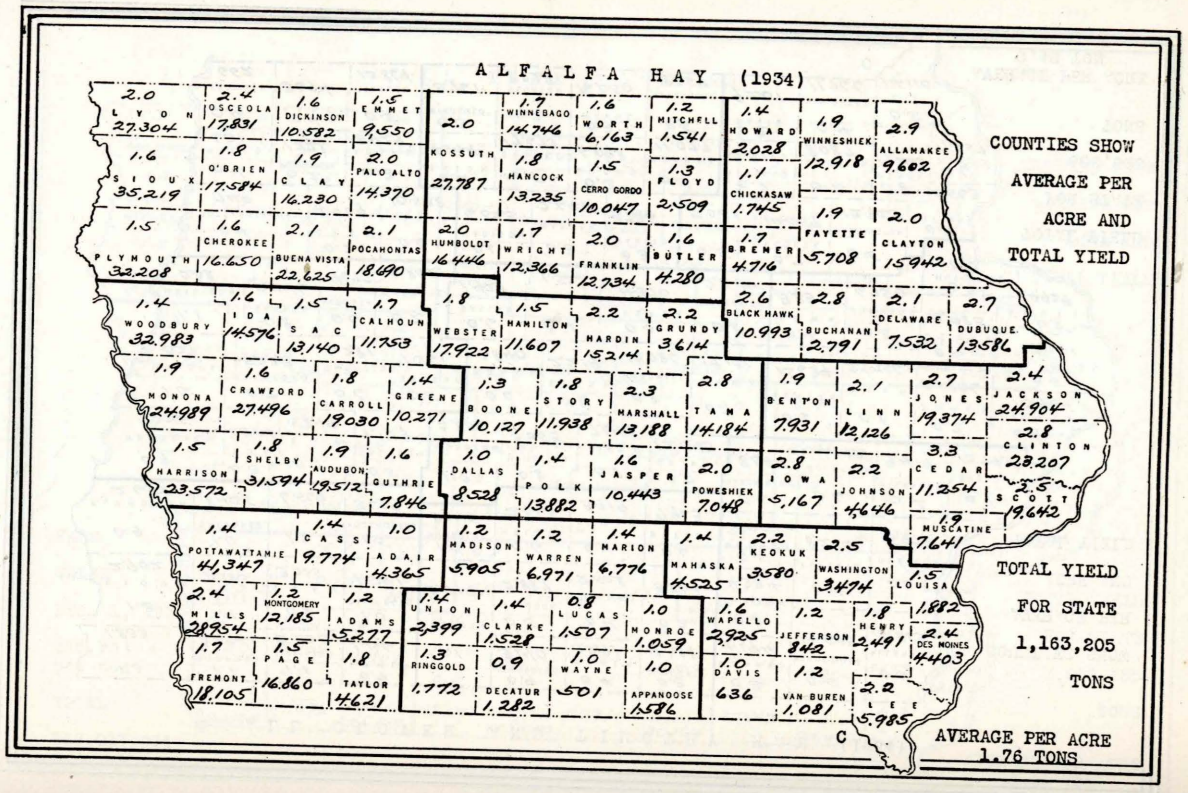
ALL CLOVER AND TIMOTHY HAY (1934)



COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD

TOTAL YIELD FOR STATE 682,526 TONS

AVERAGE PER ACRE 0.48 TON


ALFALFA HAY (1934)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
TOTAL YIELD FOR STATE 1,163,205 TONS
AVERAGE PER ACRE 1.76 TONS
C
LYON 2.0 27.304
OSCEOLA 2.4 17,831
DICKINSON 1.6 10.582
EMMET 1.5 9,550
KOSSUTH 2.0 27,787
WINNEBAGO 1.7 14,746
WORTH 1.6 6,163
MITCHELL 1.2 1,541
HOWARD 1.4 2,028
WINNESHIEK 1.9 12,918
ALLAMAKEE 2.9 9,602
SIOUX 1.6 35,219
O'BRIEN 1.8 17,584
CLAY 1.9 16,230
PALO ALTO 2.0 14,370
HANCOCK 1.8 13,235
CERRO GORDO 1.5 10,047
FLOYD 1.3 2,509
CHICKASAW 1.1 1,745
FAYETTE 1.9 5,708
CLAYTON 2.0 15942
PLYMOUTH 1.5 32,208
CHEROKEE 1.6 16,650
BUENA VISTA 2.1 22,625
POCAHONTAS 2.1 18,690
HUMBOLDT 2.0 16,446
WRIGHT 1.7 12,366
FRANKLIN 2.0 12,734
BUTLER 1.6 4,280
BREMER 1.7 4,716
BLACK HAWK 2.6 10,993
BUCHANAN 2.8 2,791
DELAWARE 2.1 7,532
DUBUQUE 2.7 13,586
WOODBURY 1.4 32,983
IDA 1.6 14,576
SAC 1.5 13,140
CALHOUN 1.7 11,753
WEBSTER 1.8 17,922
HAMILTON 1.5 11,607
HARDIN 2.2 15,214
GRUNDY 2.2 3,614
MONONA 1.9 24,989
CRAWFORD 1.6 27,496
CARROLL 1.8 19,030
GREENE 1.4 10,271
BOONE 1.3 10,127
STORY 1.8 11,938
MARSHALL 2.3 13,188
TAMA 2.8 14,184
BENTON 1.9 7,931
LINN 2.1 12,126
JONES 2.7 19,374
JACKSON 2.4 24,904
HARRISON 1.5 23,572
SHELBY 1.8 31,594
AUDUBON 1.9 19,512
GUTHRIE 1.6 7,846
DALLAS 1.0 8,528
POLK 1.4 13,882
JASPER 1.6 10,443
POWESHIEK 2.0 7,048
IOWA 2.8 5,167
JOHNSON 2.2 4,646
CEDAR 3.3 11,254
CLINTON 2.8 28,207
SCOTT 2.5 19,642
MUSCATINE 1.9 7,641
POTTAWATTAMIE 1.4 41,347
CASS 1.4 9,774
ADAIR 1.0 4,365
MADISON 1.2 5,905
WARREN 1.2 6,971
MARION 1.4 6,776
MAHASKA 1.4 4,525
KEOKUK 2.2 3,580
WASHINGTON 2.5 3,474
LOUISA 1.5 1,882
MILLS 2.4 28,954
MONTGOMERY 1.2 12,185
ADAMS 1.2 5,277
UNION 1.4 2,399
CLARKE 1.4 1,528
LUCAS 0.8 1,507
MONROE 1.0 1,059
WAPELLO 1.6 2,925
JEFFERSON 1.2 842
HENRY 1.8 2,491
DES MOINES 2.4 4,403
FREMONT 1.7 18,105
PAGE 1.5 16,860
TAYLOR 1.8 4,621
RINGGOLD 1.3 1,772
DECATUR 0.9 1,282
WAYNE 1.0 501
APPANOOSE 1.0 1,586
DAVIS 1.0 636
VAN BUREN 1.2 1,081
LEE 2.2 5,985

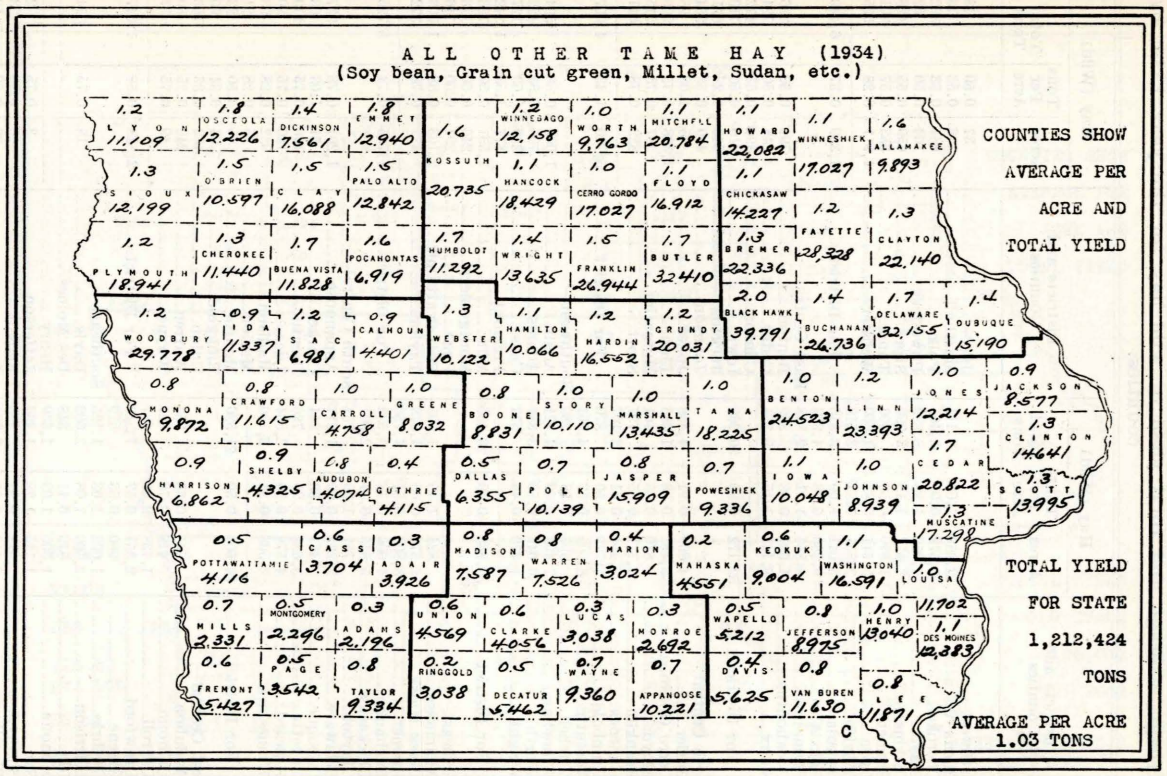

ALL OTHER TAME HAY (1934)
(Soy bean, Grain cut green, Millet, Sudan, etc.)
COUNTIES SHOW AVERAGE PER ACRE AND TOTAL YIELD
TOTAL YIELD FOR STATE 1,212,424 TONS
AVERAGE PER ACRE 1.03 TONS
C
LYON 1.2 11,109
OSCEOLA 1.8 12,226
DICKINSON 1.4 7,561
EMMET 1.8 12,940
KOSSUTH 1.6 20,735
WINNEBAGO 1.2 12,158
WORTH 1.0 9,763
MITCHELL 1.1 20,784
HOWARD 1.1 22,082
WINNESHIEK 1.1 17,027
ALLAMAKEE 1.6 9,893
SIOUX 1.3 12,199
O'BRIEN 1.5 10,597
CLAY 1.5 16,088
PALO ALTO 1.5 12,842
HANCOCK 1.1 18,429
CERRO GORDO 1.0 17,027
FLOYD 1.1 16,912
CHICKASAW 1.1 14,227
FAYETTE 1.2 28,328
CLAYTON 1.3 22,140
PLYMOUTH 1.2 18,941
CHEROKEE 1.3 11,440
BUENA VISTA 1.7 11,828
POCAHONTAS 1.6 6,919
HUMBOLDT 1.7 11,292
WRIGHT 1.4 13,635
FRANKLIN 1.5 26,944
BUTLER 1.7 32,410
BREMER 1.3 22,336
BLACK HAWK 2.0 39,791
BUCHANAN 1.4 24,736
DELAWARE 1.7 32,155
DUBUQUE 1.4 15,190
WOODBURY 1.2 29,778
IDA 0.9 11,337
SAC 1.2 6,981
CALHOUN 0.9 4,401
WEBSTER 1.3 10,122
HAMILTON 1.1 10,066
HARDIN 1.2 16,562
GRUNDY 1.2 20,031
MONONA 0.8 9,872
CRAWFORD 0.8 11,615
CARROLL 1.0 4,758
GREENE 1.0 8,032
BOONE 0.8 8,831
STORY 1.0 10,110
MARSHALL 1.0 13,435
TAMA 1.0 18,225
BENTON 1.0 24,523
LINN 1.2 23,393
JONES 1.0 12,214
JACKSON 0.9 8,577
HARRISON 0.9 6,862
SHELBY 0.9 4,325
AUDUBON 0.8 4,074
GUTHRIE 0.4 4,115
DALLAS 0.5 6,355
POLK 0.7 10,139
JASPER 0.8 15,909
POWESHIEK 0.7 9,336
IOWA 1.1 10,048
JOHNSON 1.0 8,939
CEDAR 1.7 20,822
CLINTON 1.3 14,641
SCOTT 1.3 13,995
MUSCATINE 1.3 17,298
POTTAWATTAMIE 0.5 4,116
CASS 0.6 3,704
ADAIR 0.3 3,926
MADISON 0.8 7,587
WARREN 0.8 7,526
MARION 0.4 3,024
MAHASKA 0.2 4,551
KEOKUK 0.6 9,004
WASHINGTON 1.1 16,591
LOUISA 1.0 11,702
MILLS 0.7 2,331
MONTGOMERY 0.5 2,296
ADAMS 0.3 2,196
UNION 0.6 4,569
CLARKE 0.6 4,056
LUCAS 0.3 3,038
MONROE 0.3 2,692
WAPELLO 0.5 5,212
JEFFERSON 0.8 8,975
HENRY 1.0 13,040
DES MOINES 1.1 12,383
FREMONT 0.6 5,427
PAGE 0.5 3,542
TAYLOR 0.8 9,384
RINGGOLD 0.2 3,038
DECATUR 0.5 5,462
WAYNE 0.7 9,360
APPANOOSE 0.7 10,221
DAVIS 0.4 5,625
VAN BUREN 0.8 11,630
LEE 0.8 11,871

TABLE NO. 5

Acreage, average and total yield of wild hay for the year 1934, by counties.

Districts and Counties	Hay (Wild) Acres	Tons Per Acre	Total Tons
Northwest—			
Buena Vista	2,052	1.03	2,114
Cherokee	3,572	0.97	3,465
Clay	4,952	1.28	6,339
Dickinson	3,477	1.15	3,999
Emmet	1,879	0.53	996
Lyon	5,444	0.83	1,560
O'Brien	2,851	1.34	3,518
Osceola	3,041	1.09	3,315
Palo Alto	6,286	0.78	4,903
Plymouth	8,854	1.11	9,828
Pocahontas	1,621	0.53	859
Sioux	8,143	1.15	9,364
For District	52,172	0.96	50,260
North Central—			
Butler	4,899	0.91	4,458
Cerro Gordo	3,181	0.53	1,686
Floyd	870	0.53	461
Franklin	1,771	0.45	797
Hancock	3,454	0.61	2,107
Humboldt	1,739	0.50	870
Kossuth	8,605	0.53	4,561
Mitchell	498	0.28	139
Winnebago	7,493	0.59	4,421
Worth	6,049	0.56	3,387
Wright	1,273	0.45	573
For District	39,832	0.59	23,460
Northeast—			
Allamakee	824	1.45	1,195
Black Hawk	2,574	0.65	1,673
Bremer	8,808	0.54	4,756
Buchanan	4,606	0.78	3,593
Chickasaw	5,535	0.47	2,601
Clayton	751	1.00	751
Delaware	2,232	0.59	1,317
Dubuque	461	0.53	244
Fayette	3,632	0.20	726
Howard	4,578	0.56	2,564
Winneshiek	2,508	0.84	2,106
For District	36,509	0.59	21,526
West Central—			
Audubon	545	0.65	354
Calhoun	419	0.78	327
Carroll	1,738	0.28	487
Crawford	2,351	0.57	1,340
Greene	980	0.53	519
Guthrie	1,092	1.03	1,125
Harrison	2,409	1.08	2,602
Ida	849	0.41	348
Monona	1,300	1.03	1,339
Sac	1,145	1.28	1,466
Shelby	911	0.53	483
Woodbury	2,412	0.95	2,291
For District	16,151	0.79	12,681
Central—			
Boone	2,015	0.28	564
Dallas	595	0.28	166
Grundy	1,962	1.03	2,021
Hamilton	1,293	0.70	905
Hardin	1,639	0.68	1,115
Jasper	37	0.50	18
Marshall	138	0.53	73
Polk	684	0.53	362
Poweshiek	104	0.50	52
Story	659	0.65	428
Tama	353	0.57	201
Webster	1,911	0.28	535
For District	11,390	0.57	6,440
East Central—			
Benton	792	0.50	396
Cedar	248	0.50	124
Clinton	890	0.53	472
Iowa	219	0.50	110
Jackson	540	1.28	691
Johnson	499	0.53	264
Jones	95	1.03	98
Linn	1,328	0.75	996
Muscatine	287	0.75	215
Scott	822	0.78	641
For District	5,720	1.43	4,007
Southwest—			
Adair	1,065	0.53	564
Adams	795	0.53	422
Cass	240	0.53	127
Fremont	877	1.53	1,342
Mills	1,551	0.50	726
Montgomery	246	0.50	123
Page	291	0.50	146
Pottawattamie	2,163	0.88	1,903
Taylor	477	0.78	372
For District	7,705	0.74	5,725
South Central—			
Appanoose	1,201	0.78	937
Clarke	61	1.03	63
Decatur	146	0.75	110
Lucas	120	0.75	90
Madison	332	0.28	93
Marion	75	0.28	21
Monroe	45	0.50	23
Ringgold	94	0.34	60
Union	463	0.33	153
Warren	242	0.25	60
Wayne	49	0.75	37
For District	2,828	0.58	1,647
Southeast—			
Davis	18	0.75	14
Des Moines	------	------	------
Henry	------	------	------
Jefferson	3	0.75	2
Keokuk	46	0.50	23
Lee	38	0.50	19
Louisa	179	0.60	107
Mahaska	173	0.50	86
Van Buren	7	0.60	4
Wapello	31	0.60	19
Washington	22	0.50	11
For District	517	0.55	285
For State	172,824	0.73	126,031

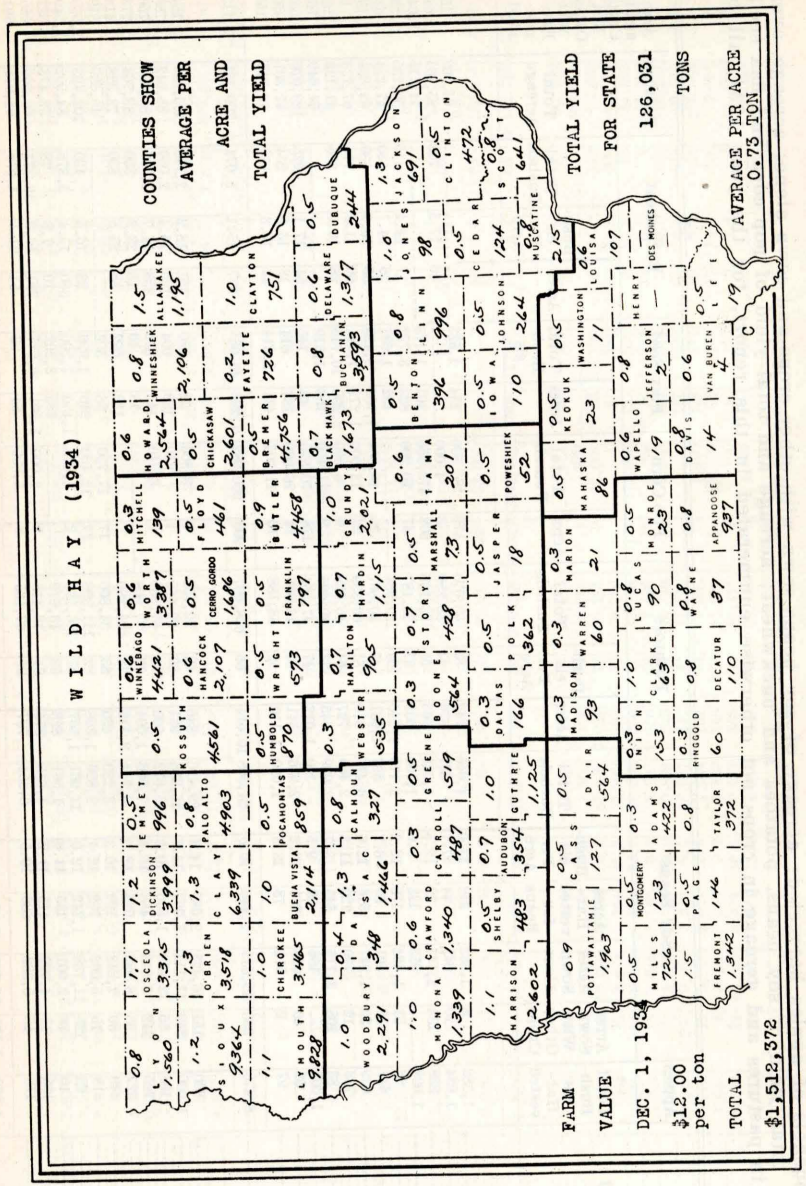


TABLE NO. 6

Number of bushels of apples harvested; acreage of soy beans sown with other crops and sown alone; acreage, average and total yield of soy beans, potatoes and buckwheat; acreage and total yield of pop corn and flax seed; acreage in pastures and acreage in crops not otherwise enumerated in this report, for the year 1934, all by counties.

Districts and Counties	Apples	Soy Beans					Potatoes			Pop Corn		Flax Seed		Buckwheat			Pastures	Acreage in Crops Not Otherwise Enumerated
	Total Bushels Harvested	Acres Sown With Other Crops	Acres Sown Alone	Acres Harvested for Beans	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Total Pounds	Acres	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Total Acreage	
Northwest—																		
Buena Vista	1,582	8	1,263	312	13.0	4,045	742	85	63,070	179	186,590	214	1,523				61,302	153
Cherokee	1,034	20	645	44	7.7	337	870	44	38,280	3	4,000			40	17.5	700	85,061	648
Clay	338	134	2,147	82	12.5	1,023	603	55	33,165	502	473,950	301	1,178				71,715	1,041
Dickinson	1,638		953	133	8.6	1,150	609	43	26,187	47	80,200	823	3,722	17	24.4	415	50,235	299
Emmet	22	51	1,462	178	12.2	2,179	1,246	104	129,584			452	1,697	36	14.7	530	47,234	632
Lyon	641	16	401	89	6.7	597	1,081	47	50,807	15	18,000	1,162	8,425	35	15.1	530	62,894	192
O'Brien	639	32	1,247	516	12.6	6,477	819	81	66,339	22	12,000	1,272	7,681	66	11.8	776	67,733	14
Osceola	743	12	770	220	11.2	2,465	727	64	46,528	6	6,060	2,290	16,745	28	10.9	306	41,193	169
Palo Alto	83	108	3,115	545	3.7	2,029	645	77	49,665	9	11,400	156	1,319				61,640	765
Plymouth	1,607		166	20	9.5	190	1,012	47	47,564	178	70,875	48	145	54	17.1	925	120,070	552
Pocahontas	52	10	950	223	13.2	2,936	541	90	48,690	24	26,000	157	614	18	13.0	234	47,301	493
Sioux	97	2	514	78	13.8	1,080	1,119	52	58,188	10	11,907	421	2,014	43	15.3	658	82,743	155
For District	8,476	393	13,633	2,440	10.0	24,508	10,014	66	658,067	995	900,982	7,296	45,063	337	15.1	5,074	799,121	5,113
North Central—																		
Butler	890	151	16,478	2,089	14.1	29,416	846	62	52,452	5	3,800	51	180	151	18.2	2,748	105,548	1,154
Cerro Gordo	1,060	249	11,111	1,357	11.3	15,355	931	89	82,859	1	350	120	604	125	16.4	2,050	85,542	785
Floyd	108	55	12,453	1,516	10.3	15,672	595	114	67,830	5	3,340	145	536	258	14.7	3,797	87,026	756
Franklin	725	242	8,813	488	15.4	7,506	1,004	77	77,308			18	40	15	23.3	350	83,764	773
Hancock	327	55	8,935	525	12.9	6,754	3,115	72	224,280			112	692	38	21.8	830	73,328	414
Humboldt	449	30	2,243	199	16.3	3,239	420	83	34,860	17	17,750	68	592				40,639	319
Kossuth	318	15	5,062	792	12.4	9,826	1,358	82	111,356	31	12,400	316	1,996	26	16.5	430	102,493	1,039
Mitchell	65	125	11,738	1,242	12.0	14,961	1,567	87	136,329	2	1,625	1,436	7,200	350	15.4	5,375	84,992	1,549
Winnebago	10	18	2,901	135	11.6	1,561	823	53	43,619			485	3,202	10	7.8	78	52,478	622
Worth	135	15	4,022	415	11.2	4,635	874	84	73,416	3	2,000	1,501	8,647	751	16.2	12,171	60,360	955
Wright	173	46	5,332	636	10.5	6,654	707	95	67,165	8	5,350	54	93	51	21.1	1,075	64,978	601
For District	4,260	1,001	89,088	9,394	12.3	115,579	12,240	79	971,474	72	46,615	4,306	23,782	1,775	16.3	28,904	841,148	8,967

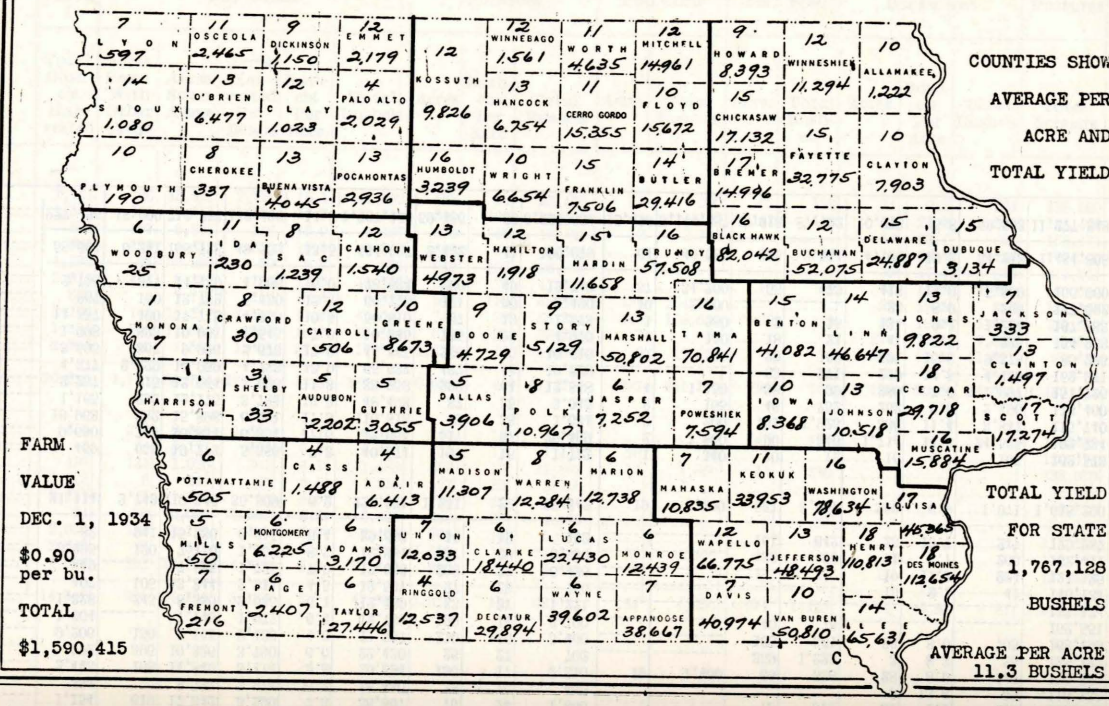
Northeast—																		
Allamakee	3,544	49	2,579	116	10.5	1,222	938	98	91,924			66	448	58	14.3	832	189,551	24,022
Black Hawk	1,614	149	21,413	4,989	16.4	82,042	532	75	39,900	21	30,500	104	412	235	17.8	4,196	105,344	1,105
Bremer	1,915	305	12,560	879	17.1	14,996	856	52	44,512	17	16,500			58	25.7	1,491	85,145	2,273
Buchanan	2,568	365	17,745	4,247	12.3	52,075	385	92	35,420	1	1,320	18	22	87	26.3	2,291	113,841	1,805
Chickasaw	538	117	8,432	1,136	15.1	17,132	405	61	24,705	6	4,400	131	459	331	23.5	7,775	109,051	1,004
Clayton	4,431	140	8,119	752	10.5	7,903	1,299	87	113,013	4	4,386	54	293	21	17.2	361	225,477	15,867
Delaware	6,083	120	14,411	1,636	15.2	24,887	681	99	67,419	2	1,925	12	82	34	14.9	507	124,301	3,617
Dubuque	5,501	115	7,449	214	14.6	3,134	1,867	93	173,631	6	7,400	28	105	18	21.4	386	159,807	12,950
Fayette	3,841	450	17,053	2,184	15.0	32,775	998	96	95,808	5	3,400	35	120	216	20.8	4,486	175,177	4,915
Howard	265	408	9,840	897	9.4	8,393	526	92	48,392	5	6,000	328	1,214	1,034	17.8	18,438	111,533	2,031
Winneshiek	4,987	702	8,094	951	11.9	11,294	890	97	86,330	4	6,200	313	1,585	89	20.5	1,824	182,591	8,761
For District	35,287	2,920	127,695	18,001	14.2	255,853	9,377	88	821,054	71	82,031	1,089	4,740	2,181	19.5	42,587	1,581,818	78,350
West Central—																		
Audubon	372	47	994	407	5.4	2,202	630	39	24,570	3	1,300	78	86				90,806	1,190
Calhoun	67	212	924	133	11.6	1,540	241	73	17,593	482	305,200	18	63	10	10.0	100	53,279	60
Carroll	315	62	345	44	11.5	506	1,221	57	69,597	433	203,620	137	805				81,775	858
Crawford	136		238	4	7.5	30	1,060	28	29,680	619	118,120	10	70				136,054	931
Greene	393	177	3,375	841	10.3	8,673	214	54	11,556								71,028	607
Guthrie	420	207	2,685	575	5.3	3,055	225	43	9,675	18	5,200						142,789	1,959
Harrison	22,557	2	64				643	14	9,002	68	11,205	6	18				105,019	2,705
Ida	503		304	21	11.0	230	442	30	13,260	2,437	676,030						62,365	67
Monona	1,880		116	7	1.0	7	621	49	30,429	81	43,300	6	3				115,716	2,314
Sac	1	91	691	150	8.3	1,239	759	54	40,986	5,804	1,714,189	33	175	23	13.0	300	79,852	30
Shelby	290	18	220	10	3.3	33	853	30	25,590	72	14,860	18	75				104,771	596
Woodbury	2,040		149	4	6.2	25	1,400	33	46,200	382	53,560			45	5.7	255	119,674	6,539
For District	28,974	816	10,105	2,196	8.0	17,540	8,309	39	328,138	10,399	3,146,584	306	1,295	78	8.4	65	1,163,128	17,856
Central—																		
Boone	1,416	508	2,724	516	9.2	4,729	136	56	7,616			53	223	20	2.8	55	83,615	1,138
Dallas	2,555	155	5,312	777	5.0	3,906	162	20	3,240	4	220						108,979	1,188
Grundy	275	36	13,059	3,555	16.2	57,508	1,028	78	80,184	9	12,000	23	103	5	29.0	145	78,805	26
Hamilton	543	12	2,676	164	11.7	1,918	698	87	60,726			52	131	20	30.0	600	64,726	592
Hardin	1,216	84	5,369	791	14.7	11,658	554	87	48,198	171	172,000	121	640	3	23.3	70	84,258	479
Jasper	3,059	86	7,044	1,149	6.3	7,252	116	50	5,800	10	4,500	86	184	12	0.3	4	181,104	1,263
Marshall	3,094	3	8,695	3,929	12.9	50,802	545	74	40,330	6	1,590	197	945	3	40.0	120	109,151	1,653
Polk	18,044	153	9,005	1,349	8.1	10,967	417	42	17,514			167	542	40	14.1	565	96,386	2,087
Poweshiek	808	19	5,276	1,164	6.5	7,594	234	34	7,956	3	1,400	108	127	20	6.7	134	176,980	1,938
Story	1,943	9	4,485	555	9.2	5,129	140	79	11,060	105	83,250	70	151	17	18.2	310	69,652	199
Tama	1,694	34	11,619	4,378	16.2	70,841	865	71	61,415	1	100	47	160	5	1.4	7	162,878	7,300
Webster	1,231	55	1,466	384	13.0	4,973	471	78	36,738	8	4,580	98	534				82,123	4,001
For District	35,878	1,154	76,730	18,711	12.7	237,277	5,366	71	380,777	317	279,640	1,022	3,740	145	13.9	2,010	1,298,657	21,864

TABLE NO. 6—Continued

Districts and Counties	Apples	Soy Beans					Potatoes			Pop Corn		Flax Seed		Buckwheat			Pastures	Acreage in Crops Not Otherwise Enumerated
	Total Bushels Harvested	Acres Sown With Other Crops	Acres Sown Alone	Acres Harvested for Beans	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Total Pounds	Acres	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Total Acreage	
East Central—																		
Benton	2,121	120	15,852	2,713	15.1	41,082	583	90	52,470	1	200	62	132	24	9.3	224	136,593	2,401
Cedar	1,562	101	9,311	1,695	17.5	29,718	320	100	32,000	95	211,400	141	420	51	23.9	1,220	126,429	4,469
Clinton	601	107	6,575	116	12.9	1,497	376	49	18,424	3	2,700	------	------	19	22.1	420	155,171	4,292
Iowa	981	196	4,839	813	10.3	8,368	683	66	45,078	------	------	51	45	10	23.5	235	177,360	10,828
Jackson	1,285	24	2,200	50	6.7	333	949	106	100,594	------	------	------	------	35	17.4	610	217,731	4,578
Johnson	3,875	443	5,397	792	13.3	10,518	522	79	41,238	------	------	10	30	84	14.9	1,249	163,316	6,529
Jones	629	3	7,776	759	12.9	9,822	599	110	65,890	139	254,200	------	------	28	12.5	349	158,867	6,468
Linn	4,772	143	15,377	3,349	13.9	46,647	746	89	66,394	143	155,650	30	135	57	18.9	1,075	152,275	5,014
Muscatine	1,484	274	11,879	987	16.1	15,884	618	96	59,328	7	1,050	------	------	279	25.1	7,009	93,684	3,488
Scott	2,925	340	7,523	1,002	17.2	17,274	1,273	71	90,383	9	16,500	1	6	571	20.5	11,677	85,688	1,214
For District	20,235	1,751	86,729	12,276	14.8	181,143	6,669	86	571,799	397	641,700	295	768	1,158	20.8	24,068	1,467,114	49,281
Southwest—																		
Adair	653	312	9,018	1,551	4.1	6,413	169	13	2,197	------	------	146	452	------	------	------	147,603	1,453
Adams	6	41	5,193	533	5.9	3,170	132	11	1,452	20	700	------	------	------	------	------	120,174	474
Cass	195	124	1,626	361	4.1	1,488	659	18	11,862	11	1,850	58	326	------	------	------	138,076	937
Fremont	3,423	6	247	33	6.5	216	157	20	3,140	------	------	------	------	------	------	------	72,789	3,095
Mills	3,257	45	201	10	5.0	50	191	21	4,011	------	------	4	10	------	------	------	69,213	2,776
Montgomery	74	20	2,092	1,067	5.8	6,225	209	20	4,180	------	------	8	18	------	------	------	84,319	295
Page	2,605	189	3,121	405	5.9	2,407	365	16	5,840	------	------	------	------	------	------	------	114,291	816
Pottawattamie	2,642	42	544	85	5.9	505	1,680	14	23,520	53	2,400	42	307	------	------	------	143,141	3,649
Taylor	1,692	202	12,757	4,392	6.2	27,446	266	22	5,852	------	------	13	10	14	5.8	81	133,598	1,009
For District	14,547	981	34,799	8,437	5.7	47,920	3,828	16	62,054	84	4,950	271	1,123	14	5.8	81	1,023,204	14,504

South Central—																		
Appanoose	1,154	619	17,342	5,299	7.3	38,667	75	24	1,800	------	------	79	371	34	4.4	149	164,026	3,641
Clarke	394	------	8,784	2,974	6.2	18,440	29	15	435	------	------	------	------	5	13.6	68	116,139	3,535
Decatur	2,443	168	14,849	5,114	5.8	29,894	130	17	2,210	19	1,400	69	328	28	8.9	249	166,821	4,433
Lucas	792	395	10,326	3,730	6.0	22,430	26	27	702	------	------	359	1,223	3	8.3	25	138,123	5,453
Madison	9,206	150	8,163	2,436	4.6	11,307	210	26	5,460	------	------	105	361	88	8.0	705	168,499	3,128
Marion	1,664	------	7,143	1,977	6.4	12,738	150	14	2,100	------	------	40	78	------	------	------	152,551	5,463
Monroe	1,328	245	8,530	2,035	6.1	12,439	33	37	1,221	------	------	------	------	------	------	------	153,174	2,889
Ringgold	407	105	13,344	2,811	4.5	12,537	27	28	756	------	------	------	------	15	2.7	41	146,134	3,581
Union	349	------	7,825	1,726	7.0	12,033	238	27	6,426	------	------	------	------	19	11.8	224	121,125	1,689
Warren	3,295	120	7,110	1,492	8.2	12,284	317	20	6,340	------	------	38	94	71	3.7	263	162,411	3,441
Wayne	82	941	15,930	6,215	6.4	39,602	16	12	192	------	------	161	642	23	10.7	247	129,287	2,231
For District	21,114	2,743	119,346	35,809	6.2	222,371	1,251	22	27,642	19	1,400	851	3,097	286	6.9	1,971	1,618,290	39,484
Southeast—																		
Davis	469	658	19,772	5,586	7.3	40,974	107	16	1,712	1	140	10	12	16	6.7	107	162,513	7,610
Des Moines	9,680	748	16,534	6,394	17.6	112,654	517	57	29,469	2	1,800	90	346	1,714	14.3	24,535	102,734	3,331
Henry	16,963	282	15,898	6,321	17.5	110,813	43	38	1,634	2	200	161	1,923	336	11.4	3,847	115,740	1,112
Jefferson	1,165	292	12,175	3,784	12.8	48,493	87	35	3,045	2	165	46	252	252	9.9	2,490	118,460	1,676
Keokuk	2,237	215	12,064	3,005	11.3	33,953	292	44	12,848	4	1,150	38	99	280	7.0	1,957	151,726	3,488
Lee	4,377	2,229	16,959	4,733	13.9	65,631	437	44	19,228	------	------	33	271	299	14.8	4,425	152,971	5,223
Louisa	3,595	367	9,926	2,673	17.0	45,365	266	40	10,640	1	500	29	102	591	15.8	9,378	85,226	3,009
Mahaska	1,998	823	10,091	1,545	7.0	10,835	185	22	4,070	4	150	18	21	41	5.5	225	154,963	2,700
Van Buren	14,557	100	17,748	4,855	10.5	50,810	67	19	1,273	1	280	2	15	134	9.1	1,224	167,883	4,772
Wapello	867	150	12,772	5,430	12.3	66,775	171	20	3,420	10	2,000	------	------	23	8.9	205	117,592	4,361
Washington	2,756	377	14,789	4,906	16.0	78,634	260	49	12,740	37	34,200	55	473	418	14.0	5,850	155,060	4,742
For District	58,664	6,241	158,728	49,232	13.5	664,937	2,432	41	100,079	64	40,585	482	3,514	4,104	13.2	54,243	1,484,868	42,024
For State	227,435	18,000	716,853	156,496	11.3	1,767,128	59,486	66	3,921,084	12,418	5,144,487	15,918	87,122	10,078	15.8	159,593	11,277,348	277,443

SOY BEANS (1934)



POTATOES (1934)

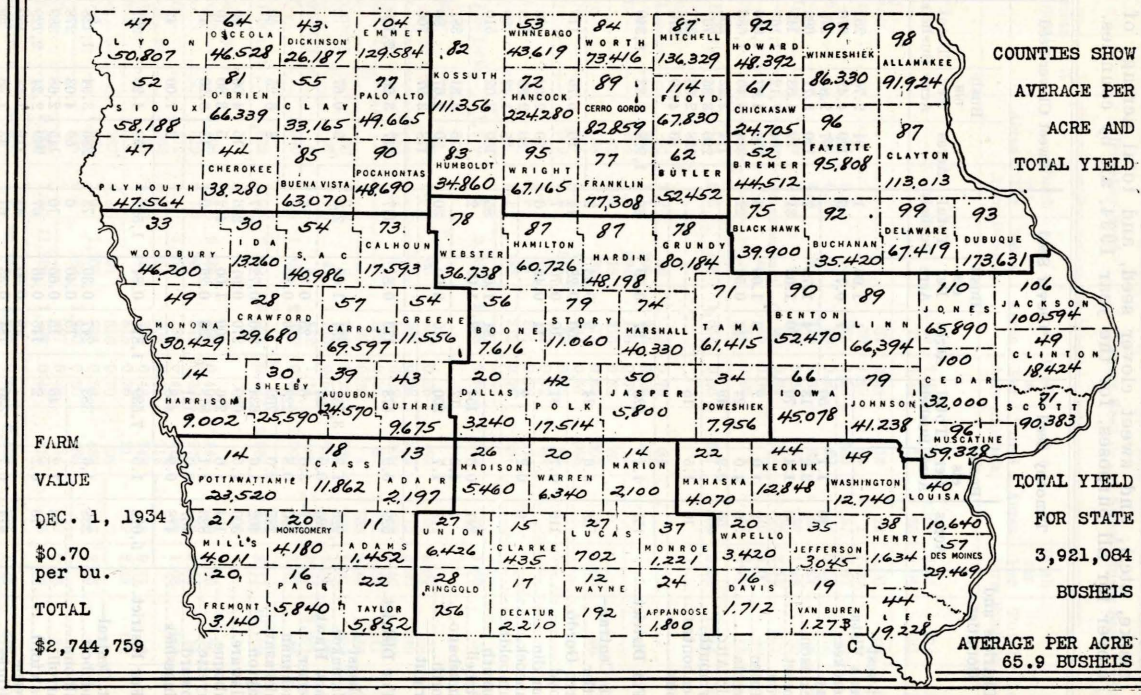


TABLE NO. 7

Acreage, average and total yield of timothy seed, clover seed (red, alsike, etc.), and sweet clover seed, and total acreage of sweet clover for all purposes, for the year 1934, all by counties.

Districts and Counties	Timothy Seed			*Clover Seed			Sweet Clover Seed			†Sweet Clover
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres
Northwest—										
Buena Vista	------	------	------	1	1.00	1	91	2.76	251	3,240
Cherokee	------	------	------	7	0.71	5	129	4.42	570	2,720
Clay	30	1.7	50	------	------	------	97	2.84	275	2,620
Dickinson	4	3.2	13	4	1.75	7	120	5.77	693	2,307
Emmet	50	1.4	70	30	1.03	31	32	4.53	145	2,640
Lyon	------	------	------	------	------	------	164	7.12	1,167	1,785
O'Brien	2	1.0	2	3	1.00	3	370	4.87	1,806	2,718
Osceola	6	4.0	24	42	0.52	22	383	4.40	1,686	2,910
Palo Alto	55	0.9	49	------	------	------	114	2.22	253	2,995
Plymouth	------	------	------	------	------	------	220	3.35	737	3,882
Pocahontas	10	1.5	15	------	------	------	128	2.98	381	648
Sioux	------	------	------	------	------	------	80	4.70	376	3,079
For District	157	1.4	223	87	0.79	69	1,928	4.33	8,340	31,544
North Central—										
Butler	38	0.6	24	9	0.33	3	------	------	------	119
Cerro Gordo	------	------	------	50	0.28	14	20	5.75	115	716
Floyd	119	0.7	81	10	0.70	7	------	------	------	409
Franklin	------	------	------	14	0.42	6	20	2.00	40	276
Hancock	9	0.2	2	------	------	------	80	2.85	228	1,450
Humboldt	------	------	------	------	------	------	35	1.43	50	2,813
Kossuth	------	------	------	81	1.05	85	169	3.02	510	4,483
Mitchell	241	0.6	154	2	1.00	2	------	------	------	14
Winnebago	4	4.2	17	------	------	------	115	3.31	381	3,001
Worth	118	1.7	200	10	3.00	30	30	2.67	80	623
Wright	------	------	------	------	------	------	178	3.97	706	4,443
For District	529	0.9	478	176	0.84	147	647	3.26	2,110	18,347
Northeast—										
Allamakee	1,925	1.8	3,531	251	1.00	253	3	0.67	2	78
Black Hawk	26	0.9	24	------	------	------	------	------	------	57
Bremer	2	3.0	6	25	0.52	13	------	------	------	63
Buchanan	290	0.8	223	20	0.85	17	------	------	------	45
Chickasaw	385	2.0	769	------	------	------	8	6.25	50	86
Clayton	402	1.6	634	800	0.72	577	------	------	------	89
Delaware	390	1.5	609	270	0.91	246	15	4.00	60	56
Dubuque	164	1.6	276	409	1.00	412	5	3.80	19	25
Fayette	823	1.1	878	36	0.25	9	15	3.20	48	109
Howard	137	0.9	131	------	------	------	------	------	------	10
Winneshiek	478	0.9	458	------	------	------	6	7.00	42	233
For District	5,022	1.5	7,539	1,811	0.84	1,527	52	4.25	221	851
West Central—										
Audubon	238	1.6	383	247	0.30	73	286	3.94	1,128	3,854
Calhoun	------	------	------	15	0.40	6	69	4.03	278	2,532
Carroll	38	1.2	46	15	0.66	10	145	2.68	389	2,333
Crawford	10	0.2	2	146	0.46	67	949	2.24	2,129	6,973
Greene	------	------	------	49	0.90	44	119	1.34	159	1,587
Guthrie	474	0.7	330	184	0.33	61	43	1.38	59	536
Harrison	------	------	------	7	7.14	50	802	2.85	2,283	8,357
Ida	13	0.8	11	15	0.27	4	806	4.20	3,389	2,272
Monona	------	------	------	------	------	------	509	3.23	1,646	2,070
Sac	2	1.5	3	100	0.53	53	24	1.42	34	2,677
Shelby	------	------	------	172	0.66	113	874	2.61	2,281	8,567
Woodbury	------	------	------	42	1.00	42	2,746	3.32	9,126	16,734
For District	775	1.0	775	992	0.53	523	7,372	3.11	22,901	58,492

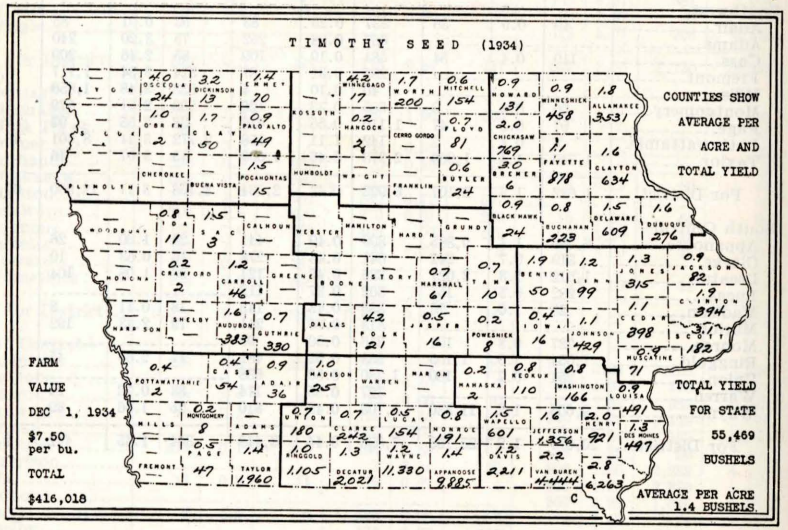
TABLE NO. 7—Continued

Districts and Counties	Timothy Seed			*Clover Seed			Sweet Clover Seed			†Sweet Clover
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres
Central—										
Boone	------	------	------	45	1.13	51	106	3.53	374	3,955
Dallas	------	------	------	77	0.14	11	26	5.04	131	1,560
Grundy	------	------	------	------	------	------	------	------	------	23
Hamilton	------	------	------	31	0.42	13	23	2.96	68	2,421
Hardin	------	------	------	10	1.40	14	1	7.00	7	2,786
Jasper	34	0.5	16	785	0.26	206	57	2.67	152	700
Marshall	82	0.7	61	99	0.83	82	46	6.00	276	309
Polk	5	4.2	21	172	0.36	62	60	2.27	136	3,035
Poweshiek	49	0.2	8	188	0.25	47	87	1.49	130	151
Story	------	------	------	68	0.69	47	106	3.13	332	5,073
Tama	13	0.7	10	45	0.16	7	10	5.00	50	106
Webster	------	------	------	14	0.50	7	47	2.09	98	708
For District	183	0.6	116	1,534	0.36	547	569	3.08	1,754	20,827
East Central—										
Benton	26	1.9	50	45	0.76	34	------	------	------	34
Cedar	363	1.1	398	345	0.56	193	------	------	------	250
Clinton	204	1.9	394	105	0.70	74	------	------	------	107
Iowa	42	0.4	16	215	0.31	67	------	------	------	8
Jackson	88	0.9	82	471	0.65	307	25	1.60	40	621
Johnson	394	1.1	429	964	0.57	550	------	------	------	7
Jones	249	1.3	315	68	0.93	63	------	------	------	59
Linn	81	1.2	99	122	0.72	88	------	------	------	177
Muscatine	75	0.9	71	251	0.70	176	------	------	------	375
Scott	57	3.1	182	312	0.76	237	------	------	------	172
For District	1,579	1.2	2,036	2,898	0.62	1,789	25	1.60	40	1,810
Southwest—										
Adair	40	0.9	36	337	0.25	83	93	0.91	85	266
Adams	------	------	------	667	0.38	252	75	3.20	240	323
Cass	119	0.4	54	584	0.19	109	85	2.46	209	746
Fremont	------	------	------	285	0.31	87	314	3.54	1,117	9,083
Mills	------	------	------	40	0.10	4	533	3.48	1,856	9,087
Montgomery	30	0.2	8	385	0.33	126	233	2.91	679	1,956
Page	97	0.5	47	1,110	0.55	616	38	2.55	97	1,089
Pottawattamie	6	0.4	2	142	1.11	158	2,772	3.11	8,601	38,267
Taylor	1,340	1.4	1,960	2,373	0.46	1,099	15	3.07	46	126
For District	1,632	1.3	2,107	5,923	0.43	2,534	4,158	3.11	12,930	60,943
South Central—										
Appanoose	6,796	1.4	9,885	899	0.49	441	20	1.30	26	193
Clarke	319	0.7	242	641	0.43	278	16	0.63	10	177
Decatur	1,512	1.3	2,021	286	0.43	124	96	1.08	104	534
Lucas	282	0.5	154	302	0.37	112	------	------	------	16
Madison	25	1.0	25	335	0.43	143	18	0.11	2	126
Marion	------	------	------	813	0.26	211	79	2.43	192	419
Monroe	227	0.8	191	316	0.30	95	------	------	------	66
Ringgold	1,054	1.0	1,105	933	0.52	482	17	2.65	45	98
Union	254	0.7	180	1,280	0.50	638	------	------	------	90
Warren	------	------	------	327	0.35	114	33	0.73	24	223
Wayne	9,605	1.2	11,330	1,703	0.48	810	25	1.56	39	170
For District	20,074	1.2	25,133	7,835	0.44	3,448	304	1.45	442	2,112

TABLE NO. 7—Continued

Districts and Counties	Timothy Seed			*Clover Seed			Sweet Clover Seed			†Sweet Clover
	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres	Bushels Per Acre	Total Bushels	Acres
Southeast—										
Davis	1,863	1.2	2,211	534	0.29	154				55
Des Moines	359	1.3	497	748	0.81	606	15	3.73	56	69
Henry	456	2.0	921	1,026	0.64	658				88
Jefferson	863	1.6	1,356	3,412	0.48	1,626	27	3.70	100	6
Keokuk	130	0.8	110	624	0.44	277	47	2.13	100	70
Lee	2,262	2.8	6,263	3,205	0.64	2,043	4	3.75	15	101
Louisa	573	0.9	491	549	0.67	370	13	8.07	105	48
Mahaska	10	0.2	2	517	0.27	141	20	2.55	51	263
Van Buren	2,104	2.2	4,444	2,058	0.56	1,153				95
Wapello	402	1.5	601	569	0.61	347	57	6.94	396	116
Washington	219	0.8	166	3,515	0.64	2,258	14	0.86	12	39
For District	9,241	1.8	17,062	16,757	0.57	9,633	197	4.24	835	950
For State	39,192	1.4	55,469	38,013	0.53	20,217	15,252	3.25	49,573	195,876

*Does not include sweet clover.
†Sweet clover, all varieties, for all purposes.



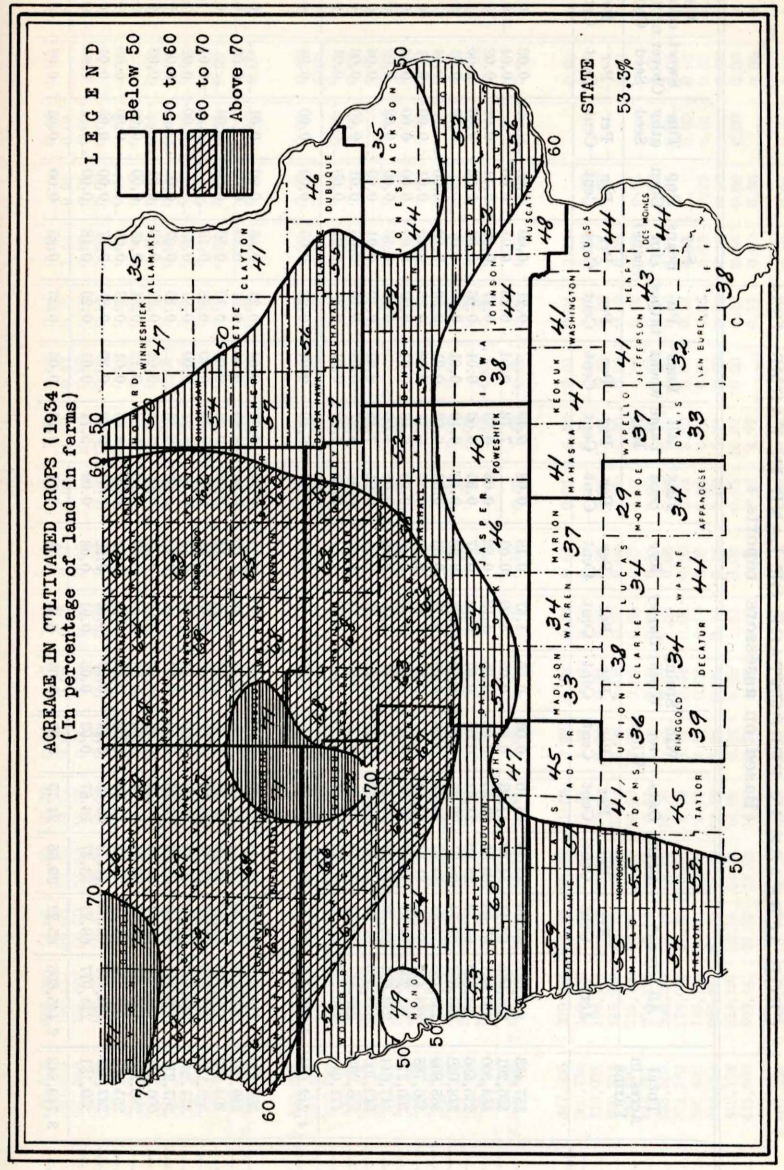


TABLE NO. 8

CROP ACREAGE IN PERCENTAGE OF LAND IN FARMS, 1934

(Based on assessors' reports.)

Districts and Counties	Total Acres in Farms	All Crops*		Corn	Oats	Winter Wheat	Spring Wheat	Barley	Rye	Flax Seed	All Tame Hay	Buckwheat	Potatoes	Soy Beans (for beans)	Pop Corn	Timothy Seed	Sweet Clover Seed	Miscellaneous Crops
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Northwest—																		
Buena Vista	357,433	248,037	69.39	33.75	26.10	0.06	0.05	1.57	0.18	0.06	6.49	-------	0.21	0.09	0.05	-------	0.02	0.76
Cherokee	356,291	225,065	63.17	31.29	17.33	0.03	0.02	5.99	0.03	-------	7.72	0.01	0.25	0.01	0.00	-------	0.04	0.45
Clay	353,300	236,831	67.03	30.82	23.55	0.02	0.05	4.12	0.22	0.08	6.53	-------	0.17	0.02	0.14	0.01	0.02	1.28
Dickinson	235,586	154,846	65.73	28.80	21.61	0.06	0.07	6.44	0.37	0.35	6.06	0.01	0.26	0.06	0.02	0.00	0.05	1.57
Emmet	248,052	168,037	67.74	30.31	26.35	0.06	0.06	2.96	0.23	0.18	6.10	0.01	0.50	0.07	-------	0.02	0.01	0.88
Lyon	365,809	259,155	70.84	31.37	24.44	0.05	0.09	5.78	0.33	0.32	6.66	0.01	0.30	0.02	0.00	-------	0.04	1.43
O'Brien	356,788	245,430	68.79	31.64	21.15	0.00	0.03	7.43	0.10	0.37	6.73	0.02	0.23	0.15	0.01	0.00	0.11	0.82
Osceola	250,372	181,200	72.37	31.37	25.57	0.03	0.06	6.46	0.42	0.92	6.56	0.01	0.29	0.09	0.00	0.00	0.16	0.43
Palo Alto	347,644	232,684	66.93	30.75	28.19	0.17	0.01	1.06	0.35	0.05	4.98	-------	0.19	0.16	0.00	0.02	0.03	0.97
Plymouth	542,100	332,530	61.34	32.75	14.46	0.18	0.11	5.37	0.31	0.01	7.45	0.01	0.19	0.01	0.03	-------	0.04	0.42
Pocahontas	358,203	255,447	71.31	33.59	31.26	0.11	0.05	0.84	0.15	0.04	4.37	0.01	0.15	0.06	0.01	0.00	0.03	0.64
Sioux	471,046	323,755	68.73	33.73	21.61	0.10	0.05	5.32	0.14	0.09	6.99	0.01	0.24	0.01	0.00	-------	0.01	0.43
For District	4,242,624	2,863,017	67.48	31.91	22.98	0.08	0.06	4.42	0.22	0.17	6.49	0.01	0.23	0.05	0.02	0.00	0.04	0.80
North Central—																		
Butler	359,726	214,346	59.59	28.51	19.09	0.06	0.04	0.30	0.11	0.01	9.62	0.04	0.24	0.58	0.00	0.01	-------	0.98
Cerro Gordo	346,091	219,617	63.46	29.24	22.63	0.08	0.03	0.86	0.09	0.04	8.89	0.04	0.27	0.39	0.00	-------	0.00	0.90
Floyd	304,783	188,645	61.89	28.86	21.90	0.03	0.03	0.51	0.14	0.05	9.25	0.08	0.19	0.50	0.00	0.04	-------	0.31
Franklin	362,258	237,225	65.48	31.74	21.70	0.02	0.05	0.80	0.05	0.01	9.69	0.00	0.28	0.13	-------	-------	0.01	1.00
Hancock	357,231	246,809	69.09	30.48	26.56	0.00	0.04	0.88	0.18	0.03	8.21	0.00	0.87	0.15	-------	0.00	0.02	1.67
Humboldt	267,211	189,346	70.86	33.39	29.30	0.06	0.07	0.94	0.15	0.03	6.38	-------	0.16	0.07	0.01	-------	0.01	0.29
Kossuth	606,113	411,695	67.92	31.11	29.45	0.06	0.02	0.89	0.17	0.01	5.34	0.01	0.23	0.13	0.01	-------	0.03	0.46
Mitchell	288,250	176,773	61.33	23.81	22.34	0.03	0.20	0.93	0.07	0.50	11.52	0.12	0.54	0.43	0.00	0.08	-------	0.76
Winnebago	251,421	161,834	64.37	27.48	24.28	0.02	0.07	1.19	0.12	0.19	8.86	0.01	0.33	0.06	-------	0.00	0.05	1.71
Worth	247,628	154,428	62.36	24.71	25.08	0.12	0.09	0.84	0.22	0.61	9.13	0.30	0.35	0.17	0.00	0.05	0.01	0.68
Wright	359,131	244,977	68.21	33.27	26.87	0.03	0.05	0.91	0.03	0.02	5.74	0.01	0.20	0.18	0.00	-------	0.05	0.85
For District	3,749,843	2,445,695	65.22	29.65	24.75	0.05	0.05	0.81	0.12	0.12	8.16	0.05	0.33	0.25	0.00	0.01	0.02	0.85

Northeast—																		
Allamakee	390,072	135,040	34.62	11.19	10.72	0.09	0.17	1.83	0.08	0.02	9.63	0.01	0.24	0.03	-------	0.49	0.00	0.12
Black Hawk	345,333	195,517	56.62	27.35	14.17	0.06	0.06	0.46	0.17	0.03	11.69	0.07	0.15	1.44	0.01	0.01	-------	0.95
Bremer	267,740	151,508	56.59	25.52	18.33	0.05	0.03	0.13	0.05	-------	10.92	0.02	0.32	0.33	0.01	0.00	-------	0.88
Buchanan	353,148	199,423	56.47	26.49	15.48	0.05	0.03	0.07	0.09	0.01	12.19	0.03	0.11	1.20	0.00	0.08	-------	0.64
Chickasaw	304,546	165,776	54.43	23.94	18.40	0.11	0.07	0.29	0.08	0.04	10.40	0.11	0.13	0.37	0.00	0.13	-------	0.36
Clayton	470,748	193,505	41.11	15.34	14.05	0.06	0.11	1.20	0.14	0.01	9.42	0.00	0.28	0.16	0.00	0.09	-------	0.25
Delaware	351,425	193,326	55.01	23.75	16.92	0.06	0.08	0.46	0.19	0.00	12.49	0.01	0.20	0.47	0.00	0.11	0.00	0.27
Dubuque	367,291	168,305	45.82	17.39	14.01	0.03	0.17	0.57	0.03	0.01	12.75	0.01	0.51	0.06	0.00	0.04	0.00	0.24
Fayette	446,717	224,797	50.32	20.79	16.30	0.11	0.08	0.44	0.10	0.01	11.20	0.05	0.22	0.49	0.00	0.18	0.00	0.34
Howard	296,266	149,053	50.31	19.82	15.59	0.02	0.08	0.53	0.06	0.11	12.89	0.35	0.18	0.30	0.00	0.05	-------	0.33
Winneshiek	430,396	200,582	46.60	17.80	16.23	0.09	0.15	1.92	0.09	0.07	9.59	0.02	0.21	0.22	0.00	0.11	0.00	0.10
For District	4,023,682	1,976,832	49.13	20.39	15.32	0.07	0.10	0.78	0.10	0.03	11.10	0.05	0.23	0.45	0.00	0.12	0.00	0.39
West Central—																		
Audubon	280,875	156,083	55.57	28.75	15.53	0.45	0.03	1.31	0.11	0.03	8.53	-------	0.22	0.14	0.00	0.08	0.10	0.29
Calhoun	354,487	253,626	71.55	34.02	32.77	0.07	0.02	0.29	0.09	0.00	3.96	0.00	0.07	0.04	0.13	-------	0.02	0.07
Carroll	356,749	226,945	63.62	32.01	20.81	0.56	0.15	1.56	0.10	0.04	7.21	-------	0.34	0.01	0.12	0.01	0.04	0.66
Crawford	448,140	244,186	54.49	29.65	12.91	0.63	0.22	1.47	0.14	0.00	8.69	-------	0.24	0.00	0.14	0.00	0.21	0.19
Greene	353,404	236,086	66.80	36.02	24.71	0.10	0.03	0.24	0.09	-------	5.18	-------	0.06	0.24	-------	-------	0.03	0.10
Guthrie	367,947	173,253	47.09	26.87	11.02	0.72	0.04	0.47	0.07	-------	7.37	-------	0.06	0.16	0.01	0.13	0.01	0.16
Harrison	423,278	226,024	53.40	36.87	5.61	3.28	0.82	0.32	0.15	0.00	5.70	-------	0.15	-------	0.01	-------	0.19	0.30
Ida	272,439	175,966	64.59	33.04	15.98	0.05	0.01	3.45	0.08	-------	9.62	-------	0.16	0.01	0.90	0.01	0.30	0.98
Monona	421,974	207,813	49.25	32.42	4.79	3.85	0.50	0.75	0.17	-------	6.24	-------	0.15	0.00	0.02	-------	0.12	0.24
Sac	356,140	235,114	66.02	32.75	20.30	0.06	0.03	2.88	0.07	0.01	6.52	0.01	0.21	0.04	1.63	0.00	0.01	1.50
Shelby	371,293	220,958	59.51	33.10	16.88	0.42	0.13	1.30	0.10	0.01	6.92	-------	0.23	0.00	0.02	-------	0.23	0.17
Woodbury	526,872	294,782	55.95	35.67	7.26	1.20	0.06	1.09	0.28	-------	9.18	0.01	0.27	0.00	0.07	-------	0.52	0.34
For District	4,533,598	2,650,836	58.47	32.75	15.01	1.05	0.19	1.19	0.13	0.01	7.10	0.01	0.18	0.05	0.22	0.02	0.16	0.40
Central—																		
Boone	347,505	219,385	63.13	33.82	21.60	0.27	0.08	0.36	0.07	0.01	6.40	0.01	0.04	0.15	-------	-------	0.03	0.29
Dallas	363,756	190,423	52.35	32.47	11.41	1.42	0.02	0.03	0.08	-------	6.33	-------	0.04	0.22	0.00	-------	0.01	0.32
Grundy	315,072	188,778	59.92	29.92	15.67	0.02	0.03	0.85	0.02	0.01	11.64	0.00	0.32	1.12	0.00	-------	-------	0.32
Hamilton	360,316	245,958	68.26	33.50	27.84	0.08	0.08	0.39	0.09	0.01	5.70	0.01	0.19	0.05	-------	-------	0.01	0.31
Hardin	349,397	216,720	62.03	32.00	19.29	0.02	0.05	0.55	0.07	0.03	8.92	0.00	0.16	0.22	0.05	-------	-------	0.67
Jasper	448,257	204,125	45.54	28.08	6.21	1.18	0.03	0.04	0.08	0.02	8.58	0.00	0.03	0.25	0.00	0.01	0.01	1.02
Marshall	353,569	206,781	58.48	28.92	15.76	0.47	0.07	1.05	0.08	0.06	9.29	0.00	0.16	1.11	0.00	0.02	0.01	1.48
Polk	324,289	176,056	54.29	29.50	9.76	3.74	0.04	0.08	0.20	0.05	8.89	0.01	0.13	0.42	-------	0.00	0.02	1.45
Poweshiek	366,402	146,149	39.89	25.78	6.73	0.23	0.02	0.10	0.05	0.03	6.03	0.01	0.06	0.32	0.00	0.01	0.02	0.50
Story	348,074	227,271	65.29	35.18	22.22	0.39	0.04	0.24	0.14	0.02	5.76	0.00	0.04	0.16	0.03	-------	0.03	1.04
Tama	449,112	234,157	52.14	24.73	13.08	0.32	0.09	1.61	0.06	0.01	10.64	0.00	0.19	0.98	0.00	0.00	0.00	0.43
Webster	441,605	300,141	67.97	31.82	30.46	0.05	0.07	0.38	0.06	0.02	4.77	-------	0.11	0.09	0.00	-------	0.01	0.13
For District	4,467,354	2,555,944	57.21	30.32	16.66	0.66	0.05	0.48	0.08	0.02	7.72	0.00	0.12	0.42	0.01	0.01	0.01	0.65

TABLE NO. 8—Continued

Districts and Counties	Total Acres in Farms	All Crops*		Corn	Oats	Winter Wheat	Spring Wheat	Barley	Rye	Flax Seed	All Tame Hay	Buckwheat	Potatoes	Soy Beans (for beans)	Pop Corn	Timothy Seed	Sweet Clover Seed	Miscellaneous Crops
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
East Central—																		
Benton	443,005	254,016	57.34	27.34	13.57	0.21	0.05	1.56	0.08	0.01	12.51	0.01	0.13	0.61	0.00	0.01	----	1.25
Cedar	351,140	183,917	52.38	26.22	9.55	0.68	0.04	0.84	0.06	0.04	13.81	0.02	0.09	0.48	0.03	0.10	----	0.42
Clinton	422,961	224,925	53.18	26.85	11.24	0.75	0.05	1.02	0.13	----	12.61	0.00	0.09	0.02	0.00	0.05	----	0.37
Iowa	362,030	136,621	37.74	22.75	7.87	0.51	0.05	0.19	0.04	0.01	5.76	0.00	0.19	0.23	----	0.01	----	0.13
Jackson	390,276	138,080	35.38	14.85	7.34	0.10	0.10	0.34	0.14	----	12.19	0.01	0.24	0.01	----	0.02	0.01	0.03
Johnson	372,648	164,878	44.24	23.82	8.89	0.54	0.02	0.08	0.10	0.00	9.72	0.02	0.14	0.21	----	0.11	----	0.59
Jones	349,973	152,844	43.67	20.55	7.24	0.05	0.03	0.72	0.04	----	14.25	0.01	0.17	0.21	0.04	0.07	----	0.29
Linn	419,185	216,177	51.57	24.32	11.52	0.29	0.06	0.33	0.08	0.01	12.76	0.01	0.18	0.80	0.03	0.02	----	1.16
Muscatine	255,145	121,291	47.54	24.89	4.97	1.70	0.00	0.04	0.40	----	12.16	0.11	0.24	0.39	0.00	0.03	----	2.61
Scott	271,545	152,829	56.28	25.30	10.65	2.46	0.04	1.52	0.20	0.00	14.19	0.21	0.47	0.37	0.00	0.02	----	0.85
For District	3,637,908	1,745,578	47.98	23.69	9.53	0.64	0.04	0.68	0.12	0.01	11.95	0.03	0.18	0.34	0.01	0.04	0.00	0.72
Southwest—																		
Adair	360,205	163,137	45.29	26.40	7.48	1.11	0.01	0.21	0.06	0.04	9.27	----	0.05	0.43	----	0.01	0.03	0.19
Adams	268,404	108,787	40.53	25.21	4.24	1.84	0.01	0.04	0.14	----	8.73	----	0.05	0.20	0.01	----	0.03	0.03
Cass	355,257	180,567	50.83	29.44	11.34	2.45	0.02	0.73	0.15	0.02	6.13	----	0.19	0.10	0.00	0.03	0.02	0.21
Fremont	309,361	165,840	53.61	39.00	1.82	3.77	----	0.08	0.17	----	7.08	----	0.05	0.01	----	----	0.10	1.53
Mills	265,033	146,314	55.21	37.69	6.04	3.59	0.01	0.28	0.14	0.00	6.54	----	0.07	0.00	----	----	0.20	0.65
Montgomery	261,765	144,494	55.20	32.28	8.29	5.85	0.03	0.33	0.18	0.00	7.52	----	0.08	0.41	----	0.01	0.09	0.13
Page	331,096	172,385	52.07	31.25	5.61	5.49	0.01	0.16	0.22	----	8.41	----	0.11	0.12	----	0.03	0.01	0.65
Pottawattamie	564,843	334,527	59.22	37.68	10.58	1.75	0.03	0.81	0.19	0.01	6.82	----	0.30	0.02	0.01	0.00	0.49	0.53
Taylor	332,328	147,983	44.53	24.86	3.88	2.10	0.01	0.01	0.10	0.00	11.70	0.00	0.08	1.32	----	0.40	0.01	0.06
For District	3,048,292	1,564,034	51.31	31.86	6.99	2.92	0.02	0.34	0.15	0.01	7.97	0.00	0.13	0.28	0.00	0.05	0.14	0.45

South Central—																		
Appanoose	314,016	107,559	34.25	11.58	0.61	0.21	----	----	0.03	0.02	17.70	0.01	0.02	1.69	----	2.16	0.01	0.21
Clarke	263,729	99,299	37.65	18.57	1.25	0.22	----	----	0.03	----	16.30	0.00	0.01	1.12	----	0.12	0.01	0.02
Decatur	334,335	114,667	34.30	15.62	0.11	0.09	----	----	0.06	0.02	16.16	0.01	0.04	1.53	0.01	0.45	0.02	0.18
Lucas	264,956	90,389	34.12	16.12	2.05	0.41	0.01	0.00	0.11	0.14	13.65	0.00	0.01	1.41	----	0.11	----	0.10
Madison	355,986	117,106	32.90	21.77	1.17	1.95	0.01	0.03	0.09	0.03	6.92	0.02	0.06	0.68	----	0.01	0.01	0.15
Marion	344,428	128,841	37.41	24.09	2.37	1.88	0.02	0.00	0.18	0.01	8.14	----	0.04	0.58	----	----	0.02	0.08
Monroe	263,315	77,441	29.41	13.81	0.55	1.20	----	----	0.05	----	12.85	----	0.01	0.77	----	0.09	----	0.08
Ringgold	335,768	130,098	38.75	19.64	1.00	0.36	----	----	0.03	----	16.46	0.00	0.01	0.84	----	0.31	0.01	0.09
Union	263,594	96,187	36.49	21.08	1.41	0.37	----	0.01	0.07	----	12.60	0.01	0.09	0.66	----	0.10	----	0.09
Warren	351,472	118,038	33.58	21.65	0.84	3.40	0.01	0.01	0.15	0.01	6.83	0.02	0.09	0.42	----	----	0.01	0.14
Wayne	325,631	142,770	43.84	16.52	1.94	0.13	----	----	0.00	0.05	20.21	0.01	0.01	1.91	----	2.95	0.01	0.10
For District	3,417,230	1,222,395	35.77	18.39	1.20	0.99	0.00	0.01	0.08	0.02	13.27	0.01	0.04	1.05	0.00	0.59	0.01	0.11
Southeast—																		
Davis	313,896	103,865	33.09	12.02	0.23	0.50	----	----	0.05	0.00	17.79	0.01	0.03	1.78	0.00	0.59	----	0.09
Des Moines	249,668	109,719	43.95	22.20	2.24	2.34	0.00	----	0.17	0.04	13.04	0.68	0.21	2.56	0.00	0.14	0.01	0.32
Henry	263,843	112,778	42.74	21.08	2.93	0.71	0.00	----	0.02	0.06	15.02	0.13	0.02	2.40	0.00	0.17	----	0.20
Jefferson	267,134	109,882	41.13	19.32	2.09	0.87	0.00	----	0.08	0.02	16.81	0.10	0.03	1.42	0.00	0.32	0.01	0.06
Keokuk	356,993	147,364	41.28	24.35	4.42	0.64	0.01	0.01	0.07	0.01	10.61	0.08	0.08	0.84	0.00	0.03	0.01	0.12
Lee	302,040	113,995	37.74	14.37	2.58	1.80	----	----	0.53	0.01	14.90	0.10	0.14	1.57	----	0.75	0.00	0.99
Louisa	231,745	102,732	44.33	24.51	2.05	3.85	----	----	0.65	0.01	10.34	0.26	0.12	1.15	0.00	0.24	0.01	1.14
Mahaska	352,127	143,784	40.83	26.17	2.24	1.46	0.01	0.02	0.12	0.01	10.07	0.01	0.05	0.43	0.00	0.00	0.01	0.23
Van Buren	299,294	95,259	31.83	12.49	0.49	0.41	0.01	0.00	0.02	0.00	15.87	0.05	0.02	1.62	0.00	0.71	----	0.14
Wapello	256,970	96,277	37.47	17.27	1.11	2.34	----	----	0.10	----	13.94	0.01	0.08	2.11	0.00	0.16	0.02	0.33
Washington	353,050	145,970	41.34	23.92	3.29	0.62	0.03	0.03	0.04	0.02	11.56	0.12	0.07	1.39	0.01	0.06	0.01	0.17
For District	3,246,760	1,281,625	39.47	19.89	2.21	1.32	0.01	0.01	0.16	0.01	13.53	0.13	0.07	1.52	0.00	0.28	0.01	0.32
For State	34,367,291	18,305,956	53.27	26.87	13.43	0.80	0.06	1.05	0.13	0.05	9.50	0.03	0.17	0.46	0.04	0.11	0.04	0.53

*Does not include wild hay.
Note: "0.00" indicates less than 0.01 per cent; blanks (----) indicate none.

TABLE NO. 9

ACREAGE NOT IN CROPS, IN PERCENTAGE OF LAND IN FARMS, 1934

(Based on assessors' reports.)

Districts and Counties	Total Acreage in Farms	Land Not in Crops		Pasture	Wild Hay	Timber, Wood Lots	Waste Land	Crop Land Idle	Bldgs., Feed Lots, Public Highways
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Northwest—									
Buena Vista	357,433	109,396	30.61	17.15	0.58	0.04	0.35	6.73	5.76
Cherokee	356,291	131,226	36.83	23.88	1.00	0.18	0.32	6.05	5.40
Clay	353,300	116,469	32.97	20.30	1.40	0.30	0.45	4.91	5.61
Dickinson	235,586	80,740	34.27	21.32	1.48	0.13	0.94	5.07	5.33
Emmet	248,052	80,015	32.26	19.04	0.76	0.26	1.30	5.67	5.23
Lyon	365,809	106,654	29.16	17.19	1.49	0.05	0.19	4.97	5.27
O'Brien	356,788	111,358	31.21	18.98	0.79	0.03	0.07	5.74	5.60
Osceola	250,372	69,172	27.63	16.45	1.22	0.07	0.24	4.12	5.53
Palo Alto	347,644	114,960	33.07	17.73	1.81	0.22	0.82	7.37	5.12
Plymouth	542,100	209,570	38.66	22.15	1.63	0.10	0.28	9.28	5.22
Pocahontas	358,203	102,756	28.69	13.20	0.45	0.14	0.94	8.27	5.69
Sioux	471,046	147,291	31.27	17.57	1.73	0.03	0.17	6.60	5.17
For District	4,242,624	1,379,607	32.52	18.84	1.23	0.12	0.46	6.47	5.40
North Central—									
Butler	359,726	145,380	40.41	29.34	1.36	0.33	0.73	3.23	5.42
Cerro Gordo	346,091	126,474	36.54	24.71	0.91	0.25	1.24	3.92	5.51
Floyd	304,783	116,138	38.11	28.55	0.29	0.25	0.56	3.38	5.08
Franklin	362,258	125,033	34.52	23.12	0.49	0.21	0.46	4.72	5.52
Hancock	357,231	110,422	30.91	20.52	0.97	0.12	0.79	2.87	5.64
Humboldt	267,211	77,865	29.14	15.21	0.65	0.12	0.65	6.53	5.98
Kossuth	606,113	194,418	32.08	16.91	1.42	0.17	0.92	7.17	5.49
Mitchell	288,250	111,477	38.67	29.49	0.17	0.54	0.42	2.71	5.34
Winnebago	251,421	89,587	35.63	20.87	2.98	0.25	1.30	3.90	6.33
Worth	247,628	93,200	37.64	24.38	2.44	0.38	0.76	3.77	5.91
Wright	359,131	114,154	31.79	18.09	0.35	0.17	1.02	6.70	5.46
For District	3,749,843	1,304,148	34.78	22.43	1.06	0.24	0.80	4.68	5.57
Northeast—									
Allamakee	390,072	255,032	65.38	48.59	0.21	6.16	5.46	1.68	3.28
Black Hawk	345,333	149,816	43.38	30.50	0.75	0.32	1.23	5.47	5.11
Bremer	267,740	116,232	43.41	31.80	3.29	0.85	0.62	1.58	5.27
Buchanan	353,148	153,725	43.53	32.24	1.31	0.51	0.81	3.87	4.79
Chickasaw	304,546	138,770	45.57	35.81	1.82	0.33	0.66	1.80	5.15
Clayton	470,748	277,243	58.89	47.90	0.16	3.37	1.75	1.77	3.94
Delaware	351,425	158,099	44.99	35.37	0.64	1.03	1.59	1.88	4.48
Dubuque	367,291	198,986	54.18	43.51	0.13	3.53	2.19	1.50	3.32
Fayette	446,717	221,920	49.68	39.22	0.81	1.10	0.97	2.72	4.86
Howard	296,266	147,213	49.69	37.64	1.54	0.69	0.79	4.00	5.03
Winneshiek	430,396	229,814	53.40	42.43	0.58	2.04	2.03	1.72	4.60
For District	4,023,682	2,046,850	50.87	39.31	0.91	1.95	1.73	2.50	4.47
West Central—									
Audubon	280,875	124,792	44.43	32.33	0.19	0.42	0.47	5.80	5.22
Calhoun	354,487	100,861	28.45	15.03	0.12	0.02	0.34	7.67	5.27
Carroll	356,749	129,804	36.38	22.92	0.49	0.24	0.59	6.50	5.64
Crawford	448,140	203,954	45.51	30.36	0.53	0.21	0.67	8.46	5.28
Greene	353,404	117,318	33.20	20.10	0.28	0.17	0.31	7.46	4.88
Guthrie	367,947	194,694	52.91	38.81	0.30	0.53	1.44	7.03	4.80
Harrison	423,278	197,254	46.60	24.81	0.57	0.64	3.15	12.85	4.58
Ida	272,439	96,473	35.41	22.89	0.31	0.03	0.33	6.42	5.43
Monona	421,974	214,161	50.75	27.42	0.31	0.55	2.52	15.71	4.24
Sac	356,140	121,026	33.98	22.42	0.32	0.01	0.30	5.00	5.93
Shelby	371,293	150,335	40.49	28.22	0.25	0.16	0.56	6.32	4.98
Woodbury	526,872	232,090	44.05	22.71	0.46	1.24	1.24	13.69	4.71
For District	4,533,598	1,882,762	41.53	25.66	0.36	0.39	1.07	9.01	5.04

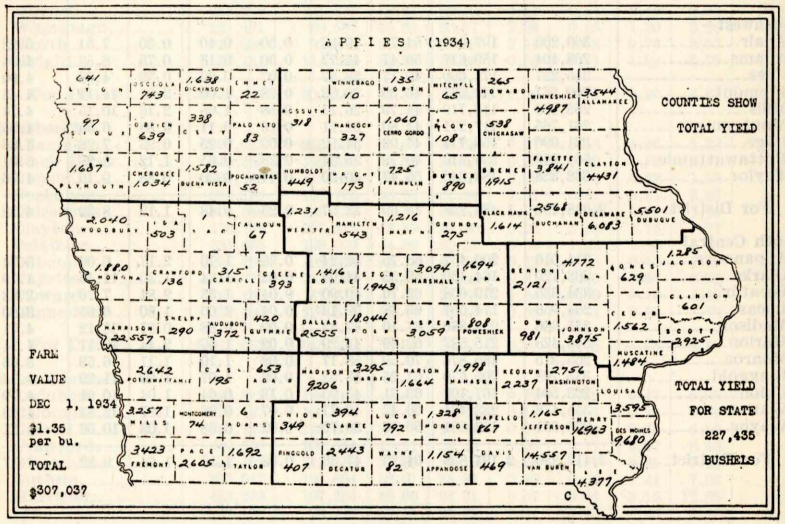
TABLE NO. 9—Continued

Districts and Counties	Total Acreage in Farms	Land Not in Crops		Pasture	Wild Hay	Timber, Wood Lots	Waste Land	Crop Land Idle	Bldgs., Feed Lots, Public Highways
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Central—									
Boone	347,505	128,120	36.87	24.06	0.58	0.33	0.64	6.11	5.15
Dallas	363,756	173,333	47.65	29.96	0.16	0.33	0.99	11.32	4.89
Grundy	315,072	126,294	40.08	25.01	0.62	0.01	0.11	8.71	5.62
Hamilton	360,316	114,358	31.74	17.96	0.36	0.16	0.86	7.20	5.20
Hardin	349,397	132,677	37.97	24.11	0.47	0.14	0.28	7.33	5.64
Jasper	448,257	244,132	54.46	40.40	0.01	0.28	0.64	8.31	4.82
Marshall	353,569	146,788	41.52	30.87	0.04	0.47	0.31	4.33	5.50
Polk	324,289	148,233	45.71	29.72	0.21	0.64	1.29	8.47	5.38
Poweshiek	366,402	220,253	60.11	48.30	0.03	0.53	0.30	6.56	4.39
Story	348,074	120,803	34.71	20.01	0.19	0.06	0.39	8.88	5.18
Tama	449,112	214,955	47.86	36.27	0.08	1.62	1.15	3.81	4.93
Webster	441,605	141,464	32.03	18.60	0.43	0.91	0.89	6.46	4.74
For District	4,467,354	1,911,410	42.79	29.07	0.26	0.49	0.67	7.21	5.09
East Central—									
Benton	443,005	188,989	42.66	30.83	0.18	0.54	0.51	5.48	5.12
Cedar	351,140	167,223	47.62	36.01	0.07	1.27	0.68	4.93	4.66
Clinton	422,961	198,036	46.82	36.69	0.21	1.01	0.97	3.57	4.37
Iowa	362,030	225,409	62.26	48.99	0.06	2.99	2.03	3.82	4.37
Jackson	390,276	252,196	64.62	55.79	0.14	1.17	1.62	2.86	3.04
Johnson	372,648	207,770	55.76	43.83	0.13	1.75	1.52	4.69	3.84
Jones	349,973	197,129	56.33	45.39	0.03	1.85	0.82	4.44	3.80
Linn	419,185	203,008	48.43	36.33	0.32	1.20	1.07	4.98	4.53
Muscatine	255,145	133,854	52.46	36.72	0.11	1.37	1.88	8.07	4.31
Scott	271,545	118,716	43.72	31.56	0.30	0.45	0.74	6.37	4.30
For District	3,637,908	1,892,330	52.02	40.33	0.16	1.35	1.16	4.77	4.25
Southwest—									
Adair	360,205	197,068	54.71	40.98	0.30	0.40	0.30	7.51	5.22
Adams	268,404	159,617	59.47	44.77	0.30	0.18	0.75	8.53	4.94
Cass	355,257	174,690	49.17	38.87	0.07	0.26	0.39	4.68	4.90
Fremont	309,361	143,521	46.39	23.53	0.28	1.00	3.01	14.14	4.43
Mills	265,033	118,719	44.79	26.11	0.58	1.05	2.16	10.15	4.74
Montgomery	261,765	117,271	44.80	32.21	0.10	0.11	0.88	6.55	4.95
Page	331,096	158,711	47.93	34.52	0.09	0.25	0.93	7.28	4.86
Pottawattamie	564,843	230,316	40.78	25.34	0.38	0.65	1.12	8.28	5.01
Taylor	332,328	184,345	55.47	40.20	0.14	0.30	0.88	9.19	4.76
For District	3,048,292	1,484,258	48.69	33.57	0.25	0.48	1.12	8.39	4.88
South Central—									
Appanoose	314,016	206,457	65.75	52.24	0.38	1.16	2.17	6.06	3.74
Clarke	263,729	164,430	62.35	44.04	0.02	1.34	1.30	11.46	4.19
Decatur	334,335	219,668	65.70	49.90	0.04	1.33	2.84	7.76	3.83
Lucas	264,956	174,567	65.88	52.13	0.04	2.06	1.80	6.05	3.80
Madison	355,986	238,880	67.10	47.33	0.09	0.88	0.97	13.12	4.71
Marion	344,428	215,587	62.59	44.29	0.02	1.59	2.44	10.11	4.14
Monroe	263,315	185,874	70.59	58.17	0.02	1.10	1.11	6.53	3.66
Ringgold	335,768	205,670	61.25	43.52	0.03	1.07	1.20	11.29	4.14
Union	263,594	167,407	63.51	45.95	0.18	0.64	1.04	10.91	4.79
Warren	351,472	233,434	66.42	46.21	0.07	0.98	1.87	12.81	4.48
Wayne	325,631	182,861	56.16	39.70	0.02	0.68	1.03	10.52	4.21
For District	3,417,230	2,194,835	64.23	47.36	0.08	1.16	1.64	9.82	4.17

TABLE NO. 9—Continued

Districts and Counties	Total Acreage in Farms	Land Not in Crops		Pasture	Wild Hay	Timber, Wood Lots	Waste Land	Crop Land Idle	Bldgs., Feed Lots, Public Highways
		Acres	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Southeast—									
Davis	313,896	210,031	66.91	51.77	0.01	2.43	1.97	7.19	3.54
Des Moines	249,668	139,949	56.05	41.15	-------	1.33	1.79	8.23	3.55
Henry	263,843	151,065	57.26	43.87	-------	0.42	0.39	8.21	4.37
Jefferson	267,134	157,252	58.87	44.35	0.00	0.63	1.00	9.15	3.74
Keokuk	356,993	209,629	58.72	42.50	0.01	0.98	1.50	9.21	4.52
Lee	302,040	188,045	62.26	50.65	0.01	1.73	1.78	4.76	3.33
Louisa	231,745	129,013	55.67	36.78	0.08	1.30	1.76	12.16	3.59
Mahaska	352,127	208,343	59.17	44.01	0.05	0.77	1.89	8.21	4.24
Van Buren	299,294	204,035	68.17	56.09	0.00	1.60	1.36	5.83	3.29
Wapello	256,970	160,693	62.53	45.76	0.01	1.70	2.35	8.88	3.83
Washington	353,050	207,080	58.66	43.92	0.01	1.34	1.15	7.99	4.25
For District	3,246,760	1,965,135	60.53	45.73	0.02	1.30	1.54	8.07	3.87
For State	34,367,291	16,061,335	46.73	32.81	0.50	0.81	1.10	6.72	4.79

Note: "0.00" indicates less than 0.01 per cent; blanks (----) indicate none.



JOHN A. HOPKINS, JR.

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU AND
BUREAU OF AGRICULTURAL ECONOMICS

In Co-operation with

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Average Yield Per Acre of

CORN, OATS and WINTER WHEAT

1890 to 1934

By Districts and Counties

(Reprint of part of Part XIV of the thirty-fifth Annual Iowa Year Book of Agriculture)

BULLETIN NO. 71

Published by
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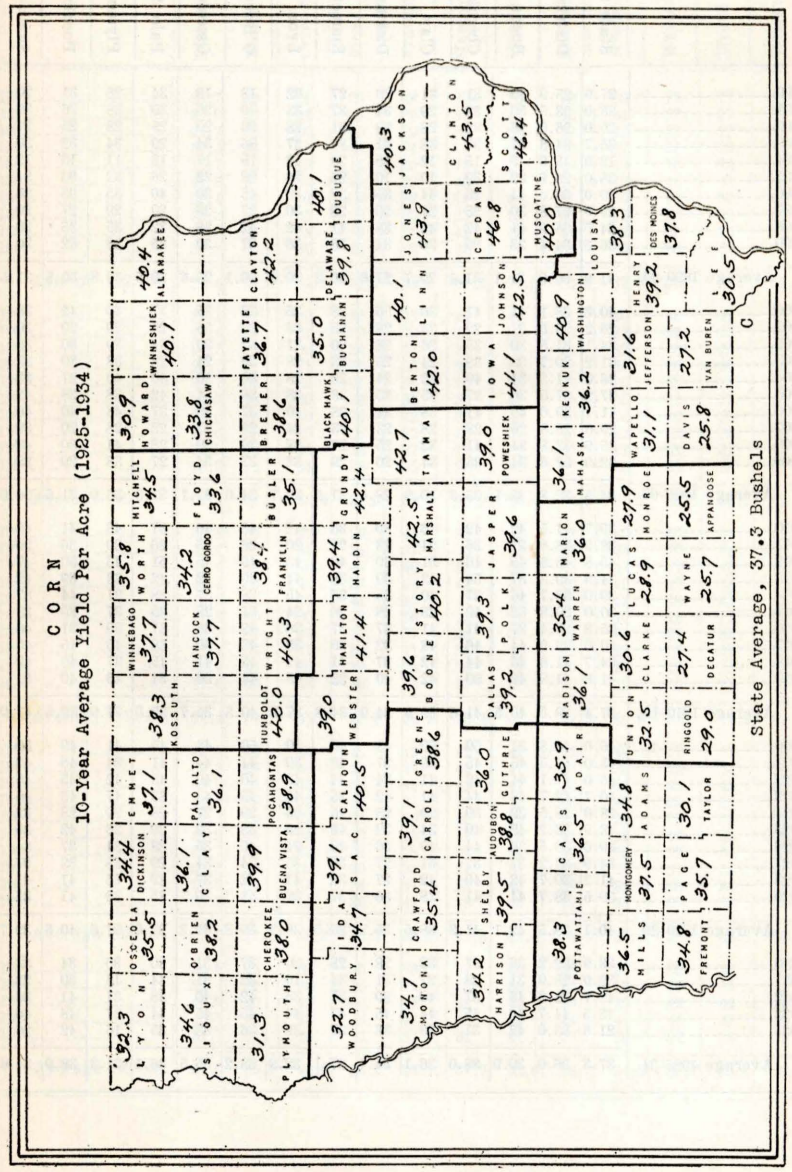
Yields of Corn, Oats and Winter Wheat in Iowa

Much interest has recently been manifested in the yield per acre of crops in each of the counties of Iowa over a long period of years as well as the last 10 years. Such data as exist relative to corn, oats and winter wheat, have been assembled in the following pages. In the earlier years the county figures were the averages of the monthly crop reporters, approximating one report for each township. Beginning with 1924 the assessors' reports were used and the averages were obtained by dividing the total bushels by the total acres in each county. This is equivalent to an annual census and since 1924 this has been comparable with the Federal Census. It may be a disappointment to the reader and research worker but in fairness it seems necessary to state that no great exactness can be claimed for yield figures in earlier years. At best they are made up of a summation of thousands of small estimates. However, in the last 11 years there has been close agreement in State averages between the reports of assessors and the reports of township crop reporters of the combined Federal-State Crop Reporting Service. In county figures there is necessarily greater disagreement for they are based on assessors' reports from 2,000 or more farms per county as against an average of about 15 estimates from township crop reporters for their vicinities. Such averages must vary somewhat according to the statistical methods used.

In more recent years, corn yields have, no doubt, been influenced by the testing of thousands of samples for moisture October 10 and November 20. Farmers and crop reporters have become "moisture conscious" and to an unknown extent try to make allowance for moisture so that the yield reported will be equivalent to drying down to standard market grade of No. 3 as much of the corn is actually dried and shrunken by natural causes before the assessor makes his rounds the following spring.

No doubt these refinements if continued will give farmers and research students better data for comparing one year with another than heretofore. A good example of faulty yield reports is shown in the figures for corn in 1917 which was a memorable "soft corn" year. Correspondents of the Iowa Weather and Crop Bureau reported the state average at 40.0 bushels per acre with no thought of "squeezing out" any of the water in the corn. More than half of this crop was so immature that it was seriously damaged by frost. Farmers reported that the feeding value of the crop was so poor that it took two bushels to be equivalent to one of normal condition. Undoubtedly this was partly due to a large moisture content for which no allowance was made and in the absence of moisture tests no allowance could be made. The Federal crop report of that year, before cooperation with the state began, gave the state average as 37.0 bushels while the assessors showed 35.8 which to some extent reflected the shrink in the crib by the time the assessor made his rounds the following spring. Correlation studies with weather and corn yield indicate that reduced to standard market grade No. 3, the yield of 1917 would be below the assessors' and other figures. Not all years of belated corn and large frost damage have large errors in yield as a result of moisture. Two-thirds of the corn was damaged by frost in 1924 but warm, dry weather that followed, dried the corn by husking time so that the yield of 28.0 bushels reported by township reporters of the combined service is probably close to the true yield. In fact, the State Census that year, working with assessors as enumerators, obtained an average yield of 28.03 bushels and the Federal Census with special enumerators none of whom were assessors found a yield of 28.37 bushels. The Federal Census determines corn yield from the acreage husked, giving no consideration to the acreage harvested by other methods which acreage might produce a larger or smaller yield per acre than the acreage husked. However, the three methods were in very close agreement and the judgment of the township crop reporters was nicely supported.

Oats, Iowa's second largest crop, are probably not subject to as much uncertainty in yield reports as corn. They are raised in every county of the State every year. Winter wheat is usually a minor crop in Iowa but being a bread grain, is always of interest. It is not raised in every county every year. If an average chances to be made up of little or no acreage in some years that have very poor or very good crops, that average is likely to be faulty.



IOWA CORN YIELDS, 1890-1934

Northwest District	State average	District average	Buena Vista	Cherokee	Clay	Dickinson	Emmet	Lyon	O'Brien	Osceola	Palo Alto	Plymouth	Pocahontas	Sioux
1890	27.9	25.9	30	31	31	26	27	22	18	13	34	28	31	20
1891	38.0	33.5	30	32	29	34	37	33	30	26	39	38	36	38
1892	29.0	26.9	28	32	28	28	31	28	23	20	25	28	25	27
1893	35.7	34.8	37	37	38	31	34	37	36	34	29	34	32	39
1894	12.0	13.9	9	15	12	15	20	12	15	17	13	11	16	12
1895	38.0	26.8	32	39	10	10	22	26	28	22	28	32	36	37
1896	39.0	36.6	41	25	44	35	32	39	45	30	40	35	35	38
1897	29.0	27.8	30	25	27	25	28	30	27	26	30	29	27	29
1898	34.5	38.9	41	42	42	38	41	42	42	38	32	35	35	39
1899	36.3	34.4	33	36	36	34	30	36	37	30	35	38	32	36
Average 1890-99	31.9	30.0	31.1	31.4	29.7	27.6	30.2	30.5	30.1	25.6	30.5	30.8	30.5	31.5
1900	40.3	38.1	41	41	36	36	38	35	38	35	37	40	42	38
1901	26.2	28.5	21	22	23	28	35	33	32	35	25	29	29	30
1902	34.1	31.8	30	35	26	28	30	31	33	30	34	39	30	35
1903	31.2	29.7	33	38	24	25	33	28	30	21	28	33	30	33
1904	36.0	31.3	31	40	33	24	30	28	30	30	30	40	27	33
1905	37.2	37.0	36	37	35	35	33	38	36	34	42	38	38	42
1906	41.1	39.6	45	41	38	34	38	40	37	36	37	43	40	46
1907	29.6	25.8	26	28	28	23	23	24	28	27	22	28	20	32
1908	35.9	33.8	34	41	32	25	27	38	39	29	28	41	30	42
1909	32.9	32.6	34	33	34	26	29	32	37	34	27	38	29	38
Average 1900-09	34.5	32.8	33.1	35.6	30.9	28.4	31.6	32.7	34.0	31.1	31.0	36.9	31.5	36.9
1910	39.7	41.5	42	42	46	39	36	42	45	40	37	43	41	45
1911	32.9	28.0	37	36	24	23	27	20	26	25	26	30	36	26
1912	45.8	45.8	45	46	51	39	40	43	49	45	51	43	50	47
1913	34.9	39.3	37	34	43	39	38	44	39	42	42	33	39	42
1914	39.0	38.7	46	37	40	35	36	45	38	37	38	31	44	37
1915	30.0	29.8	32	40	23	28	26	24	31	25	25	37	29	38
1916	35.3	38.4	37	41	41	37	37	36	43	36	37	39	31	46
1917	40.0	39.9	44	46	43	32	35	38	43	30	38	40	45	45
1918	34.7	41.6	43	44	42	37	41	42	45	41	45	37	40	42
1919	41.6	41.8	42	50	42	40	32	45	44	36	34	46	40	51
Average 1910-19	37.4	38.5	40.5	41.6	39.5	34.9	34.8	37.9	40.3	35.7	37.3	37.9	39.5	41.9
1920	46.0	46.8	51	50	50	43	40	49	50	43	45	41	49	50
1921	43.0	41.5	45	45	39	37	42	39	44	44	41	34	46	42
1922	45.0	41.1	44	42	41	34	34	43	40	40	43	42	45	45
1923	40.7	42.7	48	44	41	42	36	44	45	43	33	47	43	46
1924	28.0	28.5	32	30	29	28	25	25	29	27	28	29	28	32
1925	43.9	36.2	42	40	34	32	43	25	33	33	39	36	42	35
1926	39.0	36.5	36	44	40	36	40	24	40	35	38	34	37	34
1927	34.9	33.2	37	37	31	27	30	35	34	31	29	38	33	37
1928	41.2	39.7	42	40	42	37	38	41	42	37	39	36	41	41
1929	39.5	38.7	44	41	38	36	37	38	41	39	35	39	41	35
Average 1920-29	40.1	38.5	42.1	41.3	38.5	35.2	36.5	36.3	39.8	37.2	37.0	37.6	40.5	39.7
1930	33.9	32.2	36	37	32	28	28	30	37	31	30	30	34	33
1931	32.9	28.0	31	28	27	31	34	19	32	31	34	16	30	23
1932	42.7	38.2	43	37	40	39	37	35	42	40	38	31	41	36
1933	43.5	44.7	46	45	44	45	47	44	45	45	44	37	48	46
1934	21.6	33.0	42	31	33	33	37	32	36	33	35	16	42	26
Average 1925-34	37.3	36.0	39.9	38.0	36.1	34.4	37.1	32.3	38.2	35.5	36.1	31.3	38.9	34.6

IOWA CORN YIELDS, 1890-1934—Continued

North Central District	District average	Butler	Cerro Gordo	Floyd	Franklin	Hancock	Humboldt	Kossuth	Mitchell	Winnebago	Worth	Wright
1890	28.7	30	21	26	28	30	35	32	29	29	27	29
1891	36.0	36	34	35	39	37	41	42	34	32	27	39
1892	29.2	28	30	30	29	30	26	27	33	32	29	27
1893	34.5	33	35	33	34	32	37	30	37	36	36	37
1894	16.7	12	15	14	20	19	16	20	19	16	20	13
1895	41.8	31	38	36	48	46	40	42	40	46	47	46
1896	36.4	43	35	35	36	34	44	37	35	38	30	34
1897	28.3	34	28	32	25	27	28	30	28	26	26	27
1898	36.6	38	38	33	31	41	40	41	33	37	36	35
1899	35.8	34	37	40	36	35	38	33	35	30	41	35
Average 1890-99	32.4	31.9	31.1	31.4	32.6	33.1	34.5	33.4	32.3	32.2	31.9	32.2
1900	41.1	42	40	40	43	40	42	41	40	40	41	43
1901	27.4	24	27	20	30	38	32	35	22	27	20	26
1902	30.9	28	33	36	33	31	33	28	32	30	23	25
1903	28.2	28	31	28	33	30	36	22	25	20	32	25
1904	31.7	32	33	31	36	25	38	28	35	25	30	36
1905	36.5	38	39	38	38	35	42	35	35	32	37	33
1906	39.6	40	40	36	42	35	45	40	36	40	38	44
1907	23.6	23	25	23	22	20	30	25	22	22	20	28
1908	32.9	36	32	33	37	32	32	31	32	31	31	35
1909	33.2	32	34	33	35	34	34	33	33	33	33	31
Average 1900-09	32.4	32.3	33.4	31.8	34.9	32.0	36.4	31.8	31.2	30.0	30.5	32.6
1910	36.8	36	35	29	44	35	43	43	30	38	30	42
1911	32.2	40	33	34	37	26	28	28	34	29	34	31
1912	46.4	46	46	47	49	51	52	48	41	41	43	47
1913	40.3	36	43	36	42	41	41	40	40	42	42	40
1914	42.5	37	45	41	45	41	45	38	43	45	45	43
1915	17.8	15	20	12	26	13	27	20	10	19	12	22
1916	34.7	32	33	29	37	36	38	37	34	37	34	35
1917	37.4	34	41	32	41	38	46	43	27	35	37	38
1918	38.4	38	39	38	35	36	42	39	37	46	35	37
1919	37.6	30	38	38	33	37	40	39	42	39	37	41
Average 1910-19	36.4	34.4	37.3	33.6	38.9	35.4	40.2	37.5	33.8	37.1	34.9	37.6
1920	46.8	48	47	45	49	42	47	45	44	47	51	50
1921	39.3	36	37	39	42	40	47	41	38	39	34	39
1922	43.0	42	45	36	48	44	47	43	41	42	42	43
1923	34.8	38	35	35	38	33	38	36	40	25	25	40
1924	26.1	24	27	23	29	28	29	29	20	25	23	30
1925	44.9	43	44	42	48	44	52	44	42	44	43	48
1926	37.7	37	34	36	38	37	44	40	35	37	37	40
1927	31.1	30	30	29	34	31	34	32	28	31	28	35
1928	37.6	36	34	36	41	38	43	39	32	38	34	43
1929	38.2	37	36	36	41	38	43	37	36	39	36	41
Average 1920-29	37.9	37.1	36.9	35.7	40.8	37.5	42.4	38.6	35.6	36.7	35.3	40.9
1930	36.8	35	36	35	39	37	40	35	36	36	36	40
1931	25.7	22	20	16	21	32	30	35	19	34	26	28
1932	41.0	40	40	40	44	38	44	40	40	42	39	44
1933	45.7	40	43	43	47	48	49	44	48	44	47	50
1934	31.7	31	25	23	31	34	41	37	29	32	32	34
Average 1925-34	37.0	35.1	34.2	33.6	38.4	37.7	42.0	38.3	34.5	37.7	35.8	40.3

Northeast District	District average	Allamakee	Black Hawk	Bremer	Buchanan	Chickasaw	Clayton	Delaware	Dubuque	Fayette	Howard	Winneshiek
1890	32.9	38	30	30	38	29	43	35	27	29	27	36
1891	38.4	38	43	39	36	38	41	39	37	38	31	42
1892	26.1	31	24	25	20	25	28	25	28	23	30	28
1893	35.6	40	34	30	35	29	43	36	35	31	35	44
1894	13.0	16	11	8	10	12	15	11	20	12	14	14
1895	31.2	31	35	20	30	39	32	25	23	35	43	30
1896	40.9	56	40	42	42	32	47	38	42	36	32	43
1897	32.1	32	35	30	31	30	35	34	33	30	30	33
1898	36.3	35	41	37	35	35	37	36	40	34	31	38
1899	36.7	35	41	35	39	35	40	35	34	35	37	38
Average 1890-99	32.3	35.2	33.4	29.6	31.6	30.4	36.1	31.4	31.9	30.3	31.0	34.6
1900	41.0	43	42	42	42	38	43	41	43	39	38	40
1901	23.1	22	24	20	20	19	22	25	25	25	24	28
1902	30.7	27	28	25	30	30	32	30	40	32	31	33
1903	34.0	40	34	25	40	27	41	32	42	35	25	33
1904	35.1	37	37	36	33	35	37	37	39	30	26	39
1905	41.0	40	42	39	41	36	43	45	45	45	35	40
1906	42.0	46	45	45	43	37	45	45	40	42	36	38
1907	26.9	30	28	31	25	24	27	27	32	23	27	22
1908	35.0	32	40	37	34	35	40	34	40	33	27	33
1909	34.6	36	35	36	34	33	37	35	36	36	31	32
Average 1900-09	34.3	35.3	35.5	33.6	34.2	31.4	36.7	35.1	38.2	34.0	30.0	33.8
1910	33.7	32	41	34	38	28	40	32	32	31	29	34
1911	41.3	37	45	42	45	40	44	43	45	44	33	36
1912	44.6	48	49	43	40	54	48	45	42	39	38	45
1913	39.8	44	38	37	36	44	44	33	37	41	41	43
1914	40.9	46	38	45	42	34	46	41	35	45	36	42
1915	17.5	20	21	18	22	10	25	18	22	15	8	14
1916	31.2	37	36	30	27	29	34	28	34	33	23	32
1917	32.5	37	39	37	33	23	39	31	38	29	25	26
1918	37.1	46	38	38	38	30	43	30	42	40	23	40
1919	41.8	50	32	36	36	35	48	44	48	44	39	48
Average 1910-19	36.0	39.7	37.7	36.0	35.7	32.7	41.1	34.5	37.5	36.1	29.5	36.0
1920	44.9	47	44	50	41	39	49	42	49	47	36	50
1921	43.5	42	49	45	34	46	50	45	35	44	37	51
1922	45.5	55	47	45	45	40	52	40	47	49	39	42
1923	39.3	40	40	45	38	38	43	37	42	37	36	36
1924	23.5	23	26	25	19	21	27	24	27	23	22	21
1925	48.0	54	49	48	45	44	54	48	49	47	38	52
1926	38.3	38	42	42	35	36	43	39	40	36	30	40
1927	27.7	27	36	28	26	24	31	28	25	26	23	31
1928	39.2	41	41	40	36	34	44	43	44	36	31	41
1929	38.4	44	41	40	33	32	43	38	40	37	31	43
Average 1920-29	38.8	41.1	41.5	40.8	35.2	35.4	43.6	38.4	39.8	38.2	32.3	40.7
1930	38.0	39	38	38	34	35	45	40	40	38	32	39
1931	29.4	32	34	31	27	27	30	31	34	30	17	30
1932	43.0	47	46	44	40	38	47	45	41	43	36	46
1933	41.8	40	42	44	41	41	42	44	46	38	43	39
1934	36.0	42	32	31	33	27	43	42	42	36	28	40
Average 1925-34	38.0	40.4	40.1	38.6	35.0	33.8	42.2	39.8	40.1	36.7	30.9	40.1

West Central District	District average	Audubon	Calhoun	Carroll	Crawford	Greene	Guthrie	Harrison	Ida	Monona	Sac	Shelby	Woodbury
1890	28.2	25	36	36	27	25	23	23	29	27	31	26	30
1891	37.3	33	41	39	39	39	35	39	39	34	39	35	36
1892	30.3	36	25	29	37	29	31	34	30	25	25	33	29
1893	36.2	31	36	39	41	37	30	31	39	38	42	35	35
1894	9.0	6	8	6	6	8	6	9	16	15	9	9	10
1895	35.8	36	45	38	35	42	43	27	32	32	38	30	32
1896	35.8	32	34	34	42	27	31	38	31	42	40	45	34
1897	27.6	29	24	28	30	26	27	31	28	25	28	30	25
1898	33.8	30	30	29	33	32	32	31	39	40	38	35	37
1899	34.2	35	33	38	33	32	39	32	32	30	36	39	31
Average 1890-99	30.8	29.3	31.2	31.6	32.3	29.7	29.7	29.5	31.5	30.8	32.6	31.7	29.9
1900	39.4	37	43	40	39	38	37	38	40	38	43	40	40
1901	23.3	25	24	22	22	20	22	26	25	21	26	24	24
1902	33.1	33	35	33	30	31	36	32	35	34	35	30	33
1903	30.6	30	20	40	33	20	28	35	28	32	36	30	35
1904	37.1	35	33	41	36	41	33	38	37	36	34	40	41
1905	36.9	35	38	38	42	39	34	40	39	30	42	36	30
1906	41.2	44	42	42	44	40	39	40	42	41	35	40	45
1907	29.4	31	30	32	31	30	31	31	26	28	30	31	22
1908	36.4	35	36	38	39	41	43	30	38	30	39	34	34
1909	32.8	32	27	34	35	28	28	34	35	36	33	34	38
Average 1900-09	34.0	33.7	32.8	36.0	35.1	32.8	33.1	34.0	34.6	33.0	34.8	34.1	34.2
1910	39.8	40	42	41	41	41	33	36	44	40	43	36	40
1911	28.8	28	30	29	30	29	28	22	27	30	35	27	31
1912	44.9	41	51	46	52	46	45	42	48	42	46	41	39
1913	34.3	30	39	37	37	39	31	31	38	28	38	31	32
1914	41.3	43	44	42	45	44	41	40	46	35	45	44	27
1915	32.9	30	37	31	29	37	34	31	36	32	36	36	26
1916	37.3	38	36	39	46	33	34	36	34	33	38	46	35
1917	41.1	39	46	45	39	46	41	39	47	34	40	39	38
1918	31.4	29	40	38	28	37	26	18	35	30	38	21	37
1919	42.7	46	48	44	42	43	39	39	46	37	45	42	41
Average 1910-19	37.4	36.4	41.3	39.2	38.9	39.5	35.2	33.4	40.1	34.1	40.4	36.3	34.6
1920	44.0	41	49	51	45	46	40	42	45	39	49	41	40
1921	45.2	47	49	47	46	47	42	43	48	40	47	48	38
1922	42.8	43	49	45	38	50	44	46	39	38	48	41	32
1923	44.2	39	43	45	46	44	39	43	46	48	52	42	43
1924	28.5	29	28	28	26	29	27	28	31	27	32	29	28
1925	43.3	45	50	45	42	45	43	39	43	40	46	44	37
1926	40.0	42	38	42	43	42	41	38	33	42	40	43	36
1927	38.8	40	37	37	39	37	38	40	40	39	38	43	38
1928	41.0	43	42	44	39	45	42	39	38	37	45	43	35
1929	42.0	41	42	42	43	40	37	46	42	42	42	48	39
Average 1920-29	41.0	41.0	42.7	42.6	40.7	42.5	39.3	40.4	40.5	39.2	43.9	42.2	36.6
1930	31.7	34	33	33	32	29	28	31	31	28	32	36	33
1931	33.2	42	33	37	34	29	41	27	29	30	37	37	22
1932	42.3	45	45	41	42	44	43	41	39	40	42	48	37
1933	40.8	44	50	48	28	51	42	33	36	35	46	42	35
1934	16.4	12	35	22	12	24	5	8	16	14	23	11	15
Average 1925-34	36.9	38.8	40.5	39.1	35.4	38.6	36.0	34.2	34.7	34.7	39.1	39.5	32.7

IOWA CORN YIELDS, 1890-1934—Continued

Central District	District average	Boone	Dallas	Grundy	Hamilton	Hardin	Jasper	Marshall	Polk	Poweshiek	Story	Tama	Webster
1890	27.2	26	26	30	36	28	30	24	23	21	26	30	26
1891	41.3	43	41	43	40	37	44	41	43	44	38	42	40
1892	29.2	32	30	29	28	27	31	34	29	28	25	31	26
1893	37.2	36	39	36	42	32	39	39	37	38	34	36	39
1894	11.2	13	10	9	11	15	13	9	10	15	11	8	10
1895	43.9	50	50	41	47	43	47	36	42	41	47	37	46
1896	39.5	35	36	50	33	32	44	37	43	42	37	42	40
1897	29.9	31	30	33	28	27	31	31	29	30	31	32	26
1898	35.4	35	33	42	37	36	32	36	34	34	36	35	35
1899	39.2	40	42	40	41	38	45	38	41	38	38	34	35
Average 1890–99	33.4	34.1	33.7	35.3	34.6	31.5	35.6	32.5	33.1	33.1	32.3	32.7	32.3
1900	41.8	41	41	39	43	42	43	41	42	42	43	41	43
1901	29.1	26	27	30	30	32	30	33	25	32	25	33	26
1902	34.2	28	39	33	30	32	37	33	40	38	32	31	38
1903	33.0	26	35	40	25	31	35	42	38	35	30	34	25
1904	38.4	35	40	38	39	33	37	42	40	40	42	40	35
1905	39.7	38	38	43	40	38	39	39	39	34	41	45	42
1906	44.6	45	45	43	42	42	48	48	46	45	45	44	42
1907	29.5	29	32	25	28	24	30	30	32	32	30	31	31
1908	40.3	39	42	42	38	39	41	45	41	39	45	43	30
1909	33.2	27	33	36	29	35	33	36	35	34	34	36	30
Average 1900–09	36.4	33.4	37.2	36.9	34.4	34.8	37.3	38.9	37.8	37.1	36.7	37.8	34.2
1910	44.2	41	39	43	44	42	47	48	42	45	47	45	47
1911	37.3	34	31	38	38	38	39	41	32	42	36	44	35
1912	50.4	46	51	50	45	47	49	54	54	54	50	53	52
1913	38.8	38	34	43	43	43	34	42	34	34	40	39	42
1914	41.9	42	41	45	38	44	42	43	40	42	44	40	42
1915	34.5	38	40	32	27	22	35	40	38	36	35	37	34
1916	36.6	32	36	37	33	38	39	45	40	35	37	34	33
1917	42.9	40	46	41	45	45	40	43	43	46	48	40	38
1918	37.6	35	29	36	34	37	41	44	37	39	36	45	38
1919	43.6	44	48	38	45	41	42	46	46	45	42	42	44
Average 1910–19	40.8	39.0	39.5	40.3	39.2	39.7	40.8	44.6	40.6	41.8	41.5	41.9	40.5
1920	48.9	47	49	54	55	49	43	49	50	45	50	47	49
1921	45.2	46	49	42	45	45	45	43	46	45	42	47	48
1922	49.1	46	49	50	52	52	50	51	47	47	49	50	46
1923	42.2	43	42	39	40	38	43	45	45	43	43	42	43
1924	30.4	29	32	27	34	30	30	34	31	28	31	30	29
1925	47.5	46	45	50	50	47	47	49	46	46	47	50	47
1926	42.9	44	45	42	45	40	43	46	43	42	44	45	36
1927	39.2	37	43	40	37	36	42	44	40	39	37	42	34
1928	44.7	45	48	43	47	44	45	44	45	44	43	44	44
1929	42.2	42	42	43	45	42	41	43	40	41	42	43	42
Average 1920–29	43.2	42.5	44.4	43.0	45.0	42.3	42.9	44.8	43.3	42.0	42.8	44.0	41.8
1930	34.0	29	27	41	35	36	36	35	30	39	28	38	34
1931	38.9	39	43	37	34	29	44	41	44	46	42	41	27
1932	45.9	45	44	49	42	45	47	48	45	47	46	48	45
1933	47.7	50	49	48	52	47	42	49	48	39	51	48	49
1934	20.6	19	6	31	27	28	9	26	12	7	22	28	32
Average 1925–34	40.4	39.6	39.2	42.4	41.4	39.4	39.6	42.5	39.3	39.0	40.2	42.7	39.0

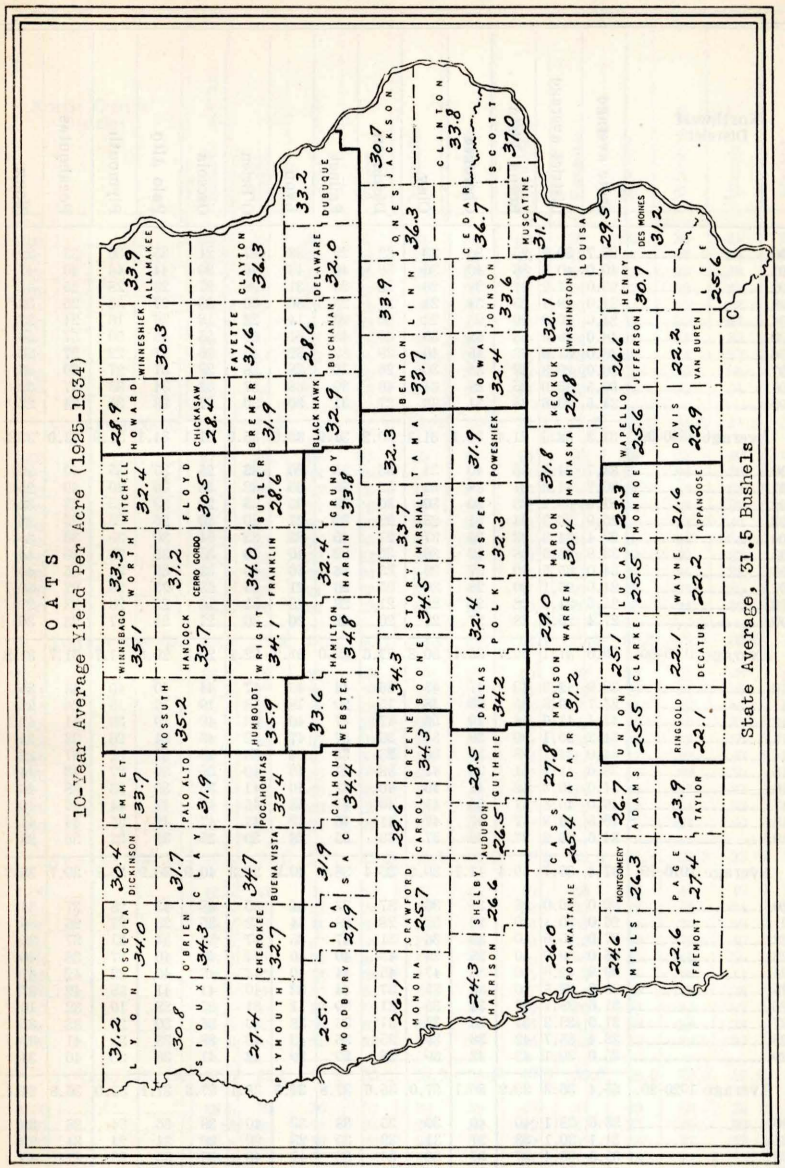
IOWA CORN YIELDS, 1890-1934—Continued

East Central District	District average	Benton	Cedar	Clinton	Iowa	Jackson	Johnson	Jones	Linn	Muscatine	Scott
1890	32.7	28	36	43	24	26	33	40	31	30	36
1891	44.4	42	45	44	45	44	42	42	49	47	44
1892	28.1	31	25	32	31	28	29	23	25	27	30
1893	37.7	35	36	44	36	35	38	45	41	33	34
1894	18.6	12	22	15	16	24	20	21	19	17	20
1895	36.8	36	40	32	26	30	50	37	30	44	33
1896	47.4	38	50	55	50	40	42	50	50	51	48
1897	33.6	35	35	35	30	32	33	34	35	34	33
1898	33.2	30	35	33	37	36	34	30	37	30	30
1899	39.1	39	44	37	33	41	42	45	34	40	36
Average 1890–99	35.2	32.6	36.8	37.0	33.8	33.6	36.3	36.7	35.1	35.3	34.4
1900	41.7	42	41	42	42	41	42	43	42	40	42
1901	26.3	30	31	28	23	25	25	26	22	25	28
1902	35.8	35	40	33	30	36	40	40	28	42	34
1903	36.1	32	41	35	39	33	38	35	32	35	41
1904	39.7	33	42	42	41	40	42	40	34	40	43
1905	41.8	42	45	42	43	41	42	43	44	33	43
1906	43.4	47	48	45	40	35	46	45	43	42	43
1907	32.3	30	33	35	32	33	33	33	30	32	32
1908	39.0	42	40	39	39	36	40	36	39	41	38
1909	36.4	36	36	37	35	37	36	37	36	37	37
Average 1900–09	37.2	36.9	39.7	37.8	36.4	35.7	38.4	37.8	35.0	36.7	38.1
1910	39.1	40	40	36	42	34	39	36	35	46	43
1911	44.9	46	44	46	44	43	44	44	46	46	46
1912	49.4	51	54	52	51	42	44	48	46	52	54
1913	35.7	39	37	34	33	40	30	40	34	34	36
1914	43.2	44	46	46	37	46	41	44	43	42	43
1915	32.2	32	30	31	34	35	37	20	28	35	40
1916	35.8	33	38	35	31	37	38	30	37	39	40
1917	44.6	41	48	43	45	45	47	45	39	43	50
1918	44.7	43	51	44	33	48	48	45	42	43	50
1919	45.4	43	47	47	46	44	45	45	46	43	48
Average 1910–19	41.5	41.2	43.5	41.4	39.6	41.4	41.3	39.7	39.6	42.3	45.0
1920	48.3	49	51	51	43	48	51	50	44	44	52
1921	45.8	45	44	45	46	48	47	51	42	42	48
1922	47.2	49	51	42	45	47	47	50	48	45	48
1923	41.3	40	44	40	41	42	43	43	38	41	41
1924	28.2	26	30	29	30	27	31	22	23	31	33
1925	52.0	51	57	52	51	50	54	54	50	51	50
1926	42.5	43	45	41	45	41	45	41	41	39	44
1927	35.0	40	37	34	39	27	34	34	33	32	40
1928	44.6	44	49	45	44	42	45	45	42	41	49
1929	41.7	42	44	42	42	41	42	44	38	37	45
Average 1920–29	42.7	42.9	45.2	42.1	42.6	41.3	43.9	43.4	39.9	40.3	45.0
1930	40.3	39	46	40	40	38	41	41	36	38	44
1931	39.9	40	45	37	43	34	43	38	38	39	42
1932	50.0	48	55	51	50	45	50	50	46	49	56
1933	48.1	47	54	50	43	46	48	49	44	46	54
1934	32.5	26	36	43	14	39	23	43	33	28	40
Average 1925–34	42.7	42.0	46.8	43.5	41.1	40.3	42.5	43.9	40.1	40.0	46.4

Southwest District	District average	Adair	Adams	Cass	Fremont	Mills	Montgomery	Page	Pottawattamie	Taylor
1890	26.1	23	28	37	23	26	17	26	26	29
1891	32.6	31	29	32	34	34	33	35	35	30
1892	32.3	29	32	32	31	38	33	53	36	27
1893	36.2	36	36	33	34	37	39	38	35	38
1894	9.5	6	14	9	8	10	7	5	10	17
1895	43.8	46	47	32	50	43	48	47	37	44
1896	41.6	42	45	37	48	40	43	45	39	35
1897	26.9	25	24	26	25	30	26	28	30	28
1898	29.6	25	25	29	28	27	33	36	33	30
1899	37.8	45	41	38	28	38	42	33	39	36
Average 1890-99	31.6	30.8	32.1	30.5	30.9	32.3	32.1	32.6	32.0	31.4
1900	38.3	37	41	41	35	36	38	40	39	38
1901	26.1	23	26	28	25	25	26	24	28	30
1902	36.0	30	38	35	38	40	38	32	40	33
1903	28.8	25	25	28	30	31	32	28	32	28
1904	33.6	36	30	35	35	35	35	31	40	25
1905	37.1	35	41	34	40	33	37	40	35	39
1906	40.2	42	45	35	40	41	40	42	40	37
1907	32.7	32	35	30	33	30	35	34	32	33
1908	31.4	39	30	36	28	34	30	27	31	28
1909	31.1	30	26	33	35	33	33	33	34	23
Average 1900-09	33.5	32.9	33.7	33.5	33.9	33.8	34.4	33.1	35.1	31.4
1910	39.2	43	44	38	44	37	39	35	36	37
1911	23.2	25	26	21	19	22	23	26	21	26
1912	41.0	42	44	38	36	39	43	45	39	43
1913	28.0	30	25	29	25	28	30	27	31	27
1914	34.7	37	29	38	37	35	38	34	36	28
1915	33.1	35	30	36	39	31	35	30	33	29
1916	35.8	30	35	38	39	37	39	38	33	33
1917	37.9	38	33	39	40	40	40	38	40	33
1918	16.1	14	7	12	21	18	17	17	21	18
1919	39.8	40	34	43	42	40	41	38	40	40
Average 1910-19	32.9	33.4	30.7	33.2	34.2	32.7	34.5	32.8	33.0	31.4
1920	44.2	43	42	44	52	49	44	43	45	36
1921	41.2	44	41	41	40	40	38	41	43	43
1922	45.3	42	45	46	44	48	43	48	45	47
1923	37.0	36	38	36	34	37	35	38	40	39
1924	27.8	26	26	28	26	30	30	30	30	24
1925	42.7	44	42	45	44	40	42	46	43	38
1926	37.6	37	38	36	38	38	41	39	39	32
1927	39.0	38	38	38	39	40	42	40	43	33
1928	41.1	44	40	39	41	42	40	42	44	38
1929	38.1	35	35	40	37	45	42	35	48	26
Average 1920-29	39.4	38.5	38.5	39.3	39.5	40.9	39.7	40.2	42.0	35.6
1930	33.7	34	36	36	32	35	36	30	36	28
1931	32.7	39	31	39	30	33	35	30	34	23
1932	43.4	43	40	45	44	43	47	46	44	39
1933	44.2	43	46	44	41	45	46	46	46	41
1934	3.2	2	2	3	2	4	4	3	6	3
Average 1925-34	35.6	35.9	34.8	36.5	34.8	36.5	37.5	35.7	38.3	30.1

South Central District	District average	Appanoose	Clarke	Decatur	Lucas	Madison	Marion	Monroe	Ringgold	Union	Warren	Wayne
1890	24.7	24	22	33	17	27	19	18	34	28	19	31
1891	34.8	31	34	23	38	39	46	43	24	33	45	27
1892	29.7	27	27	27	31	31	31	29	33	34	31	26
1893	34.5	30	36	35	32	38	37	33	36	35	33	35
1894	9.8	12	10	10	9	6	10	9	11	11	11	9
1895	42.6	38	42	48	43	37	39	40	46	47	44	45
1896	39.3	38	35	37	41	41	49	39	35	36	44	36
1897	24.7	25	22	24	23	29	28	24	22	22	30	23
1898	33.1	33	32	32	40	31	32	39	31	28	30	36
1899	32.5	27	35	31	26	40	33	26	36	41	36	26
Average 1890-99	30.6	28.5	29.5	30.0	30.0	31.9	32.4	30.0	30.8	31.5	32.3	29.4
1900	39.6	36	38	40	38	40	42	40	41	42	41	38
1901	23.5	18	23	23	22	23	20	23	28	30	26	22
1902	36.7	35	35	36	34	34	36	40	38	38	38	40
1903	26.4	25	21	24	27	35	31	25	25	25	31	22
1904	33.2	33	32	32	30	40	39	37	25	29	40	28
1905	33.6	32	34	36	29	38	31	30	35	35	33	37
1906	37.7	34	36	36	37	44	43	36	36	38	42	33
1907	32.5	28	35	34	33	33	33	30	33	35	30	33
1908	33.1	30	34	32	32	41	38	31	33	28	34	31
1909	23.5	26	20	18	20	29	33	25	19	21	26	21
Average 1900-09	32.0	29.7	30.8	31.1	30.2	35.7	34.6	31.7	31.3	32.1	34.1	30.5
1910	36.5	39	32	38	32	40	37	36	38	42	33	34
1911	25.4	27	23	22	25	24	35	26	25	26	21	25
1912	44.1	38	44	42	45	50	50	45	38	45	49	39
1913	25.1	24	24	27	26	29	28	18	24	25	26	25
1914	31.1	35	23	30	31	37	38	26	30	27	30	35
1915	29.7	34	29	28	28	31	38	26	25	28	35	25
1916	29.2	25	28	26	29	36	38	22	28	32	32	25
1917	37.8	37	39	34	39	34	43	42	35	36	41	36
1918	24.1	28	24	18	30	16	31	29	17	21	27	24
1919	36.4	37	33	33	36	41	41	37	36	33	40	34
Average 1910-19	31.9	32.4	29.9	29.8	32.1	33.8	37.9	30.7	29.6	31.5	33.4	30.2
1920	41.5	41	40	38	39	49	46	39	40	39	45	41
1921	40.3	35	42	35	36	48	40	43	39	41	44	40
1922	45.2	42	43	42	47	49	47	45	46	47	46	43
1923	37.0	38	35	36	36	34	40	37	36	37	36	42
1924	25.8	24	25	22	29	27	32	27	20	22	32	24
1925	40.0	37	39	39	38	43	43	38	41	40	42	40
1926	34.2	27	36	30	33	40	41	32	32	37	40	28
1927	28.8	22	28	25	25	37	37	24	30	34	34	21
1928	39.1	32	41	34	39	46	45	38	36	40	45	34
1929	31.5	26	33	28	34	33	39	32	27	31	37	27
Average 1920-29	36.3	32.4	36.2	32.9	35.6	40.6	41.0	35.5	34.7	36.8	40.1	34.0
1930	26.1	21	25	22	25	32	33	23	25	31	29	21
1931	33.9	29	35	33	33	40	41	32	29	28	40	33
1932	36.2	33	34	28	35	44	44	35	33	40	42	30
1933	32.9	24	34	32	26	45	36	24	35	42	43	21
1934	1.8	4	1	3	1	1	1	1	2	2	2	2
Average 1925-34	30.4	25.5	30.6	27.4	28.9	36.1	36.0	27.9	29.0	32.5	35.4	25.7

Southeast District	District average	Davis	Des Moines	Henry	Jefferson	Keokuk	Lee	Louisa	Mahaska	Van Buren	Wapello	Washington
1890	24.7	24	27	30	25	25	30	28	16	25	21	21
1891	42.9	39	40	51	42	45	32	48	43	41	43	48
1892	29.5	29	29	33	29	28	25	33	33	29	27	29
1893	35.4	33	32	36	35	38	32	35	36	36	36	40
1894	17.7	15	21	20	19	21	16	17	17	14	16	19
1895	43.6	47	40	51	43	49	37	38	41	46	43	45
1896	43.2	41	45	42	45	49	32	45	46	40	45	45
1897	28.5	23	33	29	31	29	27	27	30	27	27	30
1898	33.3	32	35	39	34	35	29	31	36	30	32	33
1899	32.5	29	30	35	33	38	25	34	37	27	30	40
Average 1890-99	33.1	31.2	33.2	36.6	33.6	35.7	28.5	33.6	33.5	31.5	32.0	35.0
1900	38.4	38	37	40	38	42	35	37	40	38	38	39
1901	24.3	19	22	28	28	23	25	25	25	23	25	24
1902	38.8	40	36	40	40	40	43	35	35	43	35	40
1903	29.1	25	22	30	31	28	30	28	32	28	31	35
1904	39.7	35	38	43	43	37	35	40	40	42	41	43
1905	31.8	25	35	34	30	30	31	39	30	31	31	34
1906	38.3	35	36	40	35	39	40	35	42	43	38	38
1907	33.3	33	35	34	35	35	35	33	32	32	30	32
1908	33.9	27	35	38	38	39	32	36	34	26	28	40
1909	31.3	28	32	32	29	34	35	32	33	32	25	32
Average 1900-09	33.9	30.5	32.8	35.9	34.7	34.7	34.1	34.0	34.3	33.8	32.2	35.7
1910	40.8	43	45	45	46	42	41	14	43	44	42	44
1911	35.6	22	42	43	31	42	31	41	35	33	28	44
1912	44.8	36	48	39	48	48	48	39	48	41	51	47
1913	28.6	24	28	28	38	29	27	30	28	25	28	30
1914	31.8	32	30	28	34	27	31	32	42	27	35	32
1915	35.4	24	43	40	35	36	37	40	37	36	26	35
1916	31.3	27	28	33	34	33	26	38	35	28	27	35
1917	40.1	34	47	42	35	45	44	41	47	38	36	32
1918	41.1	34	50	45	42	43	41	45	36	39	32	45
1919	41.1	37	46	42	35	43	36	44	46	35	44	44
Average 1910-19	37.1	31.3	40.7	38.5	37.8	38.8	36.2	36.4	39.7	34.6	34.9	38.8
1920	44.8	40	52	47	40	48	42	48	47	40	43	46
1921	43.0	39	46	41	41	46	44	45	44	41	42	44
1922	46.6	46	50	49	44	45	46	50	48	44	44	47
1923	40.0	41	40	41	40	41	38	38	42	44	35	40
1924	30.4	25	35	36	29	28	34	31	31	26	28	32
1924	42.5	34	45	45	42	44	39	50	45	35	40	48
1926	37.2	31	39	40	35	41	34	39	41	30	37	42
1927	28.2	21	31	34	25	32	22	29	37	20	25	34
1928	40.0	30	46	46	37	42	37	43	44	32	38	45
1929	35.8	30	39	41	34	40	31	37	40	28	33	41
Average 1920-29	38.9	33.7	42.3	42.0	36.7	40.7	36.7	41.0	41.9	34.0	36.5	41.9
1930	29.9	20	34	34	26	33	27	34	33	24	26	38
1931	35.4	27	39	42	32	38	31	39	39	29	32	41
1932	43.1	32	49	50	41	45	39	48	44	35	39	52
1933	38.7	29	40	46	39	40	35	42	36	34	37	48
1934	9.9	4	16	14	5	7	10	22	2	5	4	20
Average 1925-34	34.1	25.8	37.8	39.2	31.6	36.2	30.5	38.3	36.1	27.2	31.1	40.9



IOWA OAT YIELDS, 1890-1934

Northwest District	State average	District average	Buena Vista	Cherokee	Clay	Dickinson	Emmet	Lyon	O'Brien	Osceola	Palo Alto	Plymouth	Pocahontas	Sioux
1890	28.7	30.2	25	36	33	32	29	33	27	21	35	30	33	29
1891	40.0	40.8	36	40	36	36	40	43	46	39	44	43	40	47
1892	25.0	27.2	27	29	26	23	28	31	28	27	23	28	25	31
1893	24.0	28.4	25	34	24	27	25	30	30	28	27	33	25	33
1894	24.0	20.9	19	25	22	22	20	14	22	18	26	16	24	23
1895	48.0	49.8	55	58	35	30	45	51	60	55	45	50	57	56
1896	26.0	31.9	32	15	40	39	32	32	45	36	37	22	27	26
1897	30.0	29.8	32	35	30	26	30	28	28	28	37	27	29	28
1898	32.5	35.9	35	38	34	40	39	38	37	32	34	35	37	32
1899	34.5	30.5	28	31	33	27	31	30	30	27	33	35	33	28
Average 1890–99	31.3	32.5	31.4	34.1	31.3	30.2	31.9	33.0	35.3	31.1	34.1	31.9	33.0	33.3
1900	34.7	34.7	43	40	31	33	35	36	33	25	35	35	40	30
1901	30.2	34.3	37	38	32	32	35	35	32	36	30	40	40	25
1902	31.0	33.2	33	30	30	36	33	35	38	29	33	35	33	33
1903	25.9	26.3	24	31	25	22	33	27	30	20	26	25	25	28
1904	29.4	34.3	32	35	37	27	45	33	33	34	30	35	36	35
1905	33.8	36.5	38	42	36	35	32	40	30	35	35	35	40	40
1906	34.0	35.5	40	37	35	25	36	36	40	33	35	34	35	40
1907	24.5	26.1	30	28	30	25	26	21	25	28	23	25	22	30
1908	25.5	24.6	22	26	25	21	23	23	31	26	22	26	23	27
1909	27.4	25.9	28	27	27	20	22	26	30	27	24	27	23	30
Average 1900–09	29.6	31.1	32.7	33.4	30.8	27.6	32.0	31.2	32.2	29.3	29.3	31.7	31.7	31.8
1910	38.9	42.3	43	47	43	36	44	45	47	44	40	40	43	35
1911	25.7	19.8	25	23	18	15	20	18	18	19	16	18	26	22
1912	44.4	47.6	44	49	55	47	47	46	53	49	49	39	51	42
1913	34.2	35.1	30	30	38	36	37	47	32	43	34	26	33	35
1914	34.0	34.1	38	37	36	28	33	34	35	35	33	31	37	32
1915	38.6	41.8	41	38	41	38	41	45	40	55	39	37	43	44
1916	37.0	40.3	42	47	40	40	41	40	41	35	39	35	38	46
1917	46.0	45.8	47	55	41	40	41	53	45	47	42	44	46	49
1918	40.5	43.8	47	47	47	41	45	43	43	47	42	35	44	44
1919	34.6	36.2	37	38	37	33	35	38	39	35	35	33	36	38
Average 1910–19	37.4	38.7	39.4	41.1	39.6	35.4	38.4	40.9	39.3	40.9	36.9	33.8	39.7	38.7
1920	39.0	36.0	38	37	36	37	38	34	35	38	43	28	37	31
1921	26.0	30.4	30	32	32	28	28	34	32	35	25	27	26	36
1922	37.0	35.0	40	33	36	31	37	35	37	34	34	31	37	35
1923	36.0	39.9	40	38	39	43	40	40	44	40	40	37	38	40
1924	39.8	42.6	46	38	47	45	44	40	44	46	46	32	42	41
1925	39.2	38.8	46	36	35	37	44	32	40	41	41	35	42	37
1926	31.6	28.7	33	34	35	31	39	11	31	25	38	19	32	16
1927	31.9	33.3	34	33	32	31	33	38	36	35	30	30	33	35
1928	38.4	38.7	42	38	39	35	36	43	40	38	38	35	41	39
1929	35.0	39.1	43	42	39	38	39	39	42	41	36	36	40	34
Average 1920–29	35.4	36.3	39.2	36.1	37.0	35.6	37.8	34.6	38.1	37.3	37.1	31.0	36.8	34.4
1930	36.6	38.1	40	40	39	35	38	39	40	39	36	34	38	39
1931	31.1	30.1	33	27	31	33	35	23	29	30	34	24	34	28
1932	35.3	36.4	37	37	36	30	32	41	40	39	35	33	37	40
1933	22.9	19.9	19	21	14	17	20	24	23	29	15	17	20	20
1934	12.6	18.8	20	19	17	17	21	22	22	23	16	11	17	20
Average 1925–34	31.5	32.2	34.7	32.7	31.7	30.4	33.7	31.2	34.3	34.0	31.9	27.4	33.4	30.8

IOWA OAT YIELDS, 1890-1934—Continued

North Central District	District average	Butler	Cerro Gordo	Floyd	Franklin	Hancock	Humboldt	Kossuth	Mitchell	Winnebago	Worth	Wright
1890	30.5	32	30	27	29	31	32	36	30	35	24	29
1891	41.5	40	39	40	42	41	42	45	41	47	38	41
1892	25.3	24	25	26	28	27	27	25	19	22	28	27
1893	24.5	24	26	22	25	22	28	26	27	22	21	27
1894	30.5	20	28	28	28	33	23	40	36	36	42	22
1895	50.3	42	46	44	53	49	50	55	46	59	51	58
1896	30.7	31	25	28	30	30	30	32	32	36	35	29
1897	30.6	36	29	31	29	27	32	38	28	24	33	30
1898	36.1	39	38	35	34	35	39	38	33	35	36	35
1899	35.9	38	33	38	38	36	40	35	35	30	34	38
Average 1890–99	33.6	32.6	31.9	31.9	33.6	33.1	34.3	37.0	32.7	34.6	34.2	33.6
1900	37.9	30	38	41	40	36	40	40	38	33	40	41
1901	31.4	30	28	28	33	40	38	30	27	28	30	33
1902	32.8	30	30	35	31	32	32	34	32	40	35	30
1903	26.3	25	28	26	29	25	32	24	23	22	31	24
1904	32.3	28	30	30	35	28	35	34	34	28	40	33
1905	34.0	30	33	35	40	33	36	34	36	33	36	28
1906	33.4	28	32	33	36	31	40	35	30	30	37	35
1907	24.2	22	23	24	26	21	31	23	25	25	21	25
1908	26.3	30	24	28	31	25	27	27	26	21	25	25
1909	26.4	26	22	22	29	23	30	26	30	24	30	28
Average 1900–09	30.5	27.9	28.8	30.2	33.6	29.4	34.1	30.7	30.1	28.4	32.5	30.2
1910	36.2	32	33	28	39	38	40	42	36	39	28	43
1911	25.4	27	26	28	29	22	25	22	26	21	25	28
1912	45.6	45	48	38	41	56	48	50	44	48	45	39
1913	34.1	29	38	29	38	33	35	37	36	35	33	32
1914	34.5	30	35	31	37	32	39	35	39	35	36	31
1915	38.7	33	41	34	42	38	42	42	41	39	36	38
1916	35.6	32	35	30	42	34	37	44	36	39	30	33
1917	43.0	42	45	39	48	40	47	48	39	45	37	43
1918	41.6	35	40	36	42	44	47	42	49	44	39	39
1919	33.4	29	30	29	33	35	38	34	38	34	30	37
Average 1910–19	36.8	33.4	37.1	32.2	39.1	37.2	39.8	39.6	38.4	37.9	33.9	36.3
1920	42.5	41	41	39	47	48	40	40	43	47	40	42
1921	25.6	25	23	24	23	28	29	25	28	28	24	25
1922	38.7	38	41	40	42	32	36	39	41	38	39	40
1923	37.5	31	37	34	38	37	40	40	39	39	40	38
1924	46.2	36	51	40	43	49	46	48	44	50	55	46
1925	42.5	37	42	38	44	42	45	43	44	46	44	42
1926	36.0	30	35	34	35	37	37	39	39	38	38	34
1927	34.5	31	32	32	37	35	38	36	35	35	33	36
1928	39.4	33	36	37	42	39	46	41	39	38	38	44
1929	36.6	31	34	33	38	38	43	39	34	39	33	41
Average 1920–29	38.0	33.3	37.2	35.1	38.9	38.5	40.0	39.0	38.6	39.8	38.4	38.8
1930	38.5	33	36	37	39	39	40	41	40	39	39	40
1931	2.85	23	24	24	26	33	32	37	23	35	30	27
1932	35.8	32	36	36	38	32	39	36	38	37	33	37
1933	25.3	27	27	26	30	25	21	19	24	22	29	28
1934	13.8	9	10	8	11	17	18	21	8	22	16	12
Average 1925–34	33.1	28.6	31.2	30.5	34.0	33.7	35.9	35.2	32.4	35.1	33.3	34.1

Northeast District	District average	Allamakee	Black Hawk	Bremer	Buchanan	Chickasaw	Clayton	Delaware	Dubuque	Fayette	Howard	Winneshiek
1890	29.5	28	32	30	32	30	33	28	27	24	30	31
1891	38.4	38	46	43	41	37	44	39	36	38	35	25
1892	28.2	28	29	28	32	27	28	26	25	29	29	29
1893	28.4	33	27	23	22	25	35	27	30	29	30	31
1894	28.9	30	23	22	30	32	37	29	24	30	33	28
1895	41.4	40	44	40	45	49	47	27	22	43	50	48
1896	33.7	34	35	36	41	31	37	31	30	32	33	31
1897	31.2	25	33	29	28	32	37	36	32	30	32	29
1898	24.5	25	35	38	33	38	38	35	36	34	32	35
1899	56.3	30	43	35	40	33	41	37	35	36	35	34
Average 1890-99	33.0	31.1	34.7	32.4	34.4	33.4	37.7	31.5	29.7	32.5	33.9	32.1
1900	34.8	35	38	28	33	37	40	32	32	35	35	38
1901	29.6	30	33	32	26	28	34	30	30	30	23	30
1902	30.6	25	30	30	32	32	28	32	35	31	30	32
1903	26.6	30	28	24	25	26	28	28	24	25	30	25
1904	33.9	35	29	35	33	40	34	33	40	31	30	33
1905	37.4	35	34	40	40	33	40	40	40	41	33	35
1906	53.2	36	33	34	35	26	35	36	35	32	30	33
1907	22.9	25	26	28	20	23	23	22	22	21	22	20
1908	27.6	27	31	30	28	27	28	30	28	30	23	22
1909	31.0	38	34	29	31	23	28	29	40	32	28	29
Average 1900-09	30.8	31.6	31.6	31.0	30.3	29.5	31.8	31.2	32.6	30.8	28.4	29.7
1910	35.5	36	34	35	45	37	40	29	36	36	27	35
1911	30.7	29	34	32	33	29	31	30	32	32	27	29
1912	59.3	45	46	36	39	42	37	36	36	35	42	38
1913	34.4	39	36	36	34	32	35	30	32	35	34	35
1914	32.4	31	33	35	36	29	33	34	36	35	28	27
1915	38.8	44	39	41	43	27	42	39	40	44	30	38
1916	35.0	40	38	36	36	30	37	30	38	37	25	38
1917	44.9	45	53	44	48	40	46	47	45	46	38	42
1918	40.5	41	44	39	42	45	38	42	43	47	25	40
1919	33.0	39	37	33	37	26	35	31	29	35	25	36
Average 1910-19	36.4	38.9	39.4	36.7	39.3	33.7	37.4	34.8	36.7	38.2	30.1	35.8
1920	38.4	43	39	37	38	38	44	32	35	39	40	38
1921	23.9	25	25	23	22	21	27	24	28	24	21	23
1922	39.7	41	39	44	32	42	44	34	41	39	40	41
1923	34.3	33	38	36	34	34	35	32	34	34	38	29
1924	38.7	35	38	40	37	37	44	40	37	41	40	37
1925	43.5	45	43	43	42	40	49	44	44	45	42	41
1926	33.5	33	36	37	30	32	38	32	30	35	33	32
1927	28.6	34	33	25	22	26	36	26	30	25	28	30
1928	37.4	38	38	37	34	33	46	38	43	37	33	35
1929	31.7	35	33	31	27	26	36	33	35	30	30	33
Average 1920-29	35.0	36.2	36.2	35.3	31.8	32.9	39.9	33.5	35.7	34.9	34.5	33.9
1930	38.7	40	37	37	34	38	45	38	40	41	38	38
1931	27.9	32	30	30	23	28	30	25	28	29	22	30
1932	37.1	37	37	37	36	32	42	41	38	37	37	34
1933	26.8	26	31	32	30	21	27	31	30	28	20	19
1934	10.8	19	8	10	8	8	14	12	14	9	6	11
Average 1925-34	31.6	33.9	32.6	31.9	28.6	28.4	36.3	32.0	33.2	31.6	28.9	30.3

West Central District	District average	Audubon	Calhoun	Carroll	Crawford	Greene	Guthrie	Harrison	Ida	Monona	Sac	Shelby	Woodbury
1890	30.6	27	39	29	33	30	28	26	36	31	31	27	30
1891	37.2	32	46	39	36	46	38	35	33	35	41	29	37
1892	27.7	25	30	30	32	26	28	22	29	30	28	25	27
1893	24.2	23	23	23	26	25	18	21	29	25	28	20	30
1894	15.8	13	16	11	16	19	13	22	17	17	15	14	17
1895	47.8	58	60	56	35	52	57	43	41	39	52	44	37
1896	27.2	28	37	28	30	25	20	20	28	29	27	25	30
1897	30.5	25	29	27	40	28	25	38	35	26	31	35	27
1898	33.2	25	40	35	30	30	30	35	31	34	40	37	31
1899	32.5	27	35	41	32	33	31	30	35	35	30	32	29
Average 1890-99	30.7	28.3	35.5	31.9	31.0	31.4	28.8	29.2	31.4	30.1	32.3	28.8	29.5
1900	33.5	25	40	40	33	33	31	30	31	30	40	35	34
1901	30.0	28	29	25	30	28	26	33	33	33	35	30	30
1902	30.0	30	27	31	26	27	30	32	33	35	32	27	30
1903	25.3	22	23	25	25	22	26	25	23	30	31	22	30
1904	32.6	30	34	32	34	23	30	33	40	35	35	30	35
1905	34.1	28	37	35	37	34	28	35	36	33	40	30	36
1906	35.8	36	37	35	35	38	35	35	38	33	35	36	36
1907	25.8	21	31	25	26	26	26	24	25	30	26	25	24
1908	23.2	21	29	25	25	27	27	25	26	12	22	16	23
1909	25.1	22	23	26	27	25	23	26	25	25	28	26	25
Average 1900-09	29.5	26.3	31.0	29.9	29.8	28.3	28.2	29.8	31.0	29.6	32.4	27.7	30.3
1910	40.3	37	43	46	43	38	35	36	46	41	48	31	40
1911	24.8	26	25	27	25	26	26	30	21	22	25	23	22
1912	40.5	38	48	47	43	39	41	38	47	30	39	35	41
1913	33.1	38	33	34	35	38	31	36	32	31	30	34	25
1914	32.1	29	40	28	25	34	32	35	37	30	35	28	32
1915	35.7	30	51	38	32	41	31	31	39	31	39	32	33
1916	36.3	35	41	36	34	38	35	34	38	33	39	32	41
1917	41.2	34	44	41	35	45	41	39	46	39	44	43	43
1918	38.8	32	45	42	40	37	31	34	43	59	52	32	38
1919	36.2	32	42	39	34	38	34	34	40	34	38	36	33
Average 1910-19	35.9	33.1	41.2	37.8	34.6	37.4	33.7	34.7	38.9	33.0	38.9	32.6	34.8
1920	39.6	35	42	45	41	41	38	42	39	36	39	39	38
1921	25.1	24	24	23	24	23	25	23	31	23	30	27	24
1922	31.7	28	38	33	28	39	37	28	32	28	35	29	25
1923	35.3	31	40	40	36	38	32	34	37	27	40	33	36
1924	34.3	32	46	37	28	43	37	26	36	25	43	30	29
1925	34.1	32	41	35	34	38	33	28	37	29	40	30	32
1926	27.9	28	30	31	28	31	32	22	26	25	31	26	25
1927	30.0	28	37	31	27	37	31	27	30	24	33	29	26
1928	36.5	33	44	38	32	44	37	34	34	33	41	36	32
1929	34.5	30	42	35	31	41	31	32	38	31	41	32	30
Average 1920-29	32.9	30.1	38.4	34.8	30.9	37.5	33.3	29.6	34.0	28.1	37.3	31.1	29.7
1930	33.2	31	40	33	29	41	34	28	32	30	38	32	30
1931	31.6	34	36	33	31	32	36	26	29	30	36	32	24
1932	32.3	29	39	32	30	40	31	29	33	33	31	30	31
1933	14.1	10	21	15	8	26	13	9	11	17	17	9	13
1934	9.9	10	14	13	7	13	7	8	9	9	11	10	8
Average 1925-34	28.4	26.5	34.4	29.6	25.7	34.3	28.5	24.3	27.9	26.1	31.9	26.6	25.1

Central District	District average	Boone	Dallas	Grundy	Hamilton	Hardin	Jasper	Marshall	Polk	Poweshiek	Story	Tama	Webster
1890	28.(	33	30	32	31	30	21	26	28	26	23	24	32
1891	45.1	49	47	46	43	52	41	47	44	40	42	44	46
1892	27.3	29	29	28	28	27	29	26	24	24	27	29	28
1893	24.2	28	23	25	23	25	24	20	22	22	21	25	32
1894	18.9	21	19	17	18	22	20	17	16	23	17	17	20
1895	51.9	60	59	49	55	50	51	48	50	45	57	46	53
1896	26.4	27	20	32	29	29	20	26	24	21	33	24	32
1897	31.4	31	29	39	27	31	30	35	30	33	33	31	28
1898	32.7	25	31	36	38	33	31	34	30	32	34	28	40
1899	39.8	41	35	35	45	40	42	42	40	39	40	38	40
Average 1890-99	32.6	34.4	32.2	33.9	33.7	33.9	30.9	32.1	30.8	30.5	32.7	30.6	35.1
1900	36.0	35	35	30	40	32	29	41	30	40	40	35	45
1901	31.2	26	33	30	32	31	33	32	28	30	30	29	40
1902	30.4	33	31	31	28	30	20	32	33	30	32	32	33
1903	26.5	24	30	25	22	27	27	24	31	26	26	26	30
1904	30.8	34	29	25	30	28	24	33	32	30	32	33	40
1905	33.9	30	33	31	31	36	33	40	34	33	35	31	40
1906	36.3	35	37	35	36	36	37	40	33	38	37	32	40
1907	24.5	24	22	24	25	23	23	31	23	25	22	26	26
1908	30.2	30	30	35	30	33	25	37	24	27	31	32	28
1909	28.7	24	29	30	25	29	28	30	28	32	29	31	30
Average 1900-09	30.9	29.5	30.9	29.6	29.9	30.5	27.9	34.0	29.6	31.1	31.4	30.7	35.2
1910	41.4	37	40	39	39	41	45	40	41	47	43	41	44
1911	28.3	32	29	33	31	31	24	29	23	23	31	25	28
1912	46.5	45	50	48	37	46	42	46	49	50	46	46	53
1913	35.8	33	38	40	34	36	36	35	35	32	39	34	28
1914	36.1	38	36	36	37	34	39	36	37	32	39	33	36
1915	41.3	42	44	46	38	42	35	47	42	37	44	39	40
1916	39.2	39	41	35	39	39	33	41	41	40	41	43	39
1917	47.4	42	53	44	50	49	48	50	48	54	45	43	43
1918	42.6	43	46	37	40	42	42	42	47	42	41	44	45
1919	35.9	40	37	34	41	35	32	35	35	35	34	33	40
Average 1910-19	39.4	39.1	41.4	39.2	38.6	39.5	37.6	40.1	39.8	39.2	40.3	38.1	40.6
1920	40.3	41	40	45	40	40	42	40	39	38	40	39	40
1921	24.8	24	25	28	24	25	25	24	25	23	23	27	24
1922	40.8	37	38	43	42	46	39	45	40	39	42	39	39
1923	37.2	39	36	38	40	39	34	36	34	33	39	39	39
1924	40.7	43	45	37	47	39	37	39	41	33	44	37	46
1925	39.6	37	38	43	42	39	38	41	37	39	40	41	40
1926	34.2	33	38	34	36	32	35	35	37	31	34	35	30
1927	37.6	37	39	40	41	38	35	40	36	35	39	36	35
1928	41.1	45	44	40	45	42	38	38	40	39	43	37	42
1929	37.3	40	37	36	40	37	36	36	36	36	39	34	41
Average 1920-29	37.3	37.6	38.0	38.4	39.7	37.7	35.9	37.4	36.5	34.6	38.3	36.4	37.6
1930	37.5	39	40	37	39	36	37	37	36	37	38	36	38
1931	33.8	37	39	32	31	28	33	34	37	34	38	32	30
1932	36.2	38	40	36	33	34	37	34	36	36	35	35	40
1933	28.3	29	22	33	31	30	27	31	23	27	30	31	26
1934	8.0	8	5	7	10	8	7	11	6	5	9	6	14
Average 1925-34	33.4	34.3	34.2	33.8	34.8	32.4	32.3	33.7	32.4	31.9	34.5	32.3	33.6

East Central District	District average	Benton	Cedar	Clinton	Iowa	Jackson	Johnson	Jones	Linn	Muscatine	Scott
1890	25.0	29	26	24	28	23	30	28	23	21	18
1891	39.3	42	36	39	35	37	41	40	45	41	37
1892	26.2	29	25	23	26	29	28	29	28	22	23
1893	26.0	27	24	21	26	27	24	30	31	26	24
1894	31.1	28	34	30	23	35	39	37	31	28	26
1895	34.9	50	32	32	33	29	40	42	31	36	24
1896	27.3	25	27	30	17	35	24	30	32	24	29
1897	31.4	33	36	26	25	32	32	35	33	32	30
1898	31.7	30	33	32	30	35	31	38	33	29	26
1899	35.5	40	35	30	35	30	38	36	40	41	30
Average 1890-99	30.8	33.3	30.8	28.7	27.8	31.2	32.7	34.5	32.7	30.0	26.7
1900	32.9	35	33	30	32	30	36	35	35	33	30
1901	29.5	29	36	27	32	26	30	32	32	26	25
1902	28.6	30	27	22	20	28	30	33	31	35	30
1903	27.4	30	32	24	30	22	27	26	30	28	25
1904	31.7	30	35	35	32	28	31	31	32	33	30
1905	35.2	33	40	33	33	37	36	31	41	35	33
1906	33.5	40	36	30	34	29	32	30	36	35	33
1907	24.1	26	25	24	23	24	26	26	24	22	21
1908	27.7	30	28	27	28	26	29	30	24	30	25
1909	29.9	32	35	32	29	22	30	30	27	31	31
Average 1900-09	30.0	31.(	32.7	28.4	29.3	27.2	30.7	30.4	31.2	30.8	28.3
1910	39.9	39	42	43	39	36	40	44	38	36	42
1911	29.8	32	33	27	28	27	31	31	32	26	31
1912	42.1	44	47	38	42	39	42	41	45	38	45
1913	30.9	34	36	28	33	28	30	33	34	23	30
1914	33.4	38	34	30	33	32	35	28	39	32	33
1915	41.6	41	48	39	37	40	42	36	48	39	46
1916	40.7	42	44	39	35	32	38	42	39	45	51
1917	51.4	49	55	49	55	40	49	52	58	53	54
1918	44.2	44	50	43	37	42	46	40	52	40	48
1919	34.4	32	38	35	35	36	37	32	36	33	30
Average 1910-19	38.8	39.5	42.7	37.1	37.4	35.2	39.0	37.9	42.1	36.5	41.9
1920	39.8	40	46	37	37	35	41	40	39	39	44
1921	28.0	27	30	26	26	26	29	26	26	32	32
1922	40.9	42	47	37	41	41	42	39	39	40	41
1923	35.5	35	39	34	34	31	38	35	37	36	36
1924	40.6	38	45	40	37	36	41	41	40	43	45
1925	45.9	44	50	46	41	43	44	50	48	46	47
1926	33.2	33	35	31	34	26	38	35	34	30	36
1927	32.2	38	32	29	35	27	31	36	31	28	35
1928	38.7	38	40	38	38	38	38	41	40	36	40
1929	36.7	36	40	37	35	34	36	40	35	33	41
Average 1920-29	37.2	37.1	40.4	35.5	35.8	33.7	37.8	38.(	36.9	36.3	39.7
1930	38.6	36	42	40	35	39	37	42	38	36	41
1931	34.3	32	39	35	34	28	37	34	33	34	37
1932	38.8	38	42	39	36	35	36	42	38	37	45
1933	31.9	35	37	31	30	27	30	33	33	29	34
1934	9.5	7	10	12	6	10	9	10	9	8	14
Average 1925-34	34.0	33.7	36.7	33.8	32.4	30.7	33.6	36.3	33.9	31.7	37.0

IOWA OAT YIELDS, 1890-1934—Continued

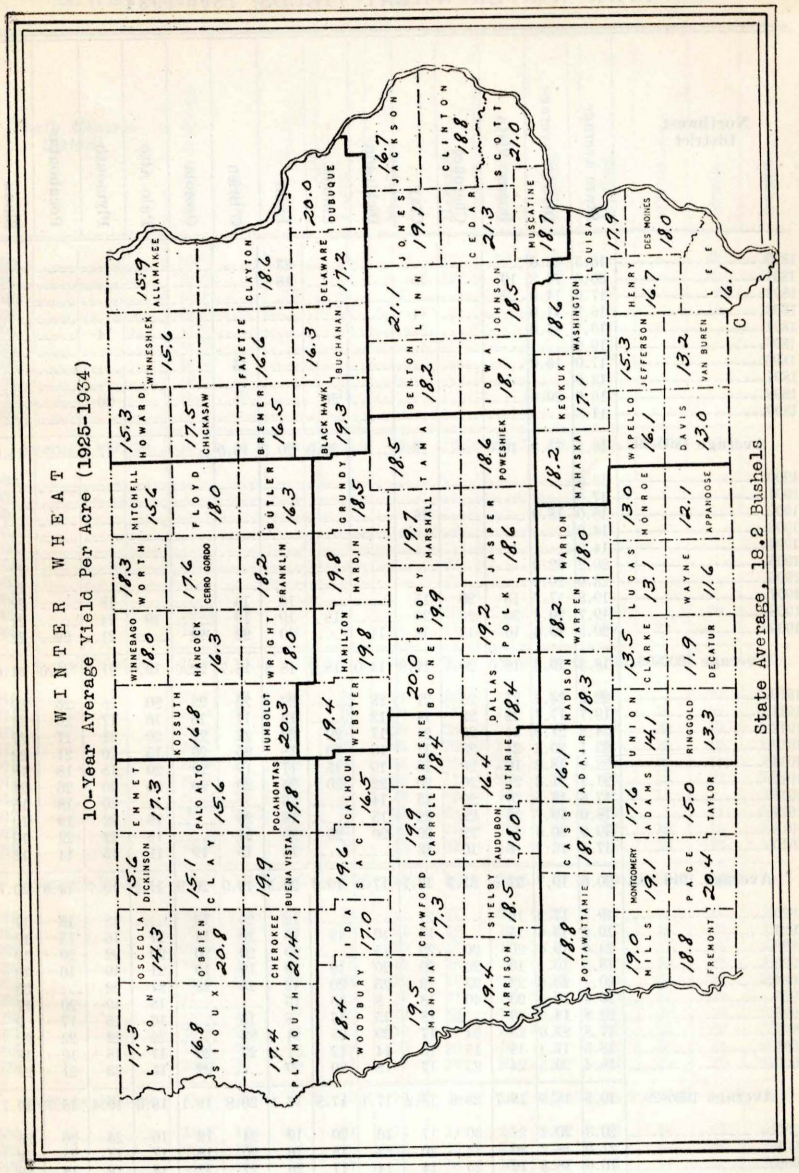
Southwest District	District average	Adair	Adams	Cass	Fremont	Mills	Montgomery	Page	Pottawattamie	Taylor
1890	26.6	24	26	24	34	24	25	25	24	33
1891	34.0	35	33	33	32	33	34	33	37	36
1892	24.8	23	23	26	26	28	25	25	27	20
1893	20.3	21	22	19	20	21	25	19	16	20
1894	22.0	18	30	18	23	24	19	25	21	20
1895	51.2	62	52	47	46	48	61	49	50	46
1896	23.3	17	20	19	22	40	27	19	22	24
1897	30.9	25	28	26	38	34	31	36	35	25
1898	30.0	24	27	26	33	35	34	32	32	27
1899	30.2	35	25	28	28	32	32	35	27	30
Average 1890–99	29.3	28.4	28.6	26.6	30.2	31.9	31.3	29.8	29.1	28.1
1900	27.6	25	28	24	30	28	25	33	25	30
1901	29.3	29	36	31	30	30	25	28	27	28
1902	30.6	30	35	30	35	30	30	25	35	25
1903	23.4	25	21	25	25	23	25	22	23	22
1904	23.1	25	22	30	22	20	22	20	32	15
1905	31.6	30	33	27	32	32	33	32	36	29
1906	31.1	34	32	28	30	35	25	35	33	28
1907	22.9	26	24	21	23	24	23	22	20	23
1908	19.2	28	20	19	18	15	18	17	18	20
1909	25.1	21	25	27	25	22	24	26	28	28
Average 1900–09	26.4	27.3	27.6	26.2	27.0	25.9	25.0	26.0	27.7	24.8
1910	37.4	39	40	36	38	38	38	38	35	35
1911	22.6	27	24	22	14	20	22	23	23	28
1912	36.1	39	42	36	33	30	36	38	32	39
1913	34.7	36	36	35	31	32	32	35	32	43
1914	32.1	31	33	29	29	32	37	35	31	32
1915	29.6	24	28	32	26	32	33	27	32	32
1916	33.2	32	33	32	30	34	37	31	34	36
1917	42.9	50	43	37	38	35	45	49	47	42
1918	28.0	28	27	28	25	24	30	28	34	28
1919	34.9	33	37	35	34	31	34	35	39	36
Average 1910–19	33.2	33.9	34.3	32.2	29.8	30.8	34.4	33.9	33.9	35.1
1920	40.0	39	41	39	50	39	39	40	41	32
1921	25.3	24	24	25	29	26	23	29	24	24
1922	32.6	35	34	35	28	31	32	33	30	35
1923	31.0	30	28	31	34	32	31	33	32	28
1924	31.4	34	32	32	28	28	33	34	33	29
1925	24.7	29	27	26	24	16	17	30	23	30
1926	28.9	32	31	26	25	27	30	32	27	30
1927	26.9	31	29	28	23	27	28	26	30	20
1928	35.0	41	36	34	31	32	35	37	35	34
1929	25.7	27	25	28	20	30	28	24	33	16
Average 1920–29	30.1	32.2	30.7	30.4	29.2	28.8	29.6	31.8	30.8	27.8
1930	30.7	34	33	32	25	30	32	29	32	29
1931	29.3	33	29	29	27	30	32	30	29	25
1932	30.3	32	33	29	26	28	32	33	28	32
1933	16.2	14	18	14	18	16	17	21	13	15
1934	8.7	5	6	8	7	10	12	12	10	8
Average 1925–34	*25.6*	*27.8*	*26.7*	*25.4*	*22.6*	*24.6*	*26.3*	*27.4*	*26.0*	*23.9*

IOWA OAT YIELDS, 1890-1934—Continued

South Central District	District average	Appanoose	Clarke	Decatur	Lucas	Madison	Marion	Monroe	Ringgold	Union	Warren	Wayne
1890	27.8	26	26	29	27	29	26	26	31	29	27	30
1891	34.6	31	37	24	35	42	41	36	30	38	39	28
1892	20.7	19	18	17	25	23	22	22	17	24	24	17
1893	21.8	25	19	21	22	20	23	26	19	20	23	22
1894	19.6	20	18	22	18	22	20	18	18	22	19	19
1895	45.9	40	47	49	45	54	42	34	47	55	45	47
1896	18.4	19	12	21	16	19	18	19	22	15	19	22
1897	22.9	20	20	20	24	23	27	25	20	23	28	22
1898	26.7	26	26	25	28	28	26	28	25	28	30	24
1899	30.5	25	32	32	30	35	30	25	32	33	34	28
Average 1890–99	26.9	25.1	25.5	26.0	27.0	29.5	27.5	25.9	26.1	28.7	28.8	25.9
1900	32.1	33	24	32	33	30	33	35	33	30	35	35
1901	26.1	20	26	27	25	28	26	28	30	27	25	25
1902	31.8	30	32	35	33	31	25	35	31	35	28	35
1903	25.5	27	21	25	30	27	20	28	23	22	27	30
1904	24.0	28	20	20	25	25	30	25	20	23	26	22
1905	30.4	32	28	29	30	32	28	30	32	32	28	33
1906	29.3	30	31	30	28	35	35	25	26	25	31	26
1907	23.5	24	29	27	23	22	20	19	25	26	18	25
1908	22.3	19	23	21	29	25	25	20	19	20	22	22
1909	24.6	28	25	22	28	22	26	25	24	21	28	22
Average 1900–09	27.0	27.1	25.9	26.8	28.4	27.7	26.8	27.0	26.3	26.1	26.8	27.5
1910	33.9	37	31	28	35	39	37	33	30	31	39	33
1911	25.1	27	25	23	28	27	26	26	21	21	23	29
1912	41.3	40	38	39	38	44	46	42	36	45	47	39
1913	35.2	40	31	35	40	33	36	33	33	36	33	37
1914	29.0	32	24	24	32	31	36	28	28	28	25	31
1915	29.7	36	23	32	31	32	38	25	23	27	30	30
1916	29.7	26	32	27	29	33	34	24	30	34	31	27
1917	51.6	58	51	49	58	46	53	60	44	50	50	49
1918	38.2	41	34	36	39	36	42	43	35	35	40	39
1919	30.0	30	28	26	25	40	36	25	28	32	30	30
Average 1910–19	34.4	36.7	31.7	31.9	35.5	36.1	38.4	33.9	30.8	33.9	34.8	34.4
1920	34.5	34	30	28	32	46	36	31	38	31	42	31
1921	22.5	22	23	20	23	27	21	22	22	24	22	21
1922	32.5	28	36	29	28	35	35	29	33	37	36	32
1923	25.8	22	26	24	27	31	30	25	24	26	28	21
1924	31.9	27	31	26	36	40	37	32	25	30	37	30
1925	33.6	32	32	32	36	34	39	34	32	29	36	34
1926	28.2	21	29	25	28	37	32	23	26	31	34	24
1927	22.0	15	23	17	20	35	31	17	16	24	29	15
1928	35.5	29	40	32	35	46	38	33	31	36	42	28
1929	23.9	22	23	21	24	29	32	24	16	22	29	21
Average 1920–29	29.0	25.2	29.3	25.4	28.9	36.0	33.1	27.0	26.3	29.0	33.5	25.7
1930	31.9	26	32	28	33	39	36	31	31	34	33	28
1931	30.3	26	30	28	32	37	35	27	26	28	34	30
1932	30.0	28	28	24	30	37	35	28	28	22	33	27
1933	12.9	13	10	10	11	14	22	11	10	14	16	11
1934	4.5	4	4	4	6	4	4	5	5	5	4	4
Average 1925–34	*25.3*	*21.6*	*25.1*	*22.1*	*25.5*	*31.2*	*30.4*	*23.3*	*22.1*	*25.5*	*29.0*	*22.2*

IOWA OAT YIELDS, 1890-1934—Continued

Southeast District	District average	Davis	Des Moines	Henry	Jefferson	Keokuk	Lee	Louisa	Mahaska	Van Buren	Wapello	Washington
1890	28.5	27	30	34	31	30	23	28	28	26	27	29
1891	40.4	37	38	44	38	50	33	44	44	35	39	42
1892	22.3	17	24	23	19	31	19	32	23	16	19	22
1893	26.4	26	28	28	26	24	28	26	22	29	27	26
1894	28.0	23	32	36	26	29	29	29	24	26	24	30
1895	39.6	44	32	40	39	45	37	26	46	45	42	40
1896	25.7	20	27	25	35	26	21	20	24	26	31	28
1897	23.7	20	30	25	23	26	17	25	28	20	23	24
1898	27.5	25	30	30	25	30	18	30	32	18	33	31
1899	29.8	25	25	33	32	35	24	30	40	24	30	30
Average 1890–99	29.2	26.4	29.6	31.8	29.4	32.6	24.9	29.0	31.1	26.5	29.5	30.2
1900	32.7	30	35	35	32	33	30	35	35	34	30	31
1901	26.5	22	32	34	30	22	23	30	25	25	22	26
1902	32.0	32	31	25	30	25	42	32	26	40	29	40
1903	25.0	23	26	25	27	25	21	28	30	22	25	23
1904	31.2	28	30	35	32	27	28	33	30	30	40	30
1905	30.8	28	34	32	32	32	28	35	28	27	30	33
1906	28.0	25	30	27	28	30	22	30	31	25	27	33
1907	23.8	25	25	21	25	26	28	25	20	22	22	23
1908	21.4	20	19	23	23	24	14	27	24	19	18	25
1909	29.2	34	31	26	29	31	33	28	26	27	27	29
Average 1900–09	28.1	26.7	29.3	28.3	28.8	27.5	26.9	30.3	27.5	27.1	27.0	29.3
1910	35.2	34	33	35	36	40	32	35	40	28	37	37
1911	24.2	19	26	26	21	27	22	26	23	22	24	30
1912	42.5	49	38	35	41	40	48	35	45	38	51	47
1913	31.7	33	31	29	30	31	29	28	33	33	37	35
1914	31.2	29	30	34	30	30	29	33	34	27	34	33
1915	39.2	31	38	41	34	44	41	56	39	36	31	40
1916	28.1	22	30	31	24	35	23	31	31	24	28	30
1917	47.6	49	43	52	38	51	52	48	51	50	45	45
1918	43.1	46	44	47	45	41	39	45	47	39	41	40
1919	31.1	33	28	33	27	34	32	36	31	30	29	29
Average 1910–19	35.4	34.5	34.1	36.3	32.6	37.3	34.7	37.3	37.4	32.7	35.7	36.6
1920	35.7	23	38	41	31	38	39	40	37	33	38	35
1921	24.5	23	25	24	28	23	23	25	22	22	26	28
1922	35.1	29	36	38	30	38	35	41	38	29	32	40
1923	32.1	24	34	37	31	34	34	36	30	29	28	36
1924	32.9	26	40	38	24	33	34	33	37	30	33	34
1925	38.0	31	39	41	37	42	33	41	44	32	35	43
1926	28.5	23	33	30	25	31	24	32	34	20	29	33
1927	22.2	13	28	26	17	24	18	26	34	13	18	27
1928	34.7	26	38	37	35	40	34	36	39	28	31	38
1929	29.5	23	34	33	28	31	28	31	34	23	26	33
Average 1920–29	31.3	24.1	34.5	34.5	28.6	33.4	30.2	34.1	34.9	25.9	29.6	34.7
1930	32.1	28	32	34	32	33	31	32	35	30	30	36
1931	32.8	25	36	36	32	35	31	34	35	26	31	40
1932	32.8	27	36	35	34	34	30	33	36	27	31	38
1933	21.1	15	25	26	19	22	19	24	22	16	18	26
1934	7.4	8	11	9	7	6	8	6	5	7	7	7
Average 1925–34	28.0	22.9	31.2	30.7	26.6	29.8	25.6	29.5	31.8	22.2	25.6	32.1



IOWA WINTER WHEAT YIELDS, 1890-1934

Northwest District	State average	District average	Buena Vista	Cherokee	Clay	Dickinson	Emmet	Lyon	O'Brien	Osceola	Palo Alto	Plymouth	Pocahontas	Sioux
1890	16.5	23.0						23						
1891	20.0	14.3	10		15			18						
1892	17.0	14.0												14
1893	15.8	11.0			11									
1894	16.7	14.0										14		
1895	19.0													
1896	17.0	15.0							15					
1897	13.0													
1898	16.6	20.0					20					20		
1899	11.3													
Average 1890-99	16.3	15.9	10.0		13.0		20.0	20.5	15.0			17.0		14.0
1900	13.3													
1901	17.6													
1902	18.0	18.0			18									
1903	16.9													
1904	14.3													
1905	20.2	22.0												22
1906	23.0	20.0												20
1907	19.8	17.7	18	20	15			16	15			18		22
1908	19.7	20.4	20	24	20		18	19	19		19	24		21
1909	20.5	19.6	16	18	18	14		20	22	22		21	22	23
Average 1900-09	18.3	19.6	18.0	20.7	17.8	14.0	18.0	18.3	18.7	22.0	19.0	21.0	22.0	21.6
1910	22.3	24.4	21	25	27	23		26	22	23	20	25	26	30
1911	19.7	17.7	22	22	14	12		18	17	16	16	17	20	21
1912	24.3	21.8	24	29	21	17	20	22	22	22	20	21	17	27
1913	23.1	20.8	24	23	17	18	20	18	25	26	15	20	21	22
1914	22.0	18.2	19	20	18	19	15	17	19	20	20	15	18	18
1915	21.3	21.3	21	20	20	22	20	26	20	20	20	20	23	24
1916	17.5	18.5	20	20	15	14		26				20	18	15
1917	18.0	19.7	22	22	22	15		18	20		18	22	19	19
1918	19.9	20.6	26	22	20	20	20	20	21		15	22	22	19
1919	17.4	13.7	16	10	13			14	13	19	11	15	14	12
Average 1910-19	20.6	19.7	21.5	21.3	18.7	17.8	19.0	20.5	19.9	20.9	17.2	19.7	19.8	20.7
1920	19.7	17.2	16		21			12	20	16		18	18	17
1921	19.2	15.6	15		16	10	15	15	20	14	17	16	15	19
1922	23.0	19.6	20	20	20	15		20	20	20	20	22	20	19
1923	18.5	19.1	19	20	20	20	19	19	18	19	21	19	16	19
1924	20.4	22.6	22	23	23	25	20	12	23	23	21	22		35
1925	16.4	19.0	20	40	18	8	15	15			18	19	20	17
1926	22.8	14.9	20		18	15	16	8	15		16	15	17	9
1927	17.8	23.0	23	24	17	29	25	24	23		22	22	22	22
1928	18.5	17.3	18	15	12	14	12		27	20	17	18	19	18
1929	18.4	20.5	24	23	17	18	20	20		22	15	23	21	22
Average 1920-29	19.5	18.9	19.7	23.6	18.2	17.1	17.8	16.1	20.8	19.1	18.6	19.4	18.7	19.7
1930	20.3	20.2	22	30	17	16	20	19	24	12	16	26	26	25
1931	21.0	18.2	20	13	20	23	18	16	20	18	17	17	25	12
1932	16.0	18.3	12	25	14	14	17	26	27	12	14	18	18	23
1933	18.2	14.2	16	17	10	11	15	18	16	11	10	19	16	12
1934	12.1	10.8	24	6	8	8	15	10	14	5	11	7	14	8
Average 1925-34	18.2	17.6	19.9	21.4	15.1	15.6	17.3	17.3	20.8	14.3	15.6	17.4	19.8	16.8

IOWA WINTER WHEAT YIELDS, 1890-1934—Continued

North Central District	District average	Butler	Cerro Gordo	Floyd	Franklin	Hancock	Humboldt	Kossuth	Mitchell	Winnebago	Worth	Wright
1890	15.0			12		13	10				25	
1891	18.0			20		12	22	19			20	
1892	16.4		16	10	16		30	19	16		8	
1893	20.3			18					28		15	
1894	14.0			12					16			
1895	18.0								18			
1896	13.5	15							12			
1897	12.3	15		10					12			
1898	18.0	18		18					18			
1899												
Average 1890-99	16.3	16.0	16.0	14.3	16.0	12.5	20.7	19.0	17.1		17.0	
1900												
1901												
1902												
1903												
1904												
1905	20.0					20						
1906												
1907												
1908	18.0	15		17		20		20	16		20	
1909	19.7	18	21	18	24	18	18	20	20	21		19
Average 1900-09	19.2	16.5	21.0	17.5	24.0	19.3	18.0	20.0	18.0	21.0	20.0	19.0
1910	22.1	19	14	22	24	23	26	24	20		23	26
1911	18.4	20	18	18	20	17	19	17	19	18	16	20
1912	21.4	19	23	25	20	23	25	23	19	20	15	23
1913	20.3	16	22	22	23	20	23	18	21	16	18	24
1914	20.4	16	18	30	21	22	23	17	25	15	18	19
1915	20.4	18	18	18	23	17	23	30	22	15	22	18
1916	15.9	13	14	19	18	16	18	20	12	14		15
1917	20.7	20	19	24	23	22	22	20	20		21	16
1918	16.5	16	15	19	20	12	19	12	20	16	18	15
1919	14.2	19	15	15	15	12	15	10	15	13	10	17
Average 1910-19	19.0	17.6	17.6	21.2	20.7	18.4	21.3	19.1	19.3	15.9	17.9	19.3
1920	19.3			16		17	20	23	19		21	19
1921	16.0	16	17	15	21	17	16	20	17	16	9	12
1922	16.9	20	18	21	10	17	17	16	17	17	16	17
1923	18.3	14	18	18	12	18	19	25	22	18	16	21
1924	23.6	24	24	24	11	23	24	25	26	33	24	22
1925	17.2	18	17	15	17	17	20	18	10	20	20	
1926	19.5	20	20	20	20	25	18	16	18	20	19	19
1927	20.2	15	24	24	18	19	23	25	17	20	20	17
1928	18.1	15	24	18	25	16	19	16	13	20	12	21
1929	22.0	26	20	21	22	19	20	21	23	21	21	28
Average 1920-29	19.1	18.7	20.2	19.2	17.3	18.8	19.6	20.5	18.2	20.6	17.8	19.6
1930	18.5	18	21	21	14	11	24	18	19	18	17	22
1931	22.8	20	15	23	22	13	35	24	27	19	34	19
1932	15.0	10	13	17	17	18	16	10	11	14	19	20
1933	13.2	15	14	14	19	14	12	9	11	16	9	12
1934	9.3	6	8	7	8	11	16	11	7	12	12	4
Average 1925-34	17.6	16.3	17.6	18.0	18.2	16.3	20.3	16.8	15.6	18.0	18.3	18.6

Northeast District	District average	Allamakee	Black Hawk	Bremer	Buchanan	Chickasaw	Clayton	Delaware	Dubuque	Fayette	Howard	Winneshiek
1890	18.0	19	-----	-----	-----	15	19	19	15	25	-----	14
1891	18.6	18	19	-----	-----	18	14	19	17	23	20	19
1892	16.5	11	28	-----	-----	-----	16	14	12	19	17	15
1893	14.3	18	-----	-----	-----	15	13	15	10	15	12	16
1894	14.6	14	-----	-----	-----	-----	18	16	15	18	13	8
1895	16.1	16	-----	-----	20	-----	16	20	11	16	18	12
1896	14.6	13	-----	20	-----	-----	14	14	13	18	14	11
1897	14.9	10	-----	20	16	15	15	15	13	12	18	15
1898	18.2	18	20	20	22	15	18	20	16	20	12	19
1899	12.6	10	-----	-----	-----	-----	11	-----	10	15	-----	17
Average 1890–99	15.9	14.7	22.3	20.0	19.3	15.6	15.4	16.9	13.2	18.1	15.5	14.6
1900	17.0	18	-----	-----	-----	-----	17	-----	-----	18	-----	15
1901	16.8	15	20	-----	16	-----	16	15	19	18	17	15
1902	16.1	12	15	-----	16	-----	15	20	17	20	14	16
1903	17.4	15	20	-----	-----	-----	16	20	15	18	-----	18
1904	16.0	9	-----	-----	-----	-----	14	20	18	20	-----	15
1905	18.8	18	-----	-----	18	-----	22	22	13	20	-----	-----
1906	19.3	17	-----	-----	18	-----	18	22	22	18	-----	20
1907	18.2	16	20	20	18	18	18	18	20	20	16	16
1908	19.3	15	20	24	19	20	18	23	20	18	18	17
1909	20.9	18	20	21	19	20	20	21	19	24	28	20
Average 1900–09	18.0	15.3	19.2	21.7	17.7	19.3	17.4	20.1	18.1	19.4	18.6	16.9
1910	23.5	20	23	23	26	24	20	26	26	23	24	24
1911	20.7	18	25	24	24	23	17	21	17	24	18	17
1912	21.8	19	28	20	25	22	19	25	24	18	23	17
1913	20.4	23	26	24	20	18	20	16	20	21	18	18
1914	18.9	25	22	21	16	17	20	20	20	21	10	16
1915	22.2	19	31	19	20	15	29	30	21	26	12	22
1916	18.4	26	18	16	22	11	22	21	22	12	13	19
1917	22.4	26	24	18	21	23	21	18	24	22	25	24
1918	20.2	16	22	18	20	-----	19	20	20	25	21	21
1919	18.5	18	17	20	18	14	22	19	18	20	20	18
Average 1910–19	20.7	21.0	23.6	20.3	21.2	18.6	20.9	21.6	21.2	21.2	18.4	19.6
1920	17.5	22	15	22	18	10	22	17	15	23	10	19
1921	14.9	15	14	18	14	15	16	17	21	10	10	14
1922	20.3	18	20	24	21	21	26	12	20	20	16	25
1923	17.8	16	17	18	18	18	21	16	22	18	18	14
1924	23.4	28	20	25	23	23	22	23	22	25	24	22
1925	17.3	12	19	19	19	16	20	20	26	12	12	15
1926	22.1	20	27	23	23	23	22	20	22	25	18	20
1927	19.4	21	22	14	13	23	21	23	22	16	22	16
1928	16.2	15	18	17	13	16	19	14	19	19	15	13
1929	21.9	20	25	21	20	19	24	27	25	18	21	21
Average 1920–29	19.1	18.7	19.7	20.1	18.2	18.4	21.3	18.9	21.4	18.6	16.6	17.9
1930	19.5	15	22	18	24	16	23	13	23	20	20	20
1931	19.8	18	19	16	22	28	19	18	23	22	15	18
1932	17.5	19	19	19	13	17	20	18	21	13	16	18
1933	12.5	11	17	13	12	9	13	14	15	15	9	9
1934	5.5	8	5	5	4	8	5	5	4	6	5	6
Average 1925–34	17.2	15.9	19.3	16.5	16.3	17.5	18.6	17.2	20.0	16.6	15.3	15.6

West Central District	District average	Audubon	Calhoun	Carroll	Crawford	Greene	Guthrie	Harrison	Ida	Monona	Sac	Shelby	Woodbury
1890	13.4	17	-----	10	-----	-----	12	-----	-----	18	10	-----	-----
1891	18.3	-----	15	21	-----	-----	-----	20	20	18	14	-----	20
1892	22.3	20	-----	21	30	20	24	18	28	18	22	22	-----
1893	16.7	19	-----	15	20	18	12	16	14	20	18	15	-----
1894	14.3	12	-----	11	-----	15	13	20	-----	16	13	-----	-----
1895	20.7	20	-----	24	-----	25	25	-----	-----	-----	15	-----	15
1896	15.8	-----	-----	-----	-----	15	18	-----	-----	18	12	-----	-----
1897	12.8	-----	-----	13	10	-----	14	-----	-----	20	-----	10	10
1898	17.2	20	-----	18	18	18	21	20	-----	21	-----	19	18
1899	18.0	-----	-----	-----	-----	-----	-----	-----	-----	18	-----	-----	-----
Average 1890–99	17.0	18.0	15.0	17.9	19.5	18.5	17.4	18.8	20.7	16.6	14.9	16.5	15.8
1900	18.0	-----	-----	-----	-----	-----	18	-----	-----	-----	-----	-----	-----
1901	21.0	-----	-----	-----	-----	-----	18	25	-----	20	-----	-----	-----
1902	16.8	-----	-----	-----	-----	10	20	25	15	-----	14	-----	-----
1903	17.8	16	-----	-----	-----	-----	20	15	-----	20	-----	-----	18
1904	18.7	-----	-----	-----	-----	-----	15	20	-----	21	-----	-----	-----
1905	23.6	-----	-----	-----	-----	-----	25	22	-----	25	-----	22	24
1906	22.0	-----	-----	-----	20	-----	22	21	-----	25	-----	-----	22
1907	19.3	20	18	20	22	20	20	22	15	16	20	18	21
1908	19.8	22	16	18	18	19	24	25	18	15	20	21	22
1909	20.5	18	20	20	26	18	22	20	19	21	22	19	21
Average 1900–09	19.8	19.0	18.0	19.3	21.5	16.8	20.4	21.7	16.8	20.4	19.0	20.0	21.3
1910	24.1	23	26	25	25	19	22	24	26	26	22	22	29
1911	21.3	22	15	22	24	21	27	22	18	22	20	21	22
1912	25.6	26	27	26	30	24	34	23	23	24	27	22	21
1913	22.7	29	22	24	21	25	25	22	20	22	22	22	18
1914	22.1	22	19	24	33	25	23	20	19	20	21	20	19
1915	23.1	22	28	26	26	23	21	19	25	23	22	20	22
1916	19.0	20	20	19	22	18	13	18	20	18	25	18	17
1917	19.6	28	15	20	25	18	14	18	24	19	12	20	22
1918	20.0	18	18	26	26	14	20	18	24	21	22	15	18
1919	15.0	16	15	16	16	14	19	16	14	14	14	12	14
Average 1910–19	21.3	22.6	20.5	22.8	24.8	20.1	21.8	20.0	21.3	20.9	20.7	19.2	20.2
1920	20.0	20	18	19	22	20	17	26	15	20	-----	22	21
1921	18.9	25	16	17	20	16	21	18	20	16	18	20	20
1922	23.6	25	24	23	28	17	23	22	22	21	22	29	27
1923	19.8	21	19	23	22	21	19	19	20	16	23	19	15
1924	20.7	20	20	27	26	19	19	21	16	16	25	19	21
1925	17.7	11	12	18	16	16	18	14	23	18	30	14	22
1926	22.7	21	15	29	19	16	21	27	22	28	21	26	28
1927	18.0	17	21	15	18	14	15	21	18	21	20	16	20
1928	18.9	18	18	20	18	17	17	20	14	23	24	16	22
1929	21.9	20	21	25	23	24	19	23	22	20	25	25	16
Average 1920–29	20.2	19.8	18.4	21.6	21.2	18.0	18.9	21.1	19.2	19.9	20.8	20.6	21.2
1930	21.5	23	17	25	23	24	20	22	12	24	21	27	20
1931	22.2	24	21	22	21	24	20	22	23	24	22	22	21
1932	16.5	18	14	18	18	18	14	14	22	14	16	17	15
1933	14.1	15	13	15	9	20	14	19	8	20	8	12	16
1934	8.9	13	13	12	8	11	6	12	6	3	9	10	4
Average 1925–34	18.2	18.0	16.5	19.9	17.3	18.4	16.4	19.4	17.0	19.5	19.6	18.5	18.4

IOWA WINTER WHEAT YIELDS, 1890-1934—Continued

Central District	District average	Boone	Dallas	Grundy	Hamilton	Hardin	Jasper	Marshall	Polk	Poweshiek	Story	Tama	Webster
1890	16.4	12	18	-----	-----	18	17	17	22	19	13	12	-----
1891	18.6	17	16	-----	-----	18	17	-----	21	23	20	25	10
1892	17.2	24	16	15	-----	14	19	14	18	15	16	-----	21
1893	14.3	14	16	-----	-----	-----	13	13	18	12	-----	-----	-----
1894	15.4	10	18	-----	-----	12	18	-----	16	20	18	15	12
1895	21.0	-----	24	-----	-----	20	21	20	22	15	-----	25	-----
1896	19.6	-----	18	-----	-----	-----	16	20	18	14	21	25	25
1897	15.6	12	14	-----	-----	-----	15	12	20	18	-----	18	-----
1898	18.8	18	17	-----	-----	-----	18	15	20	19	24	19	-----
1899	9.0	-----	9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Average 1890-99	16.6	15.3	16.6	15.0	-----	16.4	17.1	15.9	19.4	17.2	18.7	19.9	17.0
1900	16.8	-----	14	-----	-----	-----	18	-----	17	18	-----	-----	-----
1901	19.4	-----	13	15	-----	-----	18	28	20	20	22	-----	-----
1902	20.6	13	20	-----	-----	-----	17	-----	29	24	-----	-----	-----
1903	17.6	-----	20	-----	-----	-----	15	-----	16	15	22	-----	-----
1904	15.0	-----	12	-----	-----	-----	10	-----	15	13	20	20	-----
1905	21.3	-----	20	-----	18	-----	19	-----	23	18	30	-----	-----
1906	21.0	-----	20	-----	15	-----	21	28	25	20	18	-----	-----
1907	17.1	-----	16	15	16	16	18	20	16	18	16	20	-----
1908	21.7	21	22	18	22	17	22	34	26	22	18	20	18
1909	21.3	19	20	22	22	22	22	25	23	19	21	20	21
Average 1900-09	19.2	17.7	17.7	17.5	18.6	18.3	18.0	27.0	21.0	18.7	20.9	20.0	19.5
1910	24.1	20	25	26	25	22	23	27	22	28	25	22	24
1911	22.0	23	24	23	20	21	21	23	21	20	24	24	20
1912	28.1	32	35	29	24	22	28	23	32	30	30	27	25
1913	21.3	24	24	19	18	19	21	21	24	22	26	26	11
1914	22.6	22	23	21	18	18	23	22	26	28	27	24	19
1915	24.5	27	26	25	20	20	27	26	26	25	25	29	18
1916	19.0	19	17	16	16	18	19	18	17	22	24	23	19
1917	20.0	20	21	20	19	22	17	21	18	20	28	19	15
1918	18.8	18	21	16	14	16	21	19	20	19	21	19	22
1919	17.7	15	19	20	13	17	18	22	21	19	16	17	15
Average 1910-19	21.8	22.0	23.5	21.5	18.7	19.5	21.8	22.2	22.7	23.3	24.6	23.0	18.8
1920	22.4	20	22	24	30	22	21	23	23	21	20	23	20
1921	20.4	19	25	20	18	17	21	24	23	20	21	21	16
1922	24.0	21	24	22	22	25	27	23	25	21	25	31	23
1923	21.3	19	22	20	20	20	20	22	23	22	23	21	24
1924	22.8	23	22	23	23	24	24	25	22	18	23	21	25
1925	18.9	18	18	21	14	15	20	19	16	29	24	19	14
1926	23.2	22	24	16	25	21	22	22	23	23	24	26	25
1927	17.5	20	17	16	15	21	15	17	18	14	18	16	23
1928	18.8	20	18	15	24	24	18	19	19	16	19	16	18
1929	23.8	26	22	29	25	23	22	23	21	22	22	23	28
Average 1920-29	21.3	20.8	21.4	20.6	21.6	21.2	21.0	21.7	21.3	21.1	21.9	21.7	21.6
1930	20.7	24	21	20	18	19	20	22	21	18	21	20	24
1931	23.0	23	20	22	21	36	21	24	23	21	24	22	19
1932	17.9	16	19	20	21	12	20	19	20	17	16	19	16
1933	19.2	22	18	16	23	19	20	21	19	18	20	18	16
1934	9.0	9	7	10	12	8	8	11	12	3	11	6	11
Average 1925-34	19.2	20.0	18.4	18.5	19.8	19.8	18.6	19.7	19.2	18.6	19.9	18.5	19.4

IOWA WINTER WHEAT YIELDS, 1890-1934—Continued

East Central District	District average	Benton	Cedar	Clinton	Iowa	Jackson	Johnson	Jones	Linn	Muscatine	Scott
1890	15.9	15	16	17	17	16	16	-----	14	16	16
1891	19.0	20	18	15	16	19	16	22	-----	24	21
1892	15.2	14	15	10	16	15	16	-----	16	18	17
1893	16.7	27	12	15	14	18	16	-----	16	18	14
1894	18.8	16	21	-----	17	18	22	-----	17	21	18
1895	17.3	-----	16	20	19	16	19	-----	10	23	15
1896	19.9	-----	17	20	21	24	24	-----	15	20	18
1897	12.3	10	10	12	13	18	17	-----	11	12	8
1898	19.9	20	20	22	25	17	20	-----	20	20	15
1899	15.4	-----	15	15	15	20	15	-----	-----	18	10
Average 1890-99	17.0	12.2	16.0	14.6	17.3	18.1	18.1	22.0	14.9	19.0	15.2
1900	15.3	-----	12	15	17	17	17	-----	-----	14	15
1901	22.3	22	27	15	30	19	25	-----	20	21	22
1902	16.7	-----	14	18	9	17	19	-----	-----	20	20
1903	20.1	-----	22	18	30	17	15	-----	18	20	21
1904	18.7	-----	20	20	28	12	16	-----	-----	18	17
1905	21.1	20	22	18	21	17	24	-----	20	24	24
1906	22.1	20	22	16	30	18	30	-----	-----	22	19
1907	19.1	20	15	16	20	15	22	20	20	22	21
1908	23.5	26	25	20	20	20	27	23	23	25	26
1909	23.0	24	24	23	23	21	23	25	23	24	20
Average 1900-09	20.2	22.0	20.3	17.9	22.8	17.3	21.8	22.7	20.7	21.0	20.5
1910	25.2	20	28	29	30	22	26	26	26	23	22
1911	23.2	25	25	24	27	20	21	22	24	22	22
1912	19.7	26	18	17	21	19	19	22	18	17	20
1913	19.2	21	20	16	22	20	21	15	12	21	24
1914	23.5	27	20	30	27	19	22	28	21	19	22
1915	22.6	21	21	23	21	22	25	21	23	21	28
1916	20.7	20	18	23	23	20	23	20	17	18	25
1917	20.5	18	25	14	25	20	22	20	15	20	26
1918	20.6	18	23	19	20	18	24	18	17	25	24
1919	21.7	23	22	23	21	18	21	22	20	23	24
Average 1910-19	21.7	21.9	22.0	21.8	23.7	19.8	22.4	21.4	19.3	20.9	23.7
1920	21.6	23	23	20	22	22	23	22	20	20	21
1921	21.3	24	22	21	18	23	20	20	20	21	24
1922	23.1	23	27	23	24	16	24	23	23	22	26
1923	20.2	21	21	19	22	16	24	22	18	19	20
1924	20.7	20	22	23	16	20	22	21	22	17	24
1925	22.6	22	26	23	25	19	24	24	21	20	22
1926	23.0	20	30	17	23	19	23	22	25	27	24
1927	16.8	18	16	16	18	15	14	19	17	15	20
1928	15.6	14	17	16	14	15	15	12	17	18	18
1929	22.2	22	24	22	20	19	22	26	26	18	23
Average 1920-29	20.7	20.7	22.8	20.0	20.2	18.4	21.1	21.1	20.9	19.7	22.2
1930	21.2	21	22	21	19	19	20	22	25	20	23
1931	21.7	22	22	21	22	20	18	23	27	20	22
1932	19.6	21	21	21	16	18	19	18	21	19	22
1933	20.0	18	22	21	18	15	20	17	24	22	23
1934	8.8	4	13	10	6	8	10	8	8	8	13
Average 1925-34	19.2	18.2	21.3	18.8	18.1	16.7	18.5	19.1	21.1	18.7	21.0

Southwest District	District average	Adair	Adams	Cass	Fremont	Mills	Montgomery	Page	Pottawattamie	Taylor
1890	18.8	17	19	17	17	21	19	19	20	20
1891	20.2	16	23	21	21	18	20	22	22	19
1892	21.7	20	21	20	22	22	24	26	23	17
1893	18.1	19	17	20	18	17	19	22	16	15
1894	18.1	14	20	15	23	19	19	20	15	18
1895	18.7	24	14	19	23	22	20	16	18	12
1896	19.7	20	20	22	20	25	19	18	15	18
1897	14.4	17	9	15	20	16	15	16	10	12
1898	18.9	20	17	20	20	20	17	19	16	21
1899	11.2	-----	12	12	11	8	15	12	10	10
Average 1890–99	18.0	18.6	17.2	18.1	19.5	18.8	18.7	19.0	16.5	16.2
1900	18.7	18	17	18	20	20	20	20	20	15
1901	20.7	18	22	16	20	22	25	20	18	25
1902	19.1	25	19	18	20	16	22	15	22	15
1903	13.9	8	20	10	12	17	13	18	12	15
1904	14.9	15	18	20	12	12	12	15	15	15
1905	20.0	15	15	20	22	17	24	22	25	20
1906	27.2	20	30	30	25	30	30	30	28	22
1907	21.2	20	22	20	22	24	20	24	17	22
1908	20.1	22	23	22	20	22	18	18	20	16
1909	19.3	17	17	21	24	18	19	19	19	20
Average 1900–09	19.5	17.8	20.3	19.5	19.7	19.8	20.3	20.1	19.6	18.5
1910	24.2	30	24	22	32	23	24	22	23	18
1911	23.2	24	25	23	22	23	23	23	25	21
1912	27.3	33	28	30	24	25	26	28	24	28
1913	25.1	23	24	25	24	26	25	26	26	27
1914	21.9	20	24	23	22	21	23	23	21	20
1915	20.1	18	25	22	18	20	20	18	20	20
1916	18.2	21	17	16	19	18	19	19	17	18
1917	16.9	15	16	16	17	20	14	19	18	17
1918	16.4	15	15	16	20	14	16	18	18	16
1919	16.4	17	16	17	17	15	17	18	16	15
Average 1910–19	21.0	21.6	21.4	21.0	21.5	20.5	20.7	21.4	20.8	20.0
1920	20.7	18	17	20	25	19	19	22	25	21
1921	19.3	20	19	20	18	18	19	18	22	20
1922	22.4	23	22	21	23	20	22	25	22	24
1923	17.0	18	17	18	16	15	17	18	18	16
1924	19.9	18	18	22	24	19	22	20	20	16
1925	11.9	14	16	13	13	8	8	15	9	11
1926	22.4	21	22	23	25	24	22	25	22	18
1927	18.7	17	18	19	20	21	21	19	20	13
1928	18.4	16	16	17	22	20	18	21	20	16
1929	17.3	18	18	18	15	18	19	17	21	12
Average 1920–29	18.8	18.3	18.3	19.1	20.1	18.2	18.7	20.0	19.9	16.7
1930	19.9	20	19	20	19	21	21	21	22	16
1931	21.6	21	20	21	22	22	24	23	22	19
1932	15.8	13	15	16	14	16	18	19	17	14
1933	19.7	14	19	20	22	22	21	23	21	15
1934	15.3	7	13	14	16	18	19	21	14	16
Average 1925–34	18.1	16.1	17.6	18.1	18.8	19.0	19.1	20.4	18.8	15.0

South Central District	District average	Appanoose	Clarke	Decatur	Lucas	Madison	Marion	Monroe	Ringgold	Union	Warren	Wayne
1890	16.1	17	16	16	13	16	18	18	16	12	15	20
1891	18.9	18	17	17	18	19	26	21	17	14	20	21
1892	16.4	13	14	16	15	17	21	17	17	20	16	14
1893	15.1	13	12	14	13	16	16	14	14	20	17	17
1894	17.0	16	15	17	16	18	19	16	16	20	17	17
1895	18.3	15	20	21	22	16	18	22	17	13	20	17
1896	16.1	14	16	17	17	16	18	14	17	18	16	14
1897	13.0	13	18	14	13	11	13	7	13	16	15	10
1898	15.8	12	19	15	15	17	17	11	20	19	17	12
1899	10.1	12	12	9	-----	13	12	5	8	-----	12	8
Average 1890–99	15.7	14.3	15.9	15.6	15.8	15.9	17.8	14.5	15.5	16.9	16.5	15.0
1900	15.4	18	16	16	15	16	14	15	13	15	18	13
1901	18.2	18	24	21	14	22	10	20	18	16	22	15
1902	18.1	15	22	18	20	20	22	18	14	15	19	16
1903	16.4	15	20	16	20	15	15	12	14	18	20	15
1904	16.0	15	20	20	14	10	18	15	13	15	16	20
1905	19.6	20	20	19	18	22	21	23	17	20	18	18
1906	19.7	20	20	21	18	22	20	20	20	16	24	16
1907	18.5	17	18	19	17	20	18	18	19	16	21	20
1908	19.9	18	18	19	16	25	23	19	19	18	25	19
1909	17.8	18	14	15	18	20	22	18	15	16	24	16
Average 1900–09	18.0	17.4	19.2	18.4	17.0	19.2	18.3	17.8	16.2	16.5	20.7	16.8
1910	20.0	23	15	19	17	25	25	20	17	16	25	18
1911	19.4	17	21	17	19	26	16	20	18	16	25	18
1912	28.3	19	27	29	27	35	32	32	24	27	35	24
1913	22.2	22	20	20	22	25	25	22	22	22	21	23
1914	20.4	21	17	18	20	23	24	21	19	19	21	21
1915	19.4	22	18	17	18	22	24	20	14	18	22	18
1916	15.2	13	15	14	15	16	17	15	15	17	20	10
1917	16.0	15	14	14	16	17	16	20	15	15	23	11
1918	18.7	20	16	18	24	19	18	21	18	14	20	18
1919	16.3	15	16	16	15	19	21	19	11	15	17	15
Average 1910–19	19.6	18.7	17.9	18.2	19.3	22.7	21.8	21.0	17.3	17.9	22.9	17.6
1920	15.1	15	12	14	14	19	18	17	12	15	18	12
1921	18.5	15	18	16	17	26	19	20	20	19	17	16
1922	20.8	15	17	19	18	26	25	20	24	24	23	18
1923	16.1	12	14	12	16	21	21	16	14	16	22	13
1924	16.0	16	16	13	15	21	19	16	14	16	20	10
1925	16.0	14	15	16	12	19	18	15	18	15	18	16
1926	18.7	13	20	17	19	22	19	15	21	20	25	15
1927	11.7	7	12	10	9	20	15	10	9	12	18	7
1928	13.9	13	15	12	13	18	18	12	12	11	18	11
1929	14.4	12	13	11	14	19	19	15	10	16	18	11
Average 1920–29	16.1	13.2	15.2	14.0	14.7	21.1	19.1	15.6	15.4	16.4	19.7	12.9
1930	16.6	16	16	13	16	21	20	16	14	17	20	14
1931	18.5	16	18	17	18	22	24	18	16	18	21	16
1932	12.6	10	10	9	10	18	21	12	11	13	17	8
1933	10.9	8	9	8	8	17	18	9	9	10	18	6
1934	9.4	12	7	6	12	7	8	8	13	9	9	12
Average 1925–34	14.3	12.1	13.5	11.9	13.1	18.3	18.0	13.0	13.3	14.1	18.2	11.6

IOWA WINTER WHEAT YIELDS, 1890-1934—Continued

Southeast District	District average	Davis	Des Moines	Henry	Jefferson	Keokuk	Lee	Louisa	Mahaska	Van Buren	Wapello	Washington
1890	16.2	15	15	16	18	10	10	24	18	16	18	18
1891	19.8	21	19	20	19	21	15	21	23	18	21	20
1892	15.4	13	15	15	14	18	15	15	18	15	13	18
1893	13.8	12	12	12	11	22	12	14	16	12	13	16
1894	17.6	16	19	18	15	17	17	18	20	17	16	21
1895	20.0	18	18	23	19	19	16	20	21	23	20	23
1896	16.7	15	19	17	16	21	15	18	16	15	15	17
1897	10.5	8	11	13	9	12	7	13	10	7	10	16
1898	15.5	12	17	16	13	19	12	17	16	12	20	17
1899	10.0	5	10	7	10	15	6	11	15	9	10	12
Average 1890–99	15.6	13.5	15.5	15.7	14.4	17.4	12.5	17.1	17.3	14.4	15.6	17.8
1900	14.5	15	13	12	13	14	13	18	20	15	12	15
1901	17.3	16	16	21	21	18	13	20	16	14	15	20
1902	18.6	20	20	20	17	19	16	17	18	18	20	20
1903	15.7	13	18	15	14	14	15	15	15	16	20	18
1904	15.1	15	15	14	15	14	15	15	15	13	15	20
1905	18.0	14	20	16	18	18	18	20	18	16	20	20
1906	18.6	18	20	20	18	18	19	22	21	19	15	15
1907	20.0	18	22	24	19	20	23	18	21	17	20	18
1908	20.4	16	19	19	20	21	20	24	21	14	24	26
1909	21.7	19	21	29	24	25	21	23	20	20	16	21
Average 1900–09	18.0	16.4	18.4	19.0	17.9	18.1	17.3	19.2	18.5	16.2	17.7	19.3
1910	20.6	19	20	22	21	24	15	21	23	18	22	22
1911	16.0	12	16	13	15	18	14	15	17	13	18	22
1912	17.5	12	15	17	20	21	12	17	27	12	24	15
1913	20.4	20	20	21	17	23	19	21	22	19	22	20
1914	22.0	19	23	26	21	22	21	21	21	20	26	22
1915	22.7	15	26	26	21	22	23	25	25	20	23	24
1916	15.3	11	16	17	12	18	14	15	20	14	16	15
1917	16.4	12	20	19	15	21	13	17	15	17	16	15
1918	22.3	21	24	25	19	25	23	24	20	22	23	19
1919	17.7	16	19	18	16	17	19	20	19	17	17	17
Average 1910–19	19.1	15.7	19.9	20.7	17.7	21.1	17.3	19.6	20.9	17.2	20.7	19.1
1920	19.5	16	22	19	16	21	16	22	23	19	19	21
1921	18.2	14	21	22	16	20	18	19	21	16	18	15
1922	24.5	22	28	27	20	26	26	26	26	23	24	21
1923	20.1	15	25	20	21	21	20	20	22	16	21	20
1924	21.0	26	23	21	22	18	20	23	22	18	20	18
1925	18.0	17	16	15	17	21	16	19	23	16	17	21
1926	19.1	15	21	16	17	23	21	22	22	18	16	19
1927	12.5	8	13	12	12	14	16	13	15	9	14	12
1928	15.8	14	17	18	14	14	16	19	17	13	16	16
1929	16.6	14	14	17	16	20	12	17	21	14	18	20
Average 1920–29	18.5	16.1	20.0	18.7	17.1	19.8	18.1	20.0	21.2	16.2	18.3	18.3
1930	18.2	14	21	20	17	18	17	19	20	16	17	21
1931	18.9	14	20	20	20	19	17	20	21	15	18	24
1932	15.1	10	16	16	14	17	14	18	18	10	15	18
1933	16.5	12	21	19	15	16	16	20	16	11	15	20
1934	13.1	12	21	14	11	9	16	12	9	10	15	15
Average 1925–34	16.4	13.0	18.0	16.7	15.3	17.1	16.1	17.9	18.2	13.2	16.1	18.6