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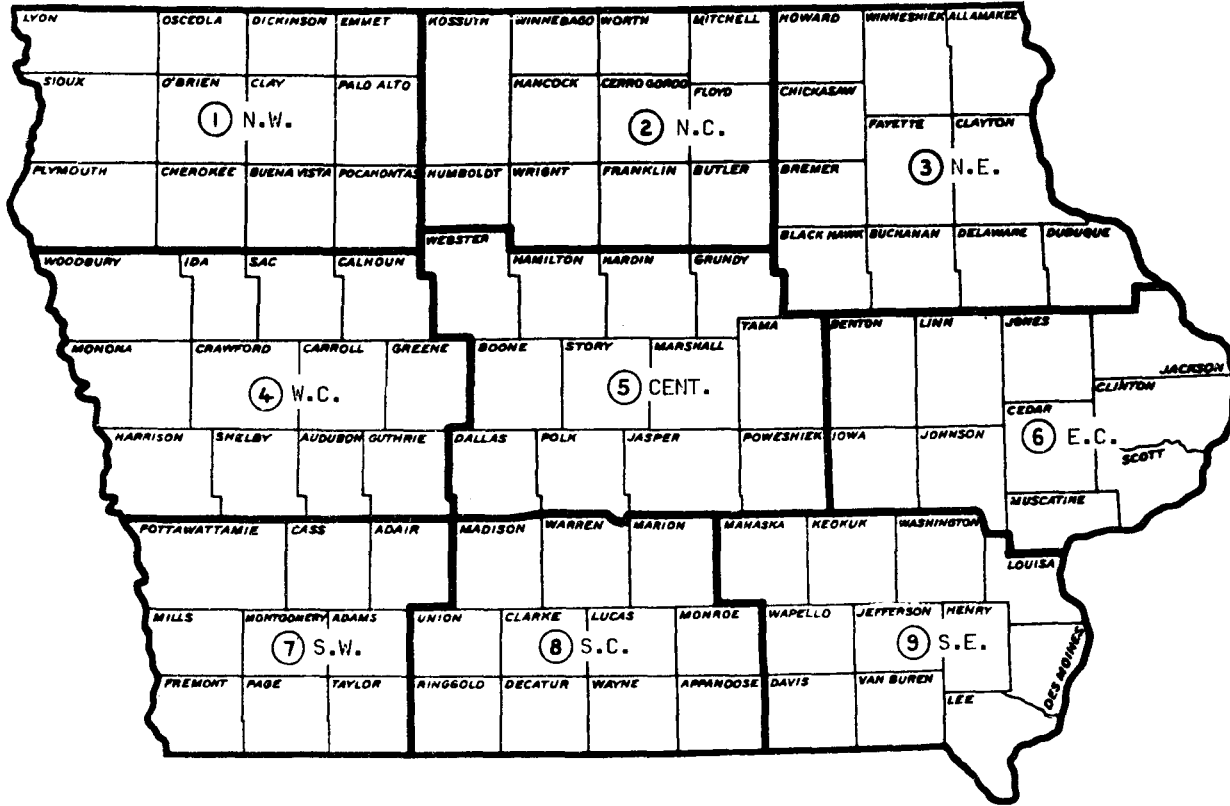
IOWA
1983

**Corn and Soybean
Data**

Compiled And Issued By
IOWA CROP AND LIVESTOCK REPORTING SERVICE

Iowa Department of Agriculture
R. H. Lounsberry, Iowa Secretary of Agriculture
Duane M. Skow, State Statistician

IOWA COUNTIES AND CROP REPORTING DISTRICTS



Iowa is divided into nine crop reporting districts for convenience in compiling and presenting statistical information on crops and livestock. These nine districts are outlined on the above map. The districts are designated as follows: Northwest (NW), West Central (WC), Southwest (SW), North Central (NC), Central (C), South Central (SC), Northeast (NE), East Central (EC), and Southeast (SE). In tables showing statistical information by counties in this bulletin, counties within each district are grouped together in alphabetical order. Totals and averages are shown for each district.

Following is an alphabetical list of counties showing crop reporting districts in which each county is located:

Adair	SW	Davis	SE	Jefferson	SE	Pocahontas	NW
Adams	SW	Decatur	SC	Johnson	EC	Polk	C
Allamakee	NE	Delaware	NE	Jones	EC	Pottawattamie ...	SW
Appanoose	SC	Des Moines ...	SE	Keokuk	SE	Poweshiek	C
Audubon	WC	Dickinson	NW	Kossuth	NC	Ringgold	SC
Benton	EC	Dubuque	NE	Lee	SE	Sac	WC
Black Hawk	NE	Emmet	NW	Linn	EC	Scott	EC
Boone	C	Fayette	NE	Louisa	SE	Shelby	WC
Bremer	NE	Floyd	NC	Lucas	SC	Sioux	NW
Buchanan	NE	Franklin	NC	Lyon	NW	Story	C
Buena Vista ...	NW	Fremont	SW	Madison	SC	Tama	C
Butler	NC	Greene	WC	Mahaska	SE	Taylor	SW
Calhoun	WC	Grundy	C	Marion	SC	Union	SC
Carroll	WC	Guthrie	WC	Marshall	C	Van Buren	SE
Cass	SW	Hamilton	C	Mills	SW	Wapello	SE
Cedar	EC	Hancock	NC	Mitchell	NC	Warren	SC
Cerro Gordo ...	NC	Hardin	C	Monona	WC	Washington	SE
Cherokee	NW	Harrison	WC	Monroe	SC	Wayne	SC
Chickasaw	NE	Henry	SE	Montgomery ...	SW	Webster	C
Clarke	SC	Howard	NE	Muscatine	EC	Winnebago	NC
Clay	NW	Humboldt	NC	O'Brien	NW	Winneshiek	NE
Clayton	NE	Ida	WC	Osceola	NW	Woodbury	WC
Clinton	EC	Iowa	EC	Page	SW	Worth	NC
Crawford	WC	Jackson	EC	Palo Alto	NW	Wright	NC
Dallas	C	Jasper	C	Plymouth	NW		

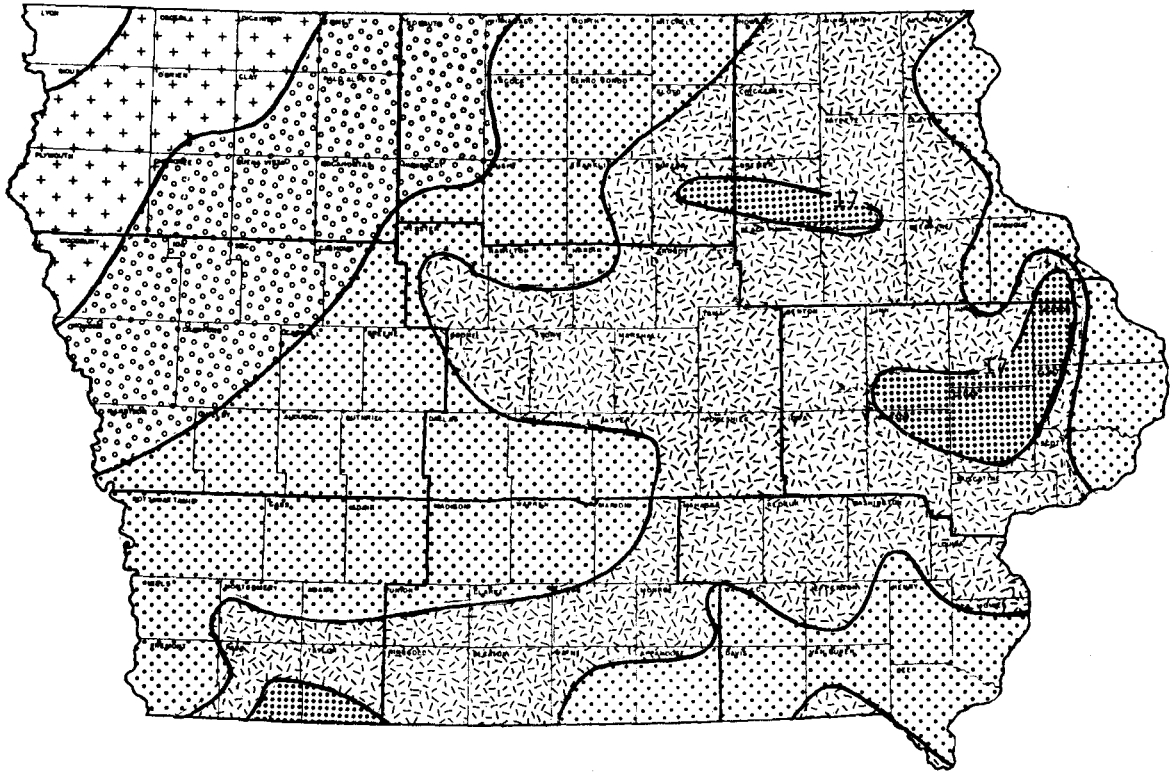
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APRIL - JULY NORMAL (1951-80) PRECIPITATION (Inches)

Precipitation
Inches

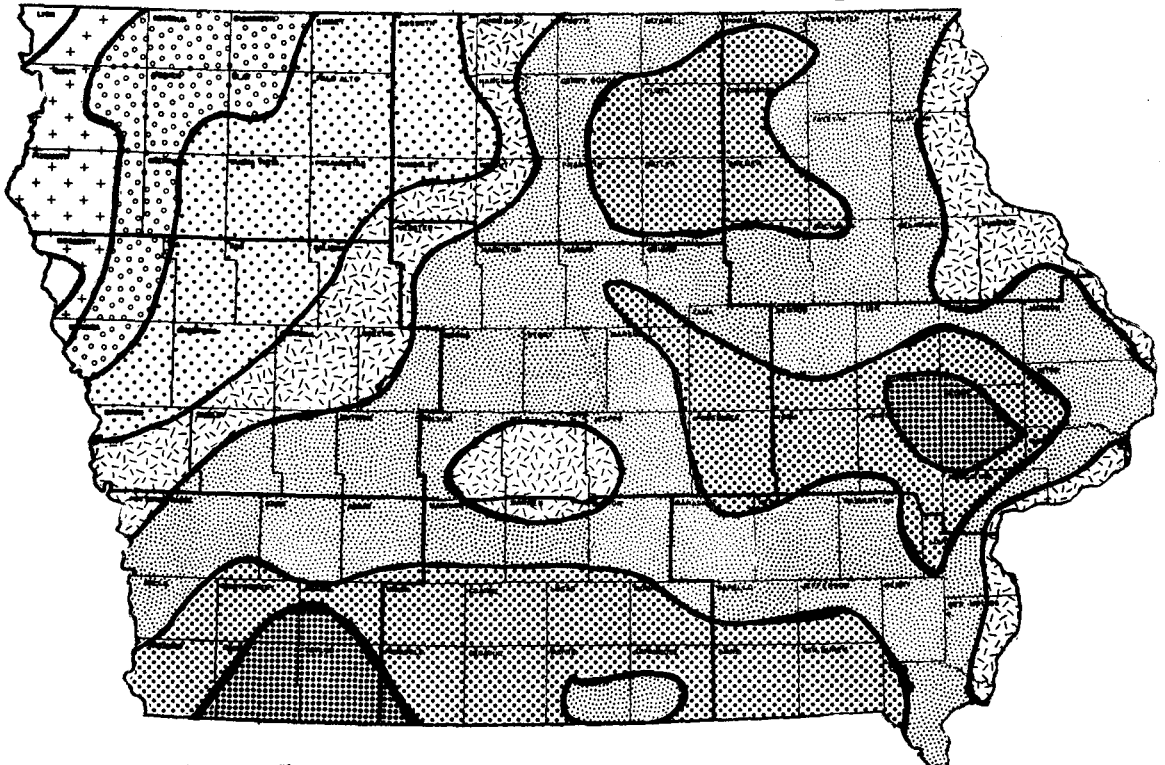
- 12-13
- ⊕ 13-14
- ⊙ 14-15
- ⊛ 15-16
- ⊜ 16-17
- ⊝ 17+



AVERAGE CROP SEASON PRECIPITATION (Inches) April Through September (1951-80 Average)

Precipitation
Inches

- 18-19
- ⊕ 19-20
- ⊙ 20-21
- ⊛ 21-22
- ⊜ 22-23
- ⊝ 23-24
- ⊞ 24-25
- ⊟ 25+



IOWA DEPARTMENT OF AGRICULTURE
State Climatology Office

IOWA FREEZE PROBABILITIES

SPRING

Location	Number of years out of ten that the last spring freeze will occur on or before date shown						
	Average	1	2	4	6	8	9
Allison	May 3	Apr. 20	Apr. 24	Apr. 30	May 6	May 12	May 16
Audubon	Apr. 30	Apr. 17	Apr. 21	Apr. 27	May 3	May 9	May 13
Britt	May 5	Apr. 22	Apr. 26	May 2	May 8	May 14	May 18
Centerville	Apr. 22	Apr. 9	Apr. 13	Apr. 19	Apr. 25	May 1	May 5
Clarinda	Apr. 26	Apr. 13	Apr. 17	Apr. 23	Apr. 29	May 5	May 9
Clinton	Apr. 28	Apr. 15	Apr. 19	Apr. 25	May 1	May 7	May 11
Columbus Jct.	Apr. 27	Apr. 14	Apr. 18	Apr. 24	Apr. 30	May 6	May 10
Decorah	May 9	Apr. 26	Apr. 30	May 6	May 12	May 18	May 22
Des Moines AP	Apr. 16	Apr. 3	Apr. 7	Apr. 13	Apr. 19	Apr. 25	Apr. 29
Estherville	May 3	Apr. 20	Apr. 24	Apr. 30	May 6	May 12	May 16
Keokuk	Apr. 12	Mar. 30	Apr. 3	Apr. 9	Apr. 15	Apr. 21	Apr. 25
Lamoni	Apr. 21	Apr. 8	Apr. 12	Apr. 18	Apr. 24	Apr. 30	May 4
Logan	Apr. 27	Apr. 14	Apr. 18	Apr. 24	Apr. 30	May 6	May 10
Manchester	May 8	Apr. 25	Apr. 29	May 5	May 11	May 17	May 21
Oskaloosa	Apr. 25	Apr. 12	Apr. 16	Apr. 22	Apr. 28	May 4	May 8
Pocahontas	May 1	Apr. 18	Apr. 22	Apr. 28	May 4	May 10	May 14
Rock Rapids	May 9	Apr. 26	Apr. 30	May 6	May 12	May 18	May 22
Sioux City	Apr. 26	Apr. 13	Apr. 17	Apr. 23	Apr. 29	May 5	May 9
Toledo	May 3	Apr. 20	Apr. 24	Apr. 30	May 6	May 12	May 16
Webster City	May 4	Apr. 21	Apr. 25	May 1	May 7	May 13	May 17

FALL

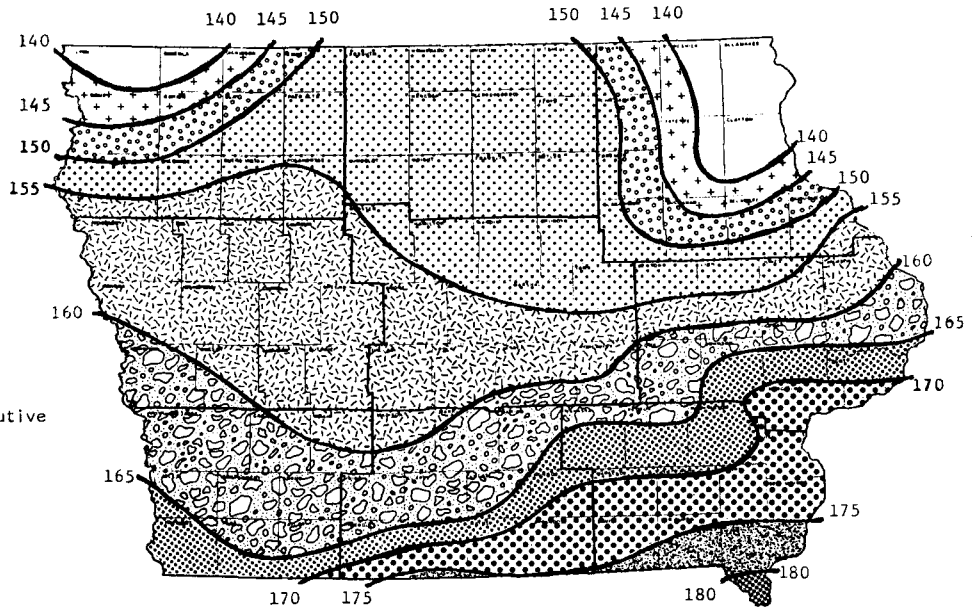
Location	Number of years out of ten that the first fall freeze will occur on or before date shown						
	Average	1	2	4	6	8	9
Allison	Oct. 9	Sep. 26	Sep. 30	Oct. 6	Oct. 12	Oct. 18	Oct. 22
Audubon	Oct. 5	Sep. 22	Sep. 26	Oct. 2	Oct. 8	Oct. 14	Oct. 18
Britt	Oct. 6	Sep. 23	Sep. 27	Oct. 3	Oct. 9	Oct. 15	Oct. 19
Centerville	Oct. 13	Sep. 30	Oct. 4	Oct. 10	Oct. 16	Oct. 22	Oct. 26
Clarinda	Oct. 6	Sep. 23	Sep. 27	Oct. 3	Oct. 9	Oct. 15	Oct. 19
Clinton	Oct. 10	Sep. 27	Oct. 1	Oct. 7	Oct. 13	Oct. 19	Oct. 23
Columbus Jct.	Oct. 8	Sep. 25	Sep. 29	Oct. 5	Oct. 11	Oct. 17	Oct. 21
Decorah	Sep. 29	Sep. 16	Sep. 20	Sep. 26	Oct. 2	Oct. 8	Oct. 12
Des Moines AP	Oct. 19	Oct. 6	Oct. 10	Oct. 16	Oct. 22	Oct. 28	Nov. 1
Estherville	Oct. 3	Sep. 20	Sep. 24	Sep. 30	Oct. 6	Oct. 12	Oct. 16
Keokuk	Oct. 26	Oct. 13	Oct. 17	Oct. 23	Oct. 29	Nov. 4	Nov. 8
Lamoni	Oct. 15	Oct. 2	Oct. 6	Oct. 12	Oct. 18	Oct. 24	Oct. 28
Logan	Oct. 7	Sep. 24	Sep. 28	Oct. 4	Oct. 10	Oct. 16	Oct. 20
Manchester	Oct. 3	Sep. 20	Sep. 24	Sep. 30	Oct. 6	Oct. 12	Oct. 16
Oskaloosa	Oct. 9	Sep. 26	Sep. 30	Oct. 6	Oct. 12	Oct. 18	Oct. 22
Pocahontas	Oct. 4	Sep. 21	Sep. 25	Oct. 1	Oct. 7	Oct. 13	Oct. 17
Rock Rapids	Sep. 30	Sep. 17	Sep. 21	Sep. 27	Oct. 3	Oct. 9	Oct. 13
Sioux City	Oct. 7	Sep. 24	Sep. 28	Oct. 4	Oct. 10	Oct. 16	Oct. 20
Toledo	Oct. 5	Sep. 22	Sep. 26	Oct. 2	Oct. 8	Oct. 14	Oct. 18
Webster City	Oct. 3	Sep. 20	Sep. 24	Sep. 30	Oct. 6	Oct. 12	Oct. 16

NOAA, National Weather Bureau, U.S. Department of Commerce

IOWA AVERAGE FREEZE DATES

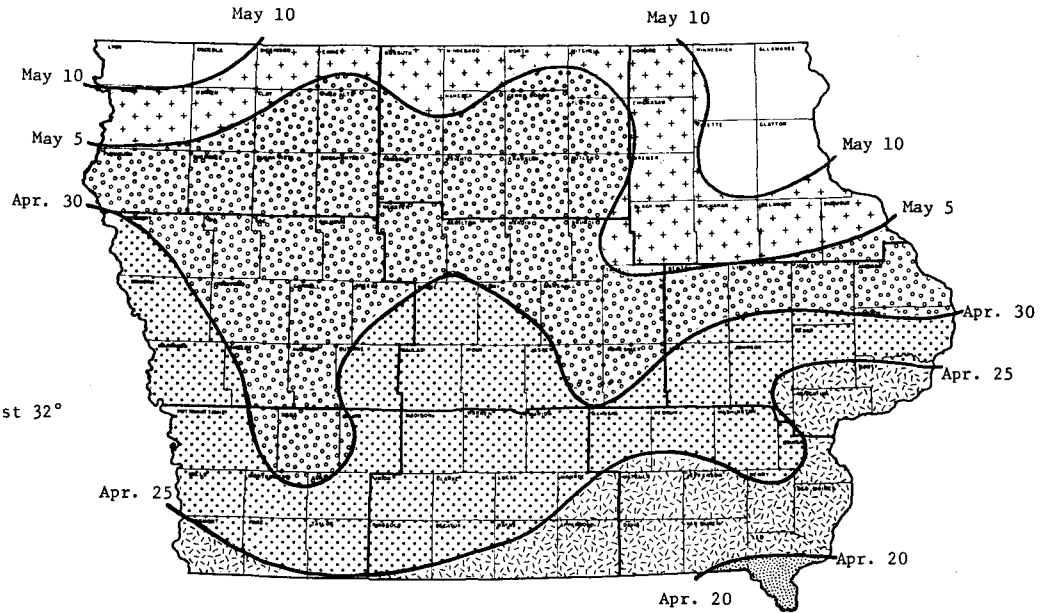
FREEZE FREE SEASON

Average number of consecutive freeze free days.
1951-80 base.



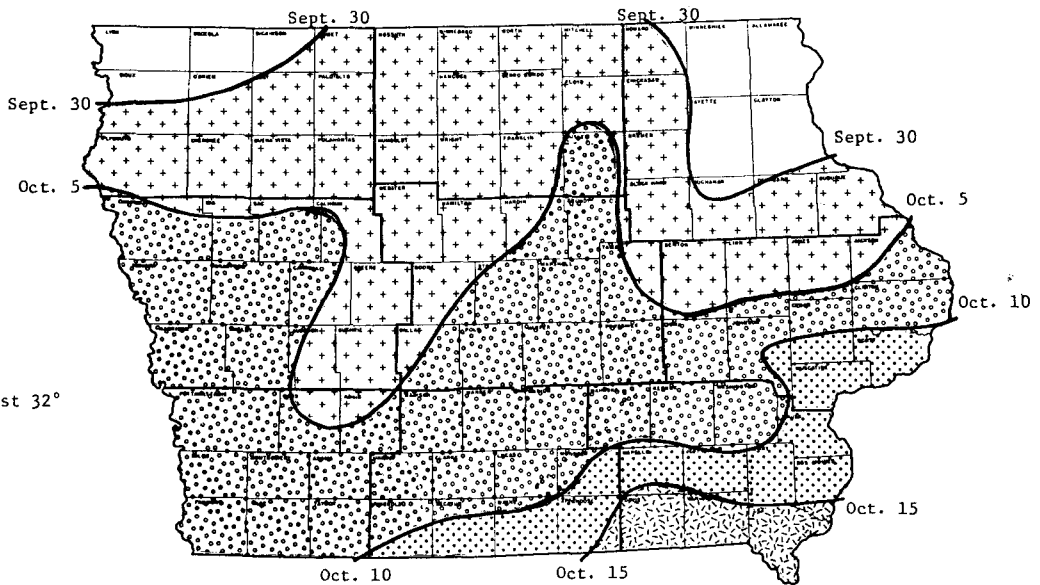
LAST SPRING FREEZE

Average date of the last 32° freeze in the spring.
1951-80 base.



FIRST FALL FREEZE

Average date of the first 32° freeze in the fall.
1951-80 base.



**AUGUST CORN REPORT
TOP 10 STATES¹**

State	Acres harvested			% change	Production			% change
	1981	1982	1983		1981	1982	1983	
	----- 1,000 Acres -----				----- 1,000 Bushels -----			
Iowa	13,850	13,150	8,600	-35	1,758,950	1,591,150	980,400	-38
Illinois	11,360	11,380	8,000	-30	1,454,080	1,524,920	816,000	-46
Nebraska	6,880	6,940	5,000	-28	791,200	770,340	565,000	-27
Minnesota	6,770	6,500	4,370	-33	744,700	734,500	498,180	-32
Indiana	6,000	6,320	4,750	-25	654,000	815,280	437,000	-46
Ohio	3,750	4,060	2,850	-30	360,000	475,020	313,500	-34
Wisconsin	3,500	3,350	2,400	-28	378,000	361,800	247,200	-32
Michigan	2,850	2,820	1,850	-34	273,600	307,380	175,750	-43
South Dakota	2,580	2,640	1,700	-36	180,600	192,720	119,000	-38
Missouri	1,940	1,970	1,550	-21	213,400	204,880	116,250	-43
U.S.	74,700	73,152	52,414	-28	8,201,598	8,397,334	5,236,558	-38

¹Ranked on production for 1983.

U.S. CORN SUPPLY DEMAND ESTIMATES

October 1 to September 30 Marketing Year

Year	Carry-over	Prod.	Total Supply	Feed Use and Residual	Other Domestic Use	Exports	Ending Stocks			Avg. Farm Price
							Mil. Bu.	Days ¹	% Prod.	
----- Million bushels -----										
1945	315	2,577	2,893	2,455	235	31	172	23	6.67	1.23
1946	172	2,916	3,089	2,371	299	136	283	37	9.71	1.53
1947	283	2,108	2,392	2,017	237	15	123	20	5.83	2.16
1948	123	3,307	3,431	2,255	245	118	813	113	24.58	1.28
1949	813	2,946	3,760	2,545	259	112	844	106	28.65	1.24
1950	844	2,764	3,609	2,482	270	117	740	94	26.77	1.52
1951	740	2,629	3,370	2,555	246	82	487	62	18.52	1.66
1952	487	2,981	3,469	2,313	242	145	769	104	25.80	1.52
1953	769	2,882	3,652	2,387	241	104	920	123	31.92	1.48
1954	920	2,708	3,629	2,242	249	103	1,035	146	38.22	1.43
1955	1,035	2,873	3,909	2,366	258	120	1,165	155	40.55	1.35
1956	1,165	3,075	4,241	2,377	261	184	1,419	184	46.15	1.29
1957	1,419	3,045	4,466	2,536	262	200	1,469	179	48.24	1.11
1958	1,469	3,356	4,826	2,782	290	230	1,524	168	45.41	1.12
1959	1,524	3,825	5,350	3,043	290	230	1,787	183	46.72	1.05
1960	1,787	3,907	5,695	3,092	295	292	2,016	200	51.60	1.00
1961	2,016	3,598	5,615	3,212	315	435	1,653	152	45.94	1.10
1962	1,653	3,606	5,260	3,157	322	416	1,365	128	37.85	1.12
1963	1,365	4,019	5,385	3,009	339	500	1,537	146	38.24	1.11
1964	1,537	3,484	5,022	2,956	349	570	1,147	108	32.92	1.17
1965	1,147	4,103	5,251	3,361	361	687	842	70	20.52	1.16
1966	842	4,168	5,011	3,329	369	487	826	72	19.82	1.24
1967	826	4,860	5,687	3,507	378	633	1,169	94	24.05	1.03
1968	1,169	4,450	5,620	3,580	386	536	1,118	91	25.12	1.08
1969	1,118	4,687	5,806	3,796	393	612	1,005	76	21.44	1.16
1970	1,005	4,152	5,161	3,581	396	517	667	54	16.06	1.33
1971	667	5,646	6,314	4,001	390	796	1,127	79	19.96	1.08
1972	1,127	5,580	6,707	4,314	428	1,258	708	43	12.69	1.57
1973	708	5,671	6,380	4,205	448	1,243	484	30	8.53	2.55
1974	484	4,701	5,187	3,226	451	1,149	361	27	7.68	3.03
1975	361	5,841	6,204	3,603	490	1,711	400	25	6.85	2.54
1976	400	6,289	6,692	3,609	513	1,684	886	56	14.11	2.15
1977	886	6,505	7,394	3,784	551	1,948	1,111	65	17.18	2.02
1978	1,111	7,268	8,380	4,368	575	2,133	1,304	67	17.94	2.25
1979	1,304	7,939	9,244	4,519	675	2,433	1,617	77	20.37	2.52
1980	1,617	6,645	8,263	4,139	735	2,355	1,034	52	15.56	3.10
1981	1,034	8,202	9,237	4,173	811	1,967	2,286	120	27.87	2.50
1982	2,286	8,397	10,684	4,500 4,790	900	1,850	5,131 3,170	73	40.91	2.65
1983	3,431	5,297	8,672	4,250	860	2,000	1,162	74	27.92	2.95-3.28
sof ctober supply demand	3,440	4,259	4,400	3,950	950	1,875	625	34	14.17	3.40-3.80

Use still available by days is calculated by dividing previous year's total use (feed, + other domestic, and exports) by days during year.

CORN PRODUCTION AND DEPARTURE FROM FINAL ESTIMATE, 1977-82

Year	July 1	Aug. 1	Sep. 1	Oct. 1	Nov. 1	Final
	1,000 Bushels					
<u>IOWA</u>						
1977	1,150,000 +57,800	1,037,000 -55,200	1,049,000 -43,200	1,073,600 -18,600	1,073,600 -18,600	1,092,200
1978	1,210,000 -267,750	1,318,900 -158,850	1,391,500 -86,250	1,391,500 -86,250	1,415,700 -62,050	1,477,750
1979	1,335,600 -328,100	1,436,400 -227,300	1,474,200 -189,500	1,499,400 -164,300	1,575,000 -88,700	1,663,700
1980	1,465,200 +2,200	1,425,600 -37,400	1,425,600 -37,400	1,438,800 -24,200	1,452,000 -11,000	1,463,000
1981	1,444,500 -314,450	1,687,500 -71,450	1,714,500 -44,450	1,728,000 -30,950	1,728,000 -30,950	1,758,950
1982	-	1,610,400 +19,250	1,636,800 +45,650	1,636,800 +45,650	1,610,400 +19,250	1,591,150
<u>UNITED STATES</u>						
1977	6,330,668 -174,373	6,092,054 -412,987	6,229,084 -275,957	6,366,864 -138,177	6,366,864 -138,177	6,505,041
1978	6,145,421 -1,122,506	6,503,190 -764,737	6,797,650 -470,277	6,823,720 -444,207	6,890,310 -377,617	7,267,927
1979	6,662,681 -1,276,138	7,108,938 -829,881	7,268,175 -670,644	7,390,365 -548,454	7,585,535 -353,284	7,938,819
1980	7,284,036 +639,195	6,645,852 +1,011	6,534,370 -110,471	6,466,622 -178,219	6,461,224 -183,617	6,644,841
1981	7,116,069 -1,085,529	7,734,941 -466,657	7,940,421 -261,177	8,081,441 -120,157	8,097,231 -104,637	8,201,598
1982	-	8,315,088 -82,246	8,318,678 -78,656	8,314,938 -82,396	8,329,808 -67,526	8,397,334

IOWA - ALL CORN: ACREAGE, AVERAGE YIELD PER ACRE, PRODUCTION, AND EXPORTS

Crop Year	Acres		Average yield per acre (Bu.)	Bushels	
	Planted (000)	Harvested (000)		Production (000)	Exports ¹ (000)
1929	11,048	11,048	40.2	444,130	
1930	11,449	11,335	34.0	385,390	
1931	11,791	11,732	32.9	385,983	
1932	11,849	11,849	43.0	509,507	
1933	11,493	11,493	40.0	459,720	
1934	9,501	9,358	23.0	215,234	
1935	9,925	9,826	38.0	373,388	
1936	10,979	10,759	17.7	190,434	
1937	11,138	11,082	45.0	498,690	
1938	10,448	10,417	46.0	479,182	
1939	9,400	9,400	52.2	490,680	
1940	9,051	9,024	52.5	473,760	
1941	9,096	9,069	51.0	462,519	
1942	9,626	9,568	60.0	574,080	
1943	10,792	10,716	55.0	589,380	
1944	11,224	11,037	52.5	579,442	
1945	10,847	10,706	44.5	476,417	5,053
1946	11,172	11,134	57.0	634,638	30,600
1947	10,935	10,410	30.5	317,505	1,815
1948	11,213	11,191	60.5	677,056	24,426
1949	11,549	11,527	47.0	541,769	19,600
1950	9,837	9,798	48.5	475,203	16,263
1951	10,386	10,190	43.5	443,265	10,660
1952	10,782	10,750	62.5	671,875	30,885
1953	11,213	11,180	53.0	592,540	19,968
1954	10,540	10,453	54.5	569,688	18,231
1955	10,799	10,767	48.5	522,200	19,320
1956	10,583	10,067	53.0	533,551	24,472
1957	10,249	10,218	62.0	633,516	36,000
1958	10,136	10,116	66.0	667,656	38,410
1959	12,557	12,544	65.0	815,360	44,390
1960 ²	12,658	12,166	63.5	772,541	51,976
1961	10,348	9,976	75.5	753,188	79,605
1962	10,151	9,677	77.0	745,129	73,216
1963	11,155	10,645	80.0	851,600	95,500
1964	10,273	9,738	77.5	754,695	106,020
1965	10,467	9,933	82.0	814,506	114,042
1966	10,676	10,132	89.0	901,748	91,556
1967	12,171	11,145	88.5	986,332	105,711
1968	10,346	9,775	93.0	909,075	93,264
1969	10,449	9,549	99.0	945,351	106,488
1970	10,760	10,077	86.0	866,622	95,128
1971	12,208	11,550	102.0	1,178,100	152,036
1972	11,255	10,600	116.0	1,229,600	251,600
1973	11,970	11,280	107.0	1,206,960	243,628
1974	13,200	12,100	80.0	968,000	222,906
1975	13,350	12,420	90.0	1,117,800	282,315
1976	13,950	12,900	91.0	1,173,900	269,440
1977	13,800	12,700	86.0	1,092,200	274,668
1978	13,600	12,850	115.0	1,477,750	377,541
1979	13,750	13,100	127.0	1,663,700	447,672
1980	14,000	13,300	110.0	1,463,000	512,550
1981	14,400	13,850	127.0	1,758,950	NA
1982 ³	13,700	13,150	121.0	1,591,150	NA

¹Iowa exports derived by multiplying Iowa's prorated share of U.S. corn sales times the total U.S. exports. Sales data not available after 1980. ²Acreage and production starting 1960 is corn harvested for grain. ³Preliminary.

CORN CROP DEVELOPMENT, IOWA

Percent of acreage planted by specified dates, 1977-83

Year	April	May			June
	30	10	20	30	10
1977	33	85	- ¹	- ¹	
1978	6	40	71	87	- ¹
1979	0	23	75	96	- ¹
1980	36	85	96	- ¹	
1981	20	65	91	98	- ¹
1982	28	48	67	71	90
1983	8	42	81	93	- ¹

Percent of acreage silked by specified dates, 1977-83

Year	July			August	
	10	20	30	10	20
1977	49	84	95	- ¹	
1978	1	34	81	98	- ¹
1979	0	14	61	- ¹	
1980	3	52	88	- ¹	
1981	3	57	91	- ¹	
1982	0	14	57	88	98
1983	0	16	72	94	- ¹

Percent of acreage mature by specified dates, 1977-82

Year	August		September			October
	20	30	10	20	30	10
1977	0	36	67	85	96	- ¹
1978	0	9	42	79	97	- ¹
1979	0	0	21	57	88	- ¹
1980	0	8	33	73	93	- ¹
1981	0	5	19	58	94	- ¹
1982	0	0	11	26	65	89

Percent of acreage harvested by specified dates, 1977-82

Year	September	October			November		
	30	10	20	30	10	20	30
1977	18	34	56	71	78	87	94
1978	11	27	54	79	94	- ¹	
1979	5	11	24	41	65	82	92
1980	15	39	68	86	99	- ¹	
1981	16	25	39	66	81	95	- ¹
1982	3	8	18	42	70	87	93

¹Virtually completed.

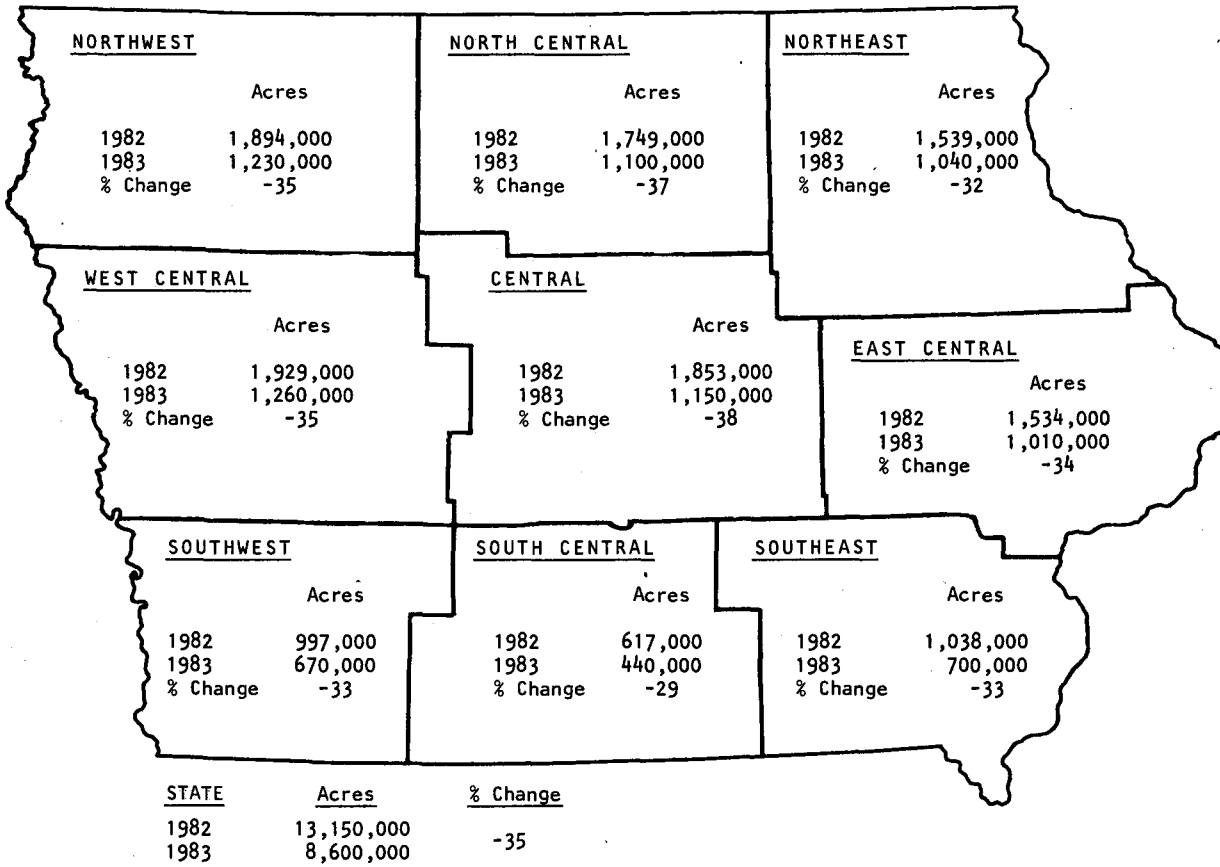
CORN HARVESTING METHODS, IOWA

Percent of acreage harvested, by method, 1979-82

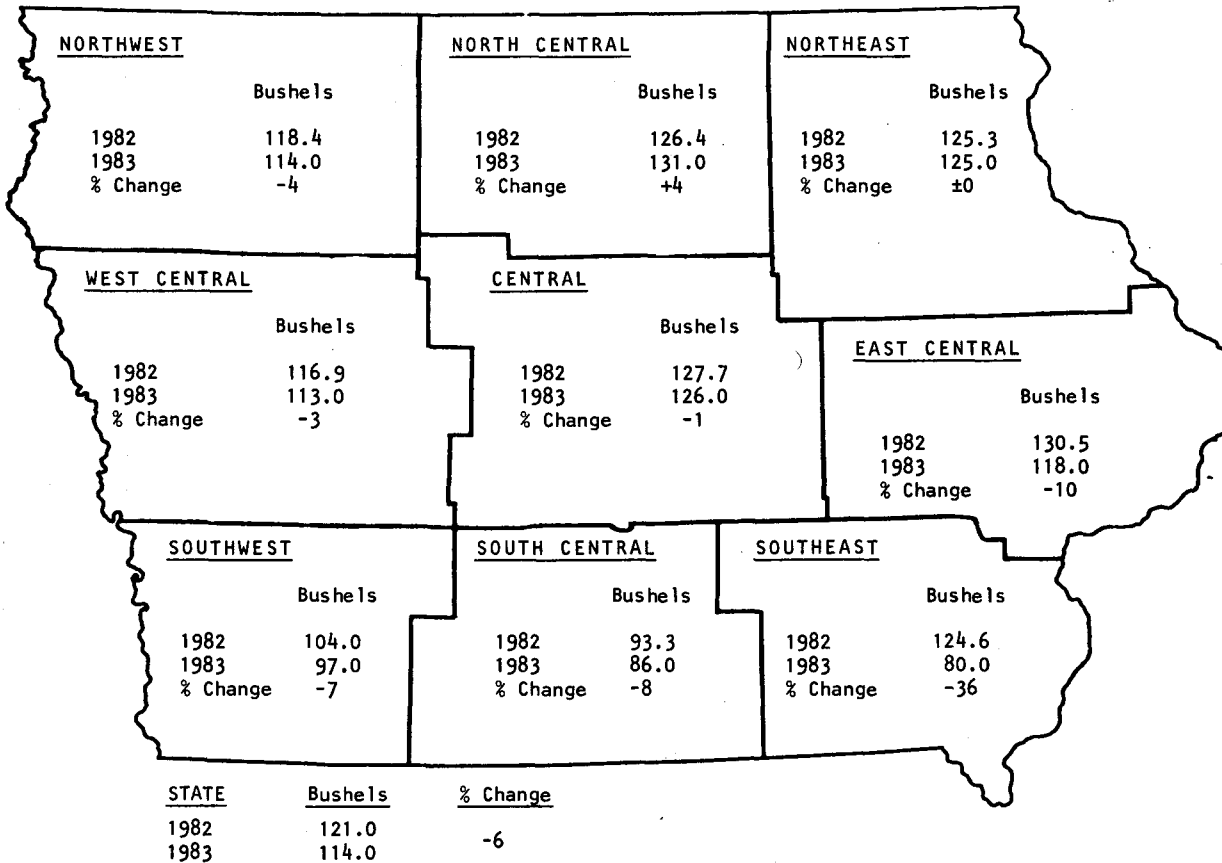
Dis- trict	Mechanical picker				Field picker-sheller				Corn head on combine				Other ¹			
	1979	1980	1981	1982	1979	1980	1981	1982	1979	1980	1981	1982	1979	1980	1981	1982
NW	19.4	22.0	16.4	21.5	4.4	4.0	4.2	0.9	75.8	72.0	78.1	76.9	0.4	2.0	1.3	0.7
NC	11.1	9.3	8.6	12.5	2.1	1.4	0.9	0.9	86.8	89.3	90.4	86.2	-	-	-	0.4
NE	14.0	8.1	9.4	6.7	3.9	5.6	4.3	3.4	81.9	86.0	86.0	89.1	0.3	0.3	0.3	0.8
WC	18.0	9.3	11.6	12.1	6.6	4.4	2.7	1.3	75.4	85.6	84.5	84.9	0.1	0.7	1.2	1.7
C	12.4	8.0	11.1	12.5	2.3	3.3	1.9	1.1	85.3	88.6	86.8	85.8	-	-	0.2	0.6
EC	17.3	10.2	11.4	10.0	6.2	2.2	3.1	1.7	75.2	86.5	84.9	86.7	1.4	1.1	0.6	1.6
SW	10.2	8.7	8.3	12.1	4.5	6.8	2.5	1.7	85.3	84.0	86.5	85.6	-	0.5	2.7	0.6
SC	9.7	9.4	9.1	8.0	1.2	2.5	2.6	0.3	89.1	88.1	87.8	91.5	-	-	0.5	0.2
SE	8.9	5.1	7.1	10.2	2.1	2.6	1.7	2.4	89.0	92.3	90.4	86.5	-	-	0.8	0.9
IOWA	14.2	10.5	10.8	12.3	3.9	3.6	2.7	1.5	81.6	85.3	85.7	85.3	0.3	0.6	0.8	0.9

¹Mostly picked in ear and ground for sealed storage.

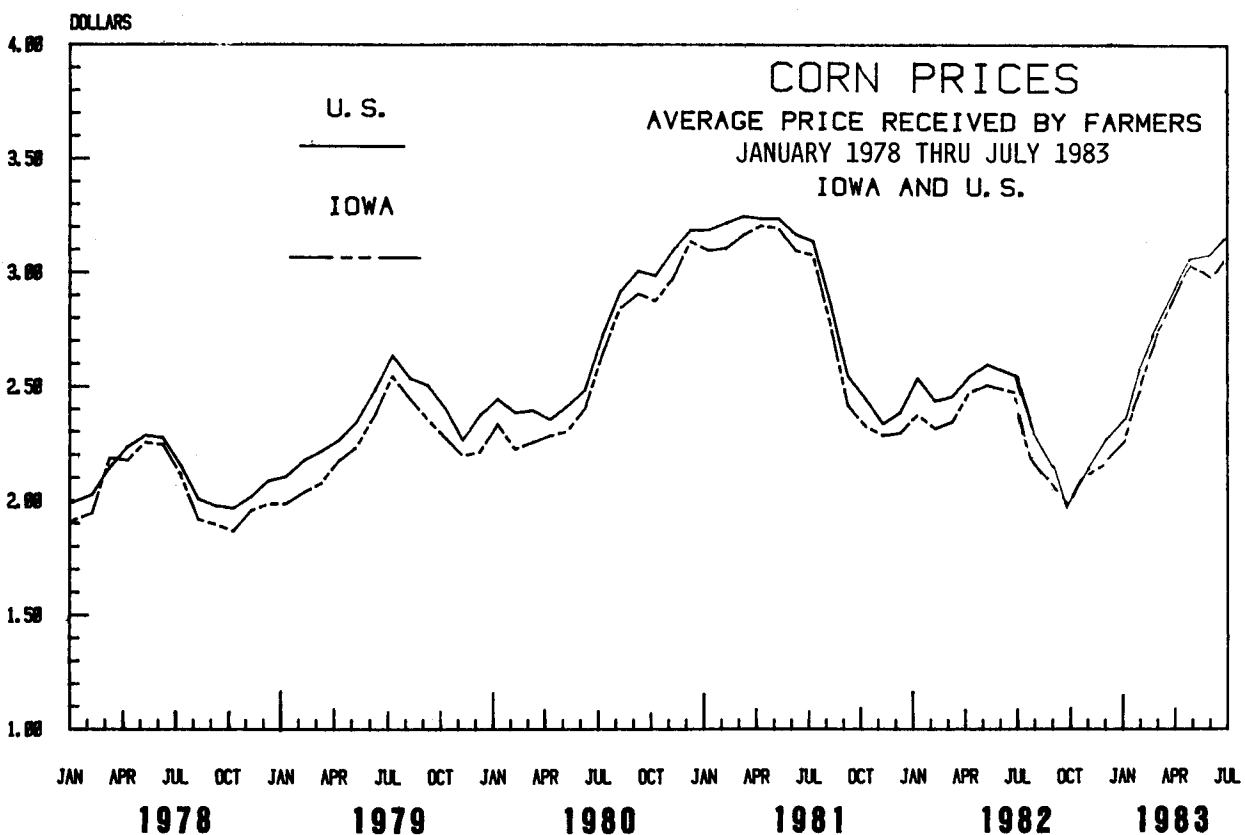
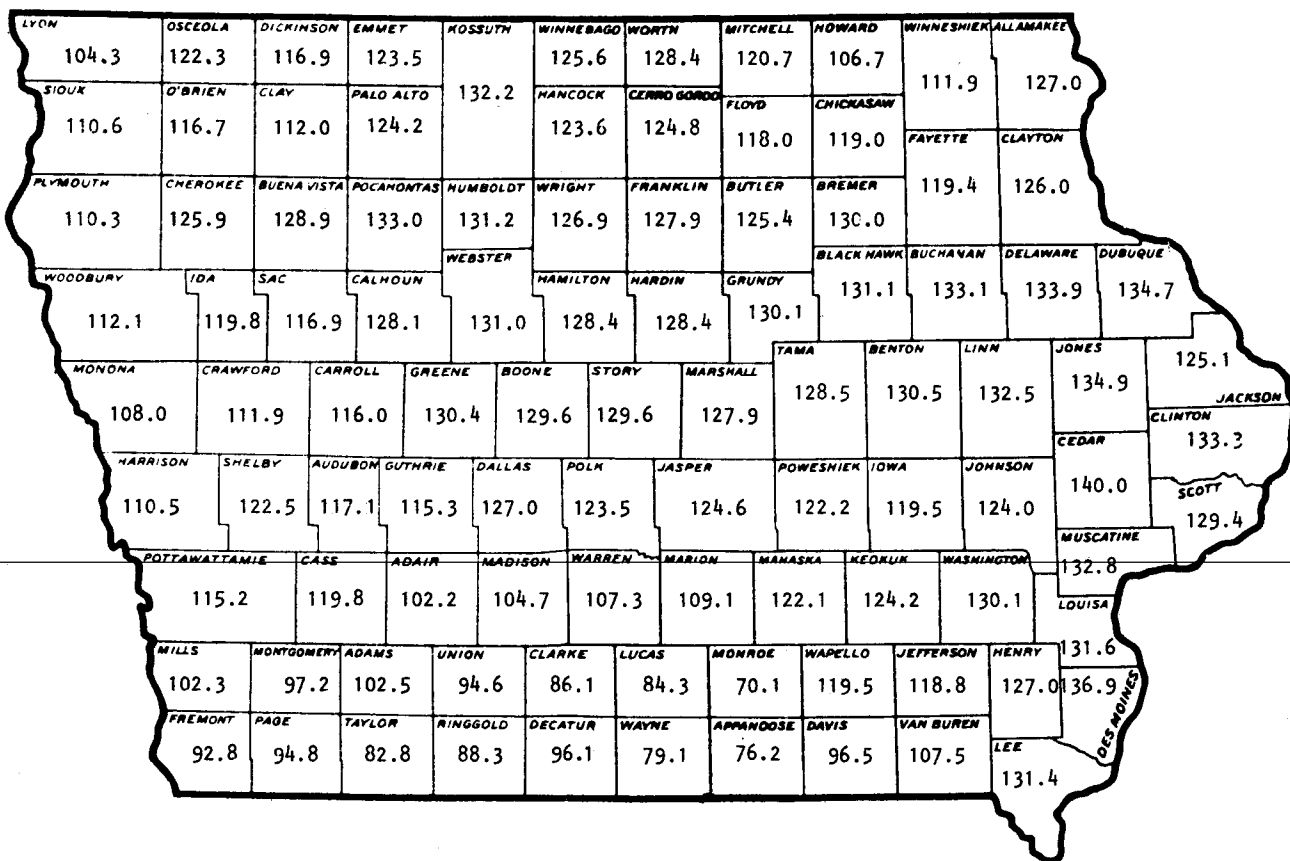
IOWA CORN ACREAGE FOR HARVEST, 1982 AND 1983



IOWA CORN YIELD, 1982 AND 1983



1982 CORN: COUNTY ESTIMATES YIELD BY COUNTY, IOWA



SOURCE: CROP REPORTING BOARD, SRS, USDA

Corn: Acreage, Yield, And Production, By County, 1982¹

County and district	Planted for all purposes	Harvested for grain	Yield per acre	Pro-duction	County and district	Planted for all purposes	Harvested for grain	Yield per acre	Pro-duction
	----- Acres -----		Bu.	000/bu.		----- Acres -----		Bu.	000/bu.
Buena Vista	173,000	168,200	128.9	21,684	Marshall	161,000	154,700	127.9	19,789
Cherokee	161,000	148,300	125.9	18,676	Polk	103,000	101,700	123.5	12,562
Clay	165,000	158,500	112.0	17,748	Poweshiek	145,000	143,100	122.2	17,483
Dickinson	100,000	95,600	116.9	11,177	Story	152,000	146,900	129.6	19,031
Emmet	115,000	110,600	123.5	13,664	Tama	186,000	183,100	128.5	23,536
Lyon	170,000	152,100	104.3	15,871	Webster	179,000	175,500	131.0	22,993
O'Brien	164,000	156,700	116.7	18,288	C District	1,897,000	1,853,000	127.7	236,628
Osceola	113,000	106,800	122.3	13,059	Benton	181,000	175,600	130.5	22,910
Palo Alto	167,000	163,200	124.2	20,267	Cedar	179,000	175,000	140.0	24,500
Plymouth	248,000	235,100	110.3	25,939	Clinton	217,000	208,000	133.3	27,720
Pocahontas	174,000	171,200	133.0	22,777	Iowa	161,000	155,500	119.5	18,582
Sioux	253,000	227,700	110.6	25,192	Jackson	130,000	123,700	125.1	15,477
NW District	2,003,000	1,894,000	118.4	224,342	Johnson	149,000	144,600	124.0	17,932
Butler	167,000	163,200	125.4	20,465	Jones	159,000	152,300	134.9	20,552
Cerro Gordo	171,000	169,200	124.8	21,118	Linn	155,000	151,600	132.5	20,092
Floyd	138,000	134,700	118.0	15,895	Muscatine	106,000	103,300	132.8	13,715
Franklin	185,000	181,400	127.9	23,197	Scott	149,000	144,400	129.4	18,684
Hancock	177,000	172,900	123.6	21,371	EC District	1,586,000	1,534,000	130.5	200,164
Humboldt	131,000	128,100	131.2	16,811	Adair	120,000	117,800	102.2	12,041
Kossuth	285,000	279,800	132.2	36,996	Adams	76,000	71,500	102.5	7,329
Mitchell	137,000	127,100	120.7	15,347	Cass	141,000	133,800	119.8	16,032
Winnebago	121,000	118,400	125.6	14,869	Fremont	101,000	98,600	92.8	9,155
Worth	114,000	110,700	128.4	14,215	Mills	108,000	103,100	102.3	10,548
Wright	166,000	163,500	126.9	20,746	Montgomery	89,000	85,800	97.2	8,343
NC District	1,792,000	1,749,000	126.4	221,030	Page	98,000	93,300	94.8	8,848
Allamakee	94,000	87,300	127.0	11,087	Pottawattamie	229,000	219,200	115.2	25,254
Black Hawk	142,000	138,700	131.1	18,189	Taylor	77,000	73,900	82.8	6,121
Bremer	120,000	115,900	130.0	15,063	SW District	1,039,000	997,000	104.0	103,671
Buchanan	180,000	176,400	133.1	23,486	Appanoose	38,000	35,200	76.2	2,683
Chickasaw	140,000	132,100	119.0	15,720	Clarke	53,000	51,700	86.1	4,449
Clayton	168,000	160,300	126.0	20,190	Decatur	56,000	49,700	96.1	4,775
Delaware	183,000	173,400	133.9	23,211	Lucas	44,000	38,200	84.3	3,220
Dubuque	140,000	130,600	134.7	17,592	Madison	81,000	77,000	104.7	8,062
Fayette	194,000	182,400	119.4	21,782	Marion	85,000	78,300	109.1	8,541
Howard	111,000	103,700	106.7	11,066	Monroe	39,000	33,200	70.1	2,328
Winneshiak	153,000	138,200	111.9	15,470	Ringgold	58,000	52,200	88.3	4,607
NE District	1,625,000	1,539,000	125.3	192,856	Union	55,000	53,200	94.6	5,035
Audubon	128,000	122,600	117.1	14,355	Warren	81,000	76,000	107.3	8,155
Calhoun	162,000	157,400	128.1	20,167	Wayne	74,000	72,300	79.1	5,720
Carroll	175,000	159,800	116.0	18,529	SC District	664,000	617,000	93.3	57,575
Crawford	170,000	162,700	111.9	18,207	Davis	54,000	50,000	96.5	4,823
Greene	153,000	148,100	130.4	19,309	Des Moines	91,000	89,400	136.9	12,238
Guthrie	117,000	113,300	115.3	13,060	Henry	113,000	108,400	127.0	13,771
Harrison	170,000	165,500	110.5	18,282	Jefferson	80,000	76,600	118.8	9,098
Ida	128,000	123,300	119.8	14,776	Keokuk	129,000	120,500	124.2	14,963
Monona	183,000	176,400	108.0	19,057	Lee	90,000	86,700	131.4	11,390
Sac	169,000	159,000	116.9	18,588	Louisa	101,000	100,100	131.6	13,177
Shelby	183,000	175,800	122.5	21,534	Mahaska	139,000	131,000	122.1	15,990
Woodbury	276,000	265,100	112.1	29,713	Van Buren	62,000	59,100	107.5	6,355
WC District	2,014,000	1,929,000	116.9	225,577	Wapello	62,000	59,800	119.5	7,147
Boone	152,000	149,700	129.6	19,398	Washington	159,000	156,400	130.1	20,355
Dallas	151,000	148,400	127.0	18,848	SE District	1,080,000	1,038,000	124.6	129,307
Grundy	160,000	153,300	130.1	19,937					
Hamilton	162,000	160,000	128.4	20,544					
Hardin	175,000	171,400	127.9	21,923					
Jasper	171,000	165,200	124.6	20,584					
					State	13,700,000		121.0	
							13,150,000		1,591,150

¹Preliminary.

**AUGUST SOYBEAN REPORT
TOP 10 STATES¹**

State	Acres harvested			% change	Production			% change
	1981	1982	1983		1981	1982	1983	
	----- 1,000 Acres -----				----- 1,000 Bushels -----			
Illinois	9,250	9,410	8,910	-5	351,500	366,990	302,940	-17
Iowa	8,150	8,550	7,920	-7	326,000	320,625	300,960	-6
Minnesota	4,350	4,850	4,600	-5	139,200	174,600	156,400	-10
Missouri	5,100	5,850	5,140	-12	155,550	184,275	149,060	-19
Indiana	4,600	4,580	3,970	-13	151,800	183,200	131,010	-28
Ohio	3,500	3,730	3,280	-12	99,750	138,010	118,080	-14
Arkansas	4,500	4,550	3,900	-14	99,000	109,200	85,800	-21
Nebraska	2,070	2,300	2,100	-9	78,660	82,800	75,600	-9
Mississippi	3,600	3,600	3,020	-16	75,600	93,600	63,420	-32
Louisiana	3,130	2,950	2,570	-13	64,165	76,700	61,680	-20
U.S.	66,368	70,783	62,108	-12	2,000,145	2,276,976	1,843,459	-19

¹Ranked on production for 1983.

U.S. SOYBEAN SUPPLY DEMAND ESTIMATES

September 1 to August 31 Marketing Year

Year	Carry-over	Prod.	Total Supply	Crush	Exports	Feed, Seed, & Residual	Ending Stocks			Avg. Farm Price \$/Bu.
							Mil. Bu.	Days ¹	% Prod.	
			----- Million Bushels -----							
1955	10	374	384	283	67	29	4	4	1.07	2.22
1956	4	449	453	316	85	42	10	8	2.23	2.18
1957	10	483	493	354	85	33	21	16	4.35	2.07
1958	21	580	601	401	110	28	62	42	10.69	2.00
1959	62	533	595	394	141	37	23	15	4.32	1.96
1960	23	555	578	402	130	40	6	4	1.08	2.13
1961	6	680	686	439	153	35	58	34	8.53	2.28
1962	58	669	727	473	181	57	15	8	2.24	2.34
1963	15	699	714	437	187	51	32	17	4.58	2.51
1964	32	701	733	479	212	59	30	15	4.28	2.62
1965	30	846	875	537	251	51	36	16	4.26	2.54
1966	36	929	964	559	262	53	90	38	9.69	2.75
1967	90	976	1,066	576	267	57	166	67	17.01	2.49
1968	166	1,107	1,273	606	287	53	327	126	29.54	2.43
1969	327	1,133	1,460	737	433	60	230	68	20.30	2.35
1970	230	1,127	1,357	760	434	64	99	29	8.78	2.85
1971	99	1,176	1,275	721	417	65	72	22	6.12	3.03
1972	72	1,271	1,343	722	479	82	60	17	4.72	4.37
1973	60	1,548	1,608	821	539	74	171	44	11.05	5.68
1974	171	1,216	1,387	701	421	77	188	57	15.46	6.64
1975	188	1,548	1,736	865	555	71	245	60	15.84	4.92
1976	245	1,289	1,534	790	564	77	103	26	8.00	6.81
1977	103	1,767	1,870	927	700	82	161	34	9.14	5.88
1978	161	1,869	2,030	1,018	739	99	174	34	9.31	6.66
1979	174	2,268	2,442	1,123	875	85	359	63	15.83	6.28
1980	359	1,792	2,151	1,020	724	89	318	63	17.75	7.57
1981	318	2,000	2,318	1,030	929	93	266	47	13.30	6.04
1982	266	2,277	2,543	1,100	900	88	455	80	19.98	5.57
1983	455	1,843	2,298	1,105	830	88	275	50	14.92	6.50-8.00

¹Use still available by days is calculated by dividing previous year's total use (crush, exports, and feed, seed, and residual) by days during year.

SOYBEAN PRODUCTION AND DEPARTURE FROM FINAL ESTIMATE, 1977-82

Year	Aug. 1	Sep. 1	Oct. 1	Nov. 1	Final
1,000 bushels					
<u>IOWA</u>					
1977	237,600 -13,740	244,800 -6,540	244,800 -6,540	244,800 -6,540	251,340
1978	255,000 -28,125	262,500 -20,625	270,000 -13,125	277,500 -5,625	283,125
1979	301,550 -4,825	309,700 +3,325	309,700 +3,325	309,700 +3,325	306,375
1980	297,000 -21,395	305,250 -13,145	305,250 -13,145	313,500 -4,895	318,395
1981	326,000 ±0	334,150 +13,525	342,300 +21,675	342,300 +21,675	326,000
1982	324,900 +4,275	333,450 +12,825	324,900 +4,275	324,900 +4,275	320,625
<u>UNITED STATES</u>					
1977	1,602,065 -165,202	1,644,220 -123,047	1,682,705 -84,562	1,682,705 -84,562	1,767,267
1978	1,765,024 -103,730	1,772,364 -96,390	1,792,064 -76,690	1,810,389 -58,365	1,868,754
1979	2,129,254 -138,647	2,174,179 -93,722	2,213,289 -54,612	2,235,869 -32,032	2,267,901
1980	1,880,342 +88,280	1,831,172 +39,110	1,757,272 -34,790	1,774,742 -17,320	1,792,062
1981	2,017,468 +17,323	2,089,418 +89,273	2,106,568 +106,423	2,076,998 +76,853	2,000,145
1982	2,293,420 +16,444	2,313,880 +36,904	2,300,345 +23,369	2,299,520 +22,544	2,276,976

IOWA - SOYBEANS FOR BEANS: ACREAGE, AVERAGE YIELD PER ACRE, PRODUCTION, AND EXPORTS

Crop Year	Acres		Average yield per acre (Bu.)	Bushels	
	Planted (000)	Harvested (000)		Production (000)	Exports ¹ (000)
1929	80	36	16.0	576	
1930	124	66	15.5	1,023	
1931	159	51	15.5	790	
1932	217	52	18.0	936	
1933	248	95	17.0	1,615	
1934	853	180	11.5	2,070	
1935	1,200	408	16.5	6,732	
1936	586	192	14.0	2,688	
1937	753	234	18.5	4,329	
1938	930	308	21.0	6,468	
1939	1,288	550	20.7	11,385	
1940	1,481	709	20.0	14,180	
1941	1,288	942	17.0	16,014	
1942	2,061	1,818	19.5	35,451	
1943	2,021	1,873	19.5	36,524	
1944	2,028	1,910	20.3	38,773	
1945	1,973	1,910	18.5	35,335	
1946	1,578	1,548	23.0	35,604	
1947	1,957	1,884	15.5	29,202	
1948	1,616	1,564	22.5	35,190	
1949	1,380	1,340	23.0	30,820	
1950	1,960	1,930	22.0	42,460	
1951	1,638	1,583	20.5	32,452	
1952	1,540	1,526	25.5	38,913	
1953	1,679	1,657	21.5	35,626	
1954	2,149	2,129	26.5	56,418	
1955	2,278	2,261	20.0	45,220	8,107
1956	2,551	2,500	20.0	50,000	9,435
1957	2,844	2,827	27.0	76,329	13,515
1958	3,128	3,116	25.5	79,458	15,180
1959	2,377	2,369	26.5	62,778	16,638
1960	2,615	2,599	25.5	66,274	15,470
1961	3,426	3,405	28.5	97,042	21,879
1962	3,415	3,405	27.5	93,638	25,340
1963	3,586	3,575	30.5	109,038	29,172
1964	4,267	4,254	28.5	121,239	36,888
1965	4,864	4,850	26.0	126,100	37,650
1966	5,010	4,996	29.5	147,382	41,658
1967	5,361	5,246	27.5	144,265	39,516
1968	5,576	5,561	32.0	177,952	46,207
1969	5,632	5,450	32.5	177,125	67,981
1970	5,709	5,680	32.5	184,600	71,610
1971	5,516	5,500	32.5	178,750	63,384
1972	6,050	6,000	36.0	216,000	81,909
1973	7,700	7,650	34.0	260,100	91,091
1974	7,200	7,110	28.0	199,080	69,465
1975	7,000	6,970	34.0	236,980	85,470
1976	6,470	6,450	31.0	199,950	87,984
1977	7,100	7,080	35.5	251,340	100,100
1978	7,600	7,550	37.5	283,125	112,328
1979	8,200	8,170	37.5	306,375	119,000
1980	8,300	8,270	38.5	318,395	139,730
1981	8,200	8,150	40.0	326,000	NA
1982 ²	8,600	8,550	37.5	320,625	NA

¹Iowa exports derived by multiplying Iowa's prorated share of U.S. soybean sales times the total U.S. exports; sales data not available after 1980. ²Preliminary.

SOYBEAN CROP DEVELOPMENT AND VARIETY INFORMATION, IOWA

Percent of acreage planted by specified dates, 1977-83

Year	May			June	
	10	20	30	10	20
1977	26	82	- ¹		
1978	0	29	64	88	- ¹
1979	0	23	75	96	- ¹
1980	12	46	89	- ¹	
1981	7	43	82	97	- ¹
1982	4	11	16	60	88
1983	4	15	60	94	- ¹

Percent of acreage blooming by specified dates, 1977-83

Year	June	July			August
	30	10	20	30	10
1977	17	60	89	- ¹	
1978	0	16	55	81	- ¹
1979	0	10	45	78	- ¹
1980	0	26	70	86	95
1981	0	21	66	87	97
1982	0	0	19	54	83
1983	0	10	52	83	95

Percent of acreage podding by specified dates, 1977-83

Year	July		August		
	20	30	10	20	30
1977	39	69	81	- ¹	
1978	14	44	74	95	- ¹
1979	0	37	83	98	- ¹
1980	22	51	78	91	- ¹
1981	26	54	79	93	- ¹
1982	0	19	55	72	91
1983	0	38	72	94	- ¹

Percent of acreage harvested by specified dates, 1977-82

Year	September		October			November
	20	30	10	20	30	10
1977	3	24	39	69	84	- ¹
1978	0	21	41	68	90	- ¹
1979	0	23	66	93	- ¹	
1980	1	26	70	90	- ¹	
1981	3	29	59	73	90	96
1982	0	4	15	36	83	94

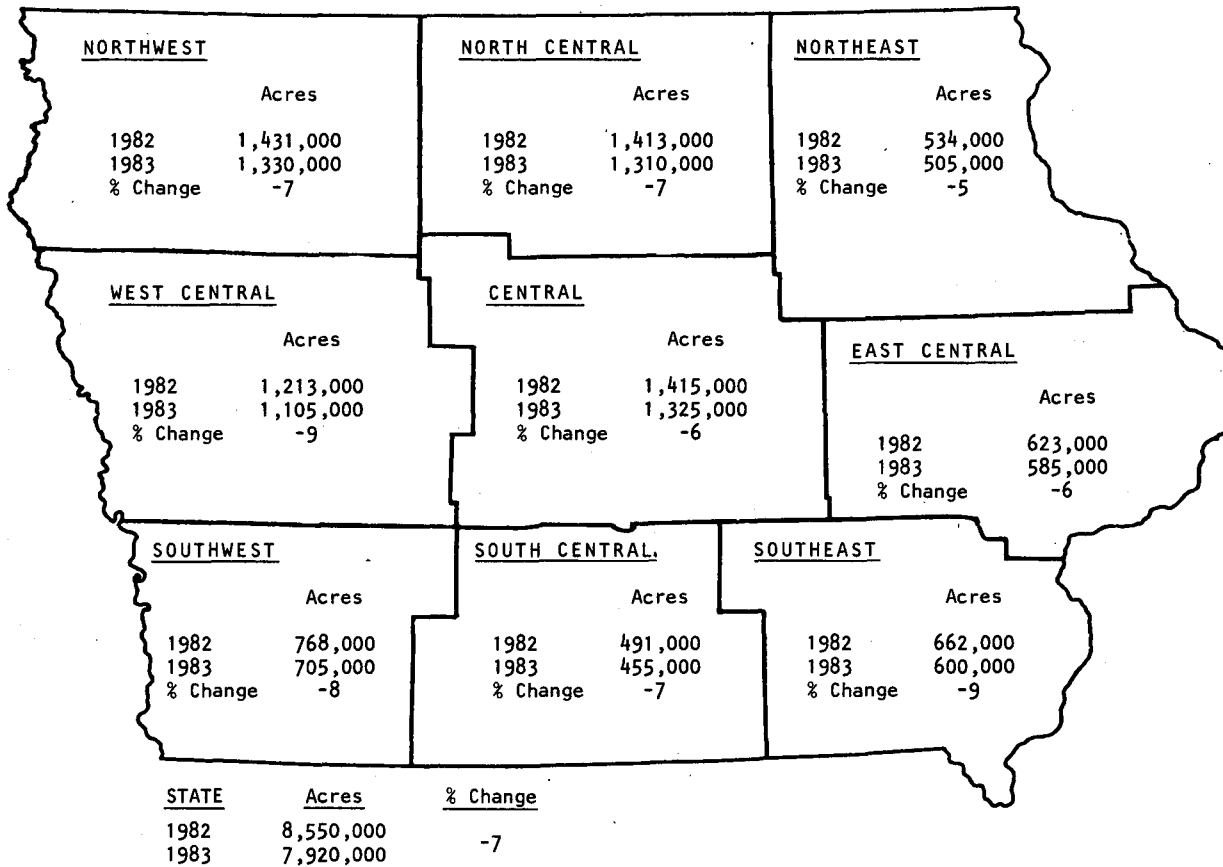
¹Virtually completed.

LEADING SOYBEAN VARIETIES AND PERCENT OF TOTAL HARVESTED ACREAGE, IOWA AND SELECTED STATES, 1982 CROP¹

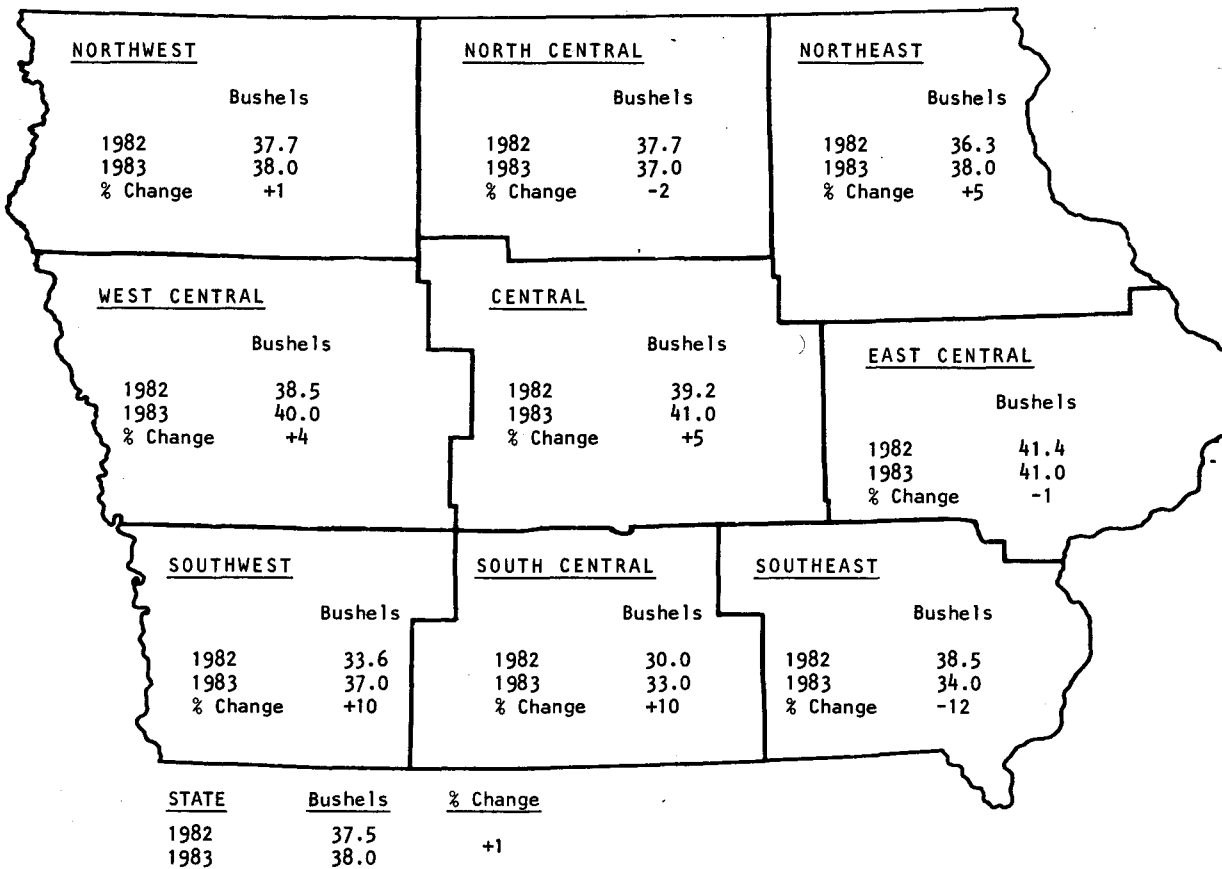
State	Leading varieties by percent of acreage harvested					
	First		Second		Third	
	Variety	Percent	Variety	Percent	Variety	Percent
Illinois	Williams ²	33.5	Asgrow ³	8.7	Peterson ³	4.9
Indiana	Williams ²	24.4	Asgrow ³	9.2	Century	8.4
Iowa	Northrup King ^{3,4}	8.6	Peterson ^{3,4}	8.6	Corsoy ²	8.3
Minnesota	Evans	18.1	Corsoy ^{2,5}	15.4	Hodgson ⁵	15.4
Missouri	Williams ²	55.7	Forrest	10.0	Asgrow ³	5.7
Ohio	Williams ²	20.3	Beeson ³	8.9	Amsoy ²	6.8

¹Reported for sample fields used for obtaining objective yield data. ²Includes varieties which have additional numerical indications such as Williams "79", Amsoy "71", Pickett "71", etc. ³Private variety; includes all numeric variety designations marketed under company name. ⁴Tied for first place. ⁵Tied for second place.

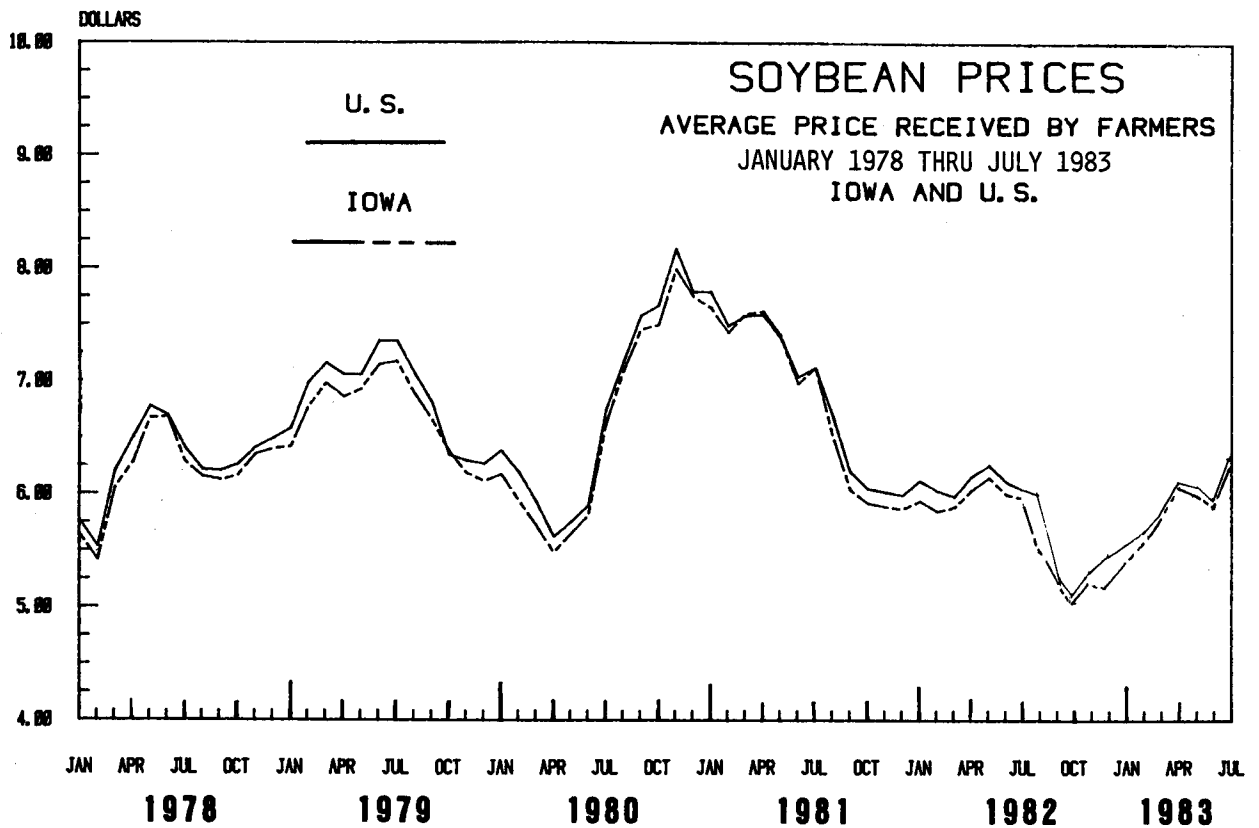
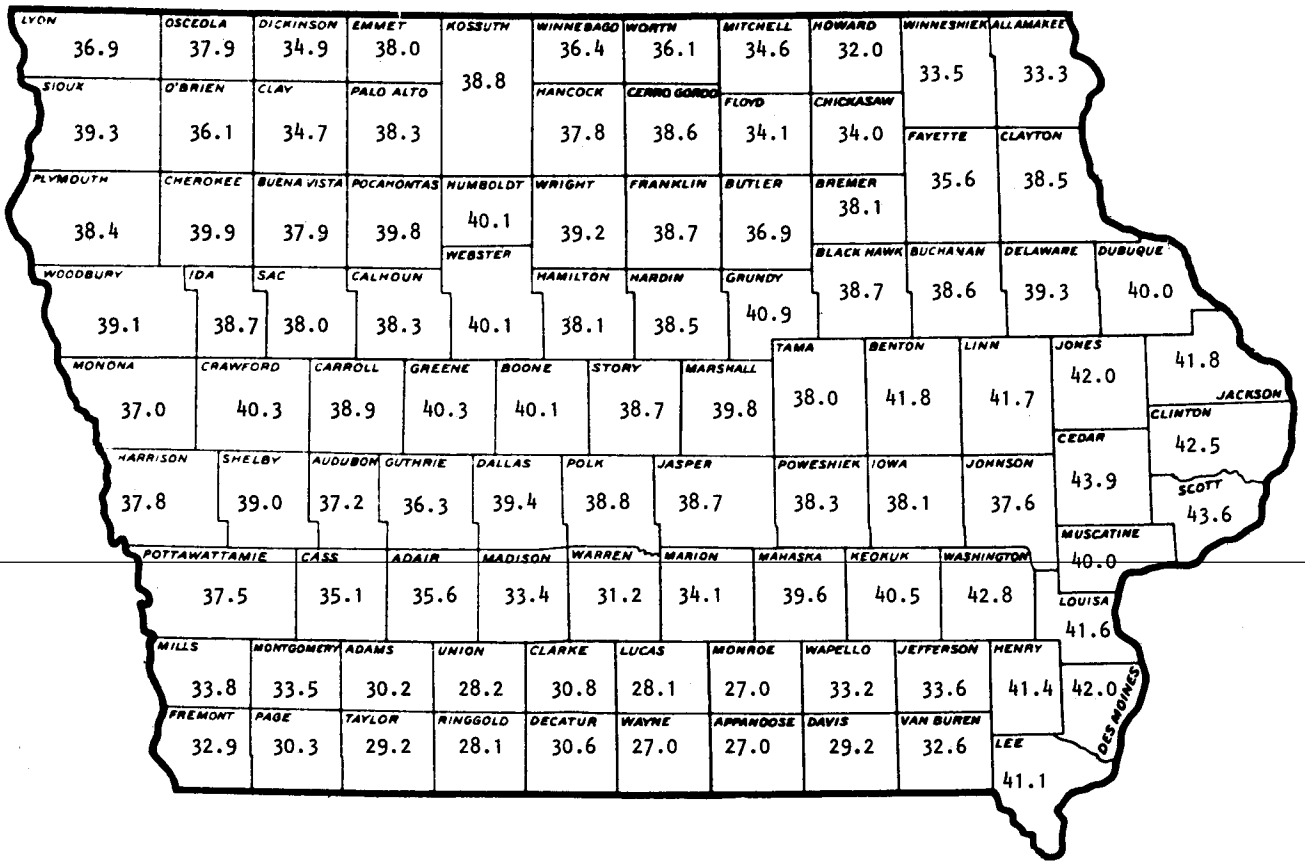
IOWA SOYBEAN ACREAGE FOR HARVEST, 1982 AND 1983



IOWA SOYBEAN YIELD, 1982 AND 1983



1982 SOYBEANS: COUNTY ESTIMATES YIELD BY COUNTY, IOWA



SOURCE: CROP REPORTING BOARD, SRS. USDA

Soybeans: Acreage, Yield, And Production, By County, 1982¹

County and district	Planted for all purposes	Harvested for grain	Yield per acre	Pro-duction	County and district	Planted for all purposes	Harvested for grain	Yield per acre	Pro-duction
	----- Acres -----		Bu.	1000/bu.		----- Acres -----		Bu.	1000/bu.
Buena Vista	137,000	136,600	37.9	5,173	Marshall	88,500	88,500	39.8	3,523
Cherokee	105,000	104,200	39.9	4,157	Polk	97,800	96,300	38.8	3,735
Clay	132,000	130,900	34.7	4,542	Poweshiek	75,800	75,600	38.3	2,895
Dickinson	80,900	79,900	34.9	2,789	Story	142,000	141,500	38.7	5,482
Emmet	95,100	95,000	38.0	3,613	Tama	112,000	111,900	38.0	4,247
Lyon	112,000	111,900	36.9	4,127	Webster	187,000	186,400	40.1	7,479
O'Brien	140,000	138,500	36.1	4,997	<u>C District</u>	<u>1,422,000</u>	<u>1,415,000</u>	<u>39.2</u>	<u>55,399</u>
Osceola	102,000	101,700	37.9	3,852	Benton	128,000	127,800	41.8	5,336
Palo Alto	139,000	138,100	38.3	5,286	Cedar	74,900	74,900	43.9	3,289
Plymouth	133,000	132,800	38.4	5,094	Clinton	73,100	72,300	42.5	3,073
Pocahontas	150,000	149,200	39.8	5,934	Iowa	47,900	47,700	38.1	1,818
Sioux	113,000	112,200	39.3	4,409	Jackson	8,300	8,300	41.8	347
<u>NW District</u>	<u>1,439,000</u>	<u>1,431,000</u>	<u>37.7</u>	<u>53,973</u>	Johnson	56,100	55,000	37.6	2,068
Butler	110,000	110,000	36.9	4,063	Jones	45,100	45,100	42.0	1,893
Cerro Gordo	121,000	121,000	38.6	4,672	Linn	102,000	102,000	41.7	4,250
Floyd	112,000	112,000	34.1	3,824	Muscatine	52,500	52,200	40.0	2,086
Franklin	125,000	124,700	38.7	4,820	Scott	38,100	37,700	43.6	1,642
Hancock	131,000	131,000	37.8	4,953	<u>EC District</u>	<u>626,000</u>	<u>623,000</u>	<u>41.4</u>	<u>25,802</u>
Humboldt	117,000	117,000	40.1	4,692	Adair	61,500	61,400	35.6	2,184
Kossuth	256,000	255,200	38.8	9,893	Adams	47,100	47,100	30.2	1,423
Mitchell	91,700	91,300	34.6	3,162	Cass	76,900	76,700	35.1	2,696
Winnebago	93,500	93,500	36.4	3,408	Fremont	116,000	113,900	32.9	3,751
Worth	92,800	92,800	36.1	3,346	Mills	85,500	85,500	33.8	2,890
Wright	165,000	164,500	39.2	6,448	Montgomery	75,500	75,500	33.5	2,533
<u>NC District</u>	<u>1,415,000</u>	<u>1,413,000</u>	<u>37.7</u>	<u>53,281</u>	Page	87,900	87,500	30.3	2,654
Allamakee	4,000	4,000	33.3	133	Pottawattamie	153,000	152,100	37.5	5,707
Black Hawk	97,800	97,800	38.7	3,787	Taylor	68,600	68,300	29.2	1,997
Bremer	69,700	69,600	38.1	2,654	<u>SW District</u>	<u>772,000</u>	<u>768,000</u>	<u>33.6</u>	<u>25,835</u>
Buchanan	80,000	80,000	38.6	3,085	Appanoose	39,400	38,200	27.0	1,032
Chickasaw	75,500	75,200	34.0	2,556	Clarke	33,300	33,200	30.8	1,021
Clayton	6,100	6,000	38.5	231	Decatur	36,800	36,200	30.6	1,109
Delaware	26,300	26,300	39.3	1,034	Lucas	25,300	24,300	28.1	682
Dubuque	2,100	2,100	40.0	84	Madison	66,000	65,400	33.4	2,184
Fayette	78,500	78,000	35.6	2,779	Marion	61,700	58,700	34.1	2,001
Howard	76,000	76,000	32.0	2,430	Monroe	26,000	25,000	27.0	675
Howard	76,000	76,000	32.0	2,430	Ringgold	58,800	58,500	28.1	1,646
Winneshiek	19,000	19,000	33.5	636	Union	33,300	33,100	28.2	935
<u>NE District</u>	<u>535,000</u>	<u>534,000</u>	<u>36.3</u>	<u>19,409</u>	Warren	61,800	59,300	31.2	1,851
Audubon	62,500	62,500	37.2	2,322	Wayne	60,600	59,100	27.0	1,596
Calhoun	139,000	136,900	38.3	5,244	<u>SC District</u>	<u>503,000</u>	<u>491,000</u>	<u>30.0</u>	<u>14,732</u>
Carroll	104,000	104,000	38.9	4,049	Davis	42,600	41,400	29.2	1,209
Crawford	103,000	103,000	40.3	4,146	Des Moines	53,300	53,300	42.0	2,236
Greene	135,000	135,000	40.3	5,442	Henry	55,900	54,500	41.4	2,258
Guthrie	82,100	82,100	36.3	2,982	Jefferson	61,200	60,600	33.6	2,038
Harrison	116,000	116,000	37.8	4,388	Keokuk	70,200	68,800	40.5	2,784
Ida	66,700	66,700	38.7	2,579	Lee	66,200	65,900	41.1	2,707
Monona	113,000	112,300	37.0	4,160	Louisia	66,000	65,900	41.6	2,743
Sac	115,000	114,900	38.0	4,367	Mahaska	82,200	78,100	39.6	3,096
Shelby	85,300	85,300	39.0	3,330	Van Buren	48,100	47,900	32.6	1,563
Woodbury	94,400	94,300	39.1	3,687	Wapello	53,400	53,100	33.2	1,761
<u>WC District</u>	<u>1,216,000</u>	<u>1,213,000</u>	<u>38.5</u>	<u>46,696</u>	Washington	72,900	72,500	42.8	3,103
Boone	125,000	125,000	40.1	5,011	<u>SE District</u>	<u>672,000</u>	<u>662,000</u>	<u>38.5</u>	<u>25,498</u>
Dallas	124,000	123,900	39.4	4,886	State	8,600,000	8,550,000	37.5	320,625
Grundy	109,000	109,000	40.9	4,454					
Hamilton	154,000	153,900	38.1	5,861					
Hardin	110,000	109,800	38.5	4,223					
Jasper	96,900	93,200	38.7	3,603					

¹Preliminary.

Iowa Crop Report

IOWA
Crop & Livestock
Reporting
Service
515-284-4340

Vol. 83-8

August 12, 1983

**HIGHLIGHTS - Crop Production
Farm Numbers**

CROP PRODUCTION, AUGUST 1

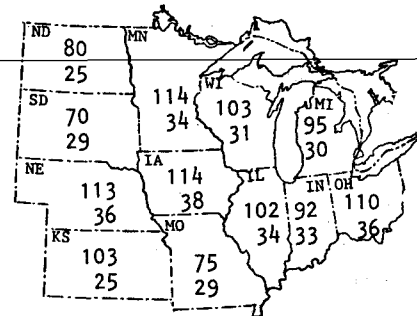
IOWA: Production for both corn and soybeans in 1983 is forecasted to be well below last year's crop. Abundant rains fell over the northwest part of the state making planting difficult and behind normal, while the southeast part of the state has been plagued by subnormal rainfall since planting. By August 1 the dry conditions had caused some moderate to severe crop losses in the southeast with damage also being reported in the south central and east central areas of the state.

Corn: As of August 1, the statewide corn yield for Iowa is forecast at 114 bushels per acre, 7 bushels below last year's yield of 121 bushels per acre and 13 bushels below the record yields set in 1979 and 1981. Production is forecasted at 980 million bushels, 38 percent below last year's total of 1.59 billion bushels. Ninety-five percent, or 8.6 million acres of the 9.1 million acres planted, is estimated to be harvested for grain.

Soybeans: The August 1 yield forecast of 38 bushels per harvested acre will result in a production of 301 million bushels of soybeans. This compares to last year's yield of 37.5 bushels per acre and 6 percent below the 1982 production of 321 million bushels. The intended acreage for harvest of 7.92 million acres is 7 percent below the 8.55 million acres harvested last year.

Other Crops: Forecasted oat production is 42.4 million bushels from 800 thousand acres. The corresponding yield estimate of 53 bushels per acre

TOP FIGURE IS CORN YIELD, Bu/A
BOTTOM FIGURE IS SOYBEAN YIELD, Bu/A



is 3 bushels below the 1982 yield of 56 bushels and 10 bushels below the record 63 bushels per acre in 1979. All hay yield is expected to be 3.24 tons per acre with a total production of 6.48 million tons. The forecasted sorghum for grain production is 1.05 million bushels on 15 thousand acres. The estimated yield of 70 bushels per acre is 5 bushels above the yield of a year ago.

Pasture: July's dry weather reduced the August 1 pasture condition to 67 percent of normal compared to last month's 89 percent and last year's 93 percent. Pasture condition is 19 percentage points below the 5-year average of 86 percent.

CORN DISTRICT ESTIMATES, IOWA, 1982-83¹

SOYBEAN DISTRICT ESTIMATES, IOWA, 1982-83¹

District	Acres for hvst.		Yield/ac. ²		Production		Acres for hvst.		Yield/ac. ²		Production	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
	Thousands		Bushels		Million bushels		Thousands		Bushels		Million bushels	
NW (1)	1,894	1,230	118.4	114	224.3	140.2	1,431	1,330	37.7	38	54.0	50.0
NC (2)	1,749	1,100	126.4	131	221.0	144.5	1,413	1,310	37.7	37	53.3	48.5
NE (3)	1,539	1,040	125.3	125	192.9	130.3	534	505	36.3	38	19.4	19.2
WC (4)	1,929	1,260	116.9	113	225.6	142.3	1,213	1,105	38.5	40	46.7	43.8
C (5)	1,853	1,150	127.7	126	236.6	145.2	1,415	1,325	39.2	41	55.4	54.5
EC (6)	1,534	1,010	130.5	118	200.2	119.2	623	585	41.4	41	25.8	23.8
SW (7)	997	670	104.0	97	103.7	64.7	768	705	33.6	37	25.8	26.1
SC (8)	617	440	93.3	86	57.6	37.9	491	455	30.0	33	14.7	15.0
SE (9)	1,038	700	124.6	80	129.3	56.1	662	600	38.5	34	25.5	20.1
State	13,150	8,600	121.0	114	1,591.2	980.4	8,550	7,920	37.5	38	320.6	301.0

¹1983 preliminary. ²Yield rounded.

FARM NUMBERS CONTINUE DECLINE

The number of farms in the United States in 1983 is estimated at 2.37 million, down 1 percent from the 2.40 million in 1982. The sharpest declines were in the southeast and east north central states. Except for 1981, the number of farms has declined every year since 1936.

Total land in farms for 1983 is 1035 million acres, down fractionally from a year earlier. In 1983 the average farm size is 437 acres compared with 433 in 1982.

NUMBER OF FARMS, IOWA, U.S., 1978-83

Year	Iowa		United States	
	Number of farms	Average size	Number of farms	Average size
	Thousands	Acres	Thousands	Acres
1978	123	275	2,436	429
1979	121	279	2,430	429
1980	119	284	2,428	429
1981	118	286	2,434	428
1982	117	289	2,400	433
1983 ¹	115	293	2,370	437

¹Preliminary.

AUGUST 1983 CROP SUMMARY - IOWA

Crop	Acres for harvest		Yield per acre		Production	
	1982	1983	1982	1983	1982	1983
	Thousands	Thousands	Bushels	Bushels	Thousand bushels	Thousand bushels
Corn, grain	13,150	8,600	121.0	114.0	1,591,150	980,400
Winter wheat ¹	100	50	30.0	38.0	3,000	1,900
Oat	1,000	800	56.0	53.0	56,000	42,400
Soybeans, for beans	8,550	7,920	37.5	38.0	320,625	300,960
Rye ¹	4	4	28.0	32.0	112	128
Sorghum, for grain	10	15	65.0	70.0	650	1,050
Hay, all ²	2,240	2,000	3.69	3.24	8,260	6,480
Potatoes, summer ^{1,3}	1.5	1.6	205	185	308	296
Pasture condition ⁴	-	-	93	67	-	-

¹Indicated July 1. ²Yield in tons and production in thousand tons. ³Yield and production in cwt. ⁴Percent of normal August 1.


AUGUST 1983 CROP SUMMARY - UNITED STATES

Crop	Acres for harvest		Yield per acre		Production	
	1982	1983	1982	1983	1982	1983
	Thousands	Thousands	Bushels	Bushels	Thousand bushels	Thousand bushels
Corn, grain	73,152	52,414	114.8	99.9	8,397,334	5,236,558
Wheat, all	78,841	60,969	35.6	39.8	2,808,737	2,423,932
Winter	58,347	47,242	36.1	41.6	2,108,246	1,963,243
Durum	4,217	2,460	35.0	32.9	147,503	80,957
Other Spring	16,277	11,267	34.0	33.7	552,988	379,732
Oats	10,561	9,058	58.4	55.7	616,981	504,201
Soybeans, for beans	70,783	62,108	32.2	29.7	2,276,976	1,843,459
Barley	9,113	9,905	57.3	56.0	522,387	554,315
Rye	715	858	29.1	30.0	20,817	25,698
Sorghum for grain	14,247	10,137	59.0	55.5	841,079	562,366
Hay, all ¹	60,679	60,394	2.51	2.41	152,424	145,564
Potatoes, summer ²	96.8	93.9	222	189	21,460	17,722
Pasture condition ³	-	-	86	76	-	-

¹Yield in tons and production in thousand tons. ²Yield and production in cwt. ³Percent of normal August 1.

IOWA crops & weather

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Crop & Livestock
Reporting
Service
515-284-4340

For week ending August 28, 1983

(USPS 377-930) CW 25-83

Issued August 29, 1983 3:00 P.M.

A Very Hot Week

Very hot. Scattered thundershowers with a few locally heavy rainfalls, hail, and damaging winds. Precipitation averaged near normal north and central, but amounts were light over the southern, east central, and west central districts. Temperatures ranged from 55° at Elkader on the 23rd to 107° at Leon on the 26th. August temperatures, averaging 8° above normal to date, compare with those of the mid-1930's and second only to 1947. August precipitation to date averaged less than 40% of normal statewide, but in several southern and east central counties the average is near 20% of the normal.

Recent Rains Improve Crop Conditions Slightly

The moisture came too late to help most of the corn in the state, especially in the east central, south central, and southeast districts. The condition of the corn crop did show some minor improvement in the fair category over the remainder of the state. Seventeen percent of the reports rated the crop as very poor, 19% was rated as poor, 48% fair, and 16% good. Ninety-six percent of the corn is in or past the milk stage, which is normal for this time of year and compares to 90% last week and 88% last year. Seventy-eight percent of the crop is in or past the dough stage compared to 59% last week and 61% last year. Normal progress is 81%. Forty percent of the corn acreage is in the dent stage, slightly behind the normal of 41%. This compares with 18% last week and 25% last year. Some producers in the east central, south central, and southeast districts have begun to harvest the poorer corn fields for feed and fodder by green-chopping, mowing for hay, or pasturing.

Condition of the soybean crop was reported to be 6% very poor, 17% poor, 59% fair, 17% good, and 1% excellent. Ten percent of the acreage has leaves starting to turn color. This compares with last year's and the normal 11%. The recent showers should help with pod filling, but more rain is needed. Some producers in southeast Iowa are harvesting some of their soybeans for hay. Insects have also become more of a problem in soybeans across the state. Soybeans are being damaged by woolly bear caterpillars, green clover worms, and spider mites, making spraying necessary--especially in the northwest district.

Six days were suitable for field work this past week. Fifty percent of the 3rd cutting of alfalfa hay has been harvested compared to 30% last week and 49% last year. Normal progress is 53%. There were numerous reports from southern Iowa indicating there would be no third cutting. Ninety-two percent of the 2nd cutting of clover hay is harvested, which is also the normal for this time of year and compares to 87% last week and 89% last year. Condition of the hay crop was 28% very poor, 35% poor, 33% fair, 3% good, and 1% excellent.

Topsoil moisture supplies were rated as 83% short and 17% adequate. Subsoil moisture was reported to be 76% short, and 24% adequate.

Livestock

Livestock conditions have changed very little this past week. Movement of cattle to sale barns has increased in south central and southeastern Iowa where feed is short and pastures are in very poor condition. State-wide pasture conditions are rated as 35% very poor, 37% poor, 26% fair, 1% good, and 1% excellent.

Field work progress as of August 28, 1983	Crop Reporting District									State	Last Week	Last Year
	NW	NC	NE	WC	C	EC	SW	SC	SE			
% Corn Acreage in Milk Stage	91	97	97	95	99	100	57	93	98	96	90	88
% Corn Acreage in Dough Stage	70	72	75	73	85	80	81	80	86	78	59	61
% Corn Acreage in Dent Stage	23	36	37	34	44	45	45	46	50	40	18	25
% Soybean Acreage w/Leaves Turning	6	9	11	9	9	16	8	9	11	10	NA	11
% 3rd Crop Alfalfa Hay Harvested	41	47	50	55	50	54	45	61	50	50	30	49
% 2nd Crop Clover Hay Harvested	92	92	92	88	90	97	95	85	100	92	87	89

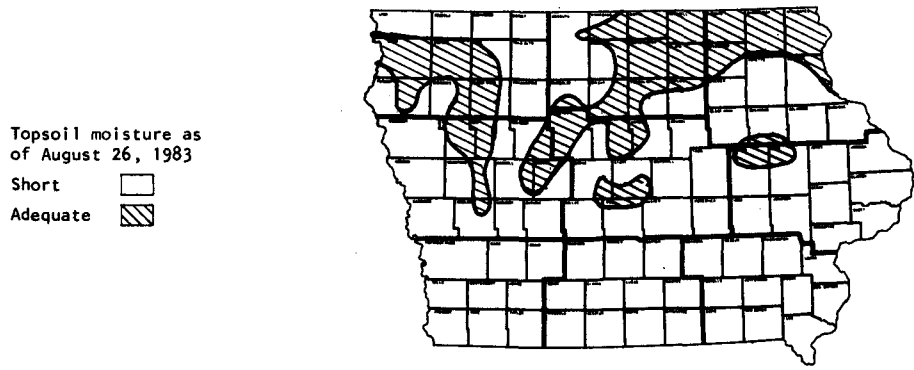
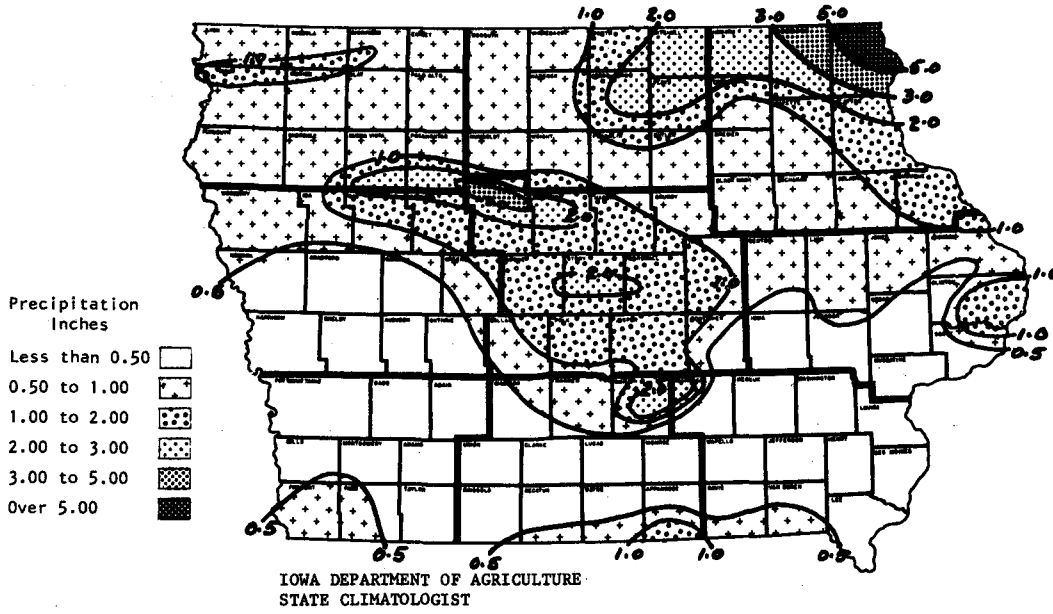
Reporting as of August 26, 1983

Days suitable	5.5	5.7	5.4	5.6	6.0	6.4	6.0	6.7	6.7	6.0	7.0	5.9
Topsoil moisture - Short	54	67	61	86	86	94	100	100	100	83	98	30
(Percent) Adequate	46	33	39	14	14	6	0	0	0	17	2	67
Surplus	0	0	0	0	0	0	0	0	0	0	0	3
Subsoil moisture - Short	38	62	72	67	82	94	86	95	100	76	77	1
(Percent) Adequate	62	38	28	33	18	6	14	5	0	24	23	95
Surplus	0	0	0	0	0	0	0	0	0	0	0	4

U.S. DEPARTMENT OF COMMERCE
NOAA - National Weather Service

In cooperation with
IOWA DEPARTMENT OF AGRICULTURE

U.S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service



Dist.	WEEKLY WEATHER BY DISTRICTS Week ending Aug. 29, 1983													
	TEMPERATURE (degrees)				PRECIPITATION (Inches)							GROWING DEGREE DATA**		
	Avg. Last Week	Departure*			Average			Departure*				Average		Departure*
		Last Week	Last 2 Weeks	Last 4 Weeks	Last Week	Last 4 Weeks	Since April 1	Last Week	Last 4 Weeks	Since April 1	Last Week	Since May 1	Last Week	Since May 1
NW	77	+9	+10	+8	0.9	1.5	19.1	+0.1	-2.0	+1.6	183	2254	+45	+134
NC	76	+8	+11	+8	0.9	1.8	16.5	±0	-1.9	-2.0	177	2169	+43	+105
NE	76	+8	+10	+7	1.2	1.7	19.2	+0.3	-2.0	-0.8	178	2196	+46	+137
WC	80	+10	+11	+8	0.5	1.5	16.6	-0.3	-2.0	-1.9	196	2419	+54	+195
C	78	+9	+12	+8	1.5	2.3	20.2	+0.6	-1.4	+0.3	189	2376	+49	+154
EC	78	+8	+11	+7	0.5	0.9	13.5	-0.3	-2.7	-5.9	195	2472	+52	+224
SW	82	+11	+12	+9	0.3	1.1	14.1	-0.7	-3.1	-6.4	197	2532	+47	+140
SC	82	+11	+13	+10	0.4	0.7	13.1	-0.5	-3.1	-7.1	198	2464	+47	+95
SE	82	+11	+13	+9	0.2	1.2	12.6	-0.7	-2.5	-7.2	204	2557	+54	+162

*Departures are computed from 1951-80 normals. Iowa Dept. of Agriculture
 **Week ending Aug. 26, 1983. State Climatologist
 Monthly estimates are preliminary.



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