

Crops & Weather

National Agricultural Statistics Service Iowa Field Office

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In Cooperation with the Iowa Department of Agriculture and Land Stewardship

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For the week ending September 1, 2013

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Above average temperatures prevailed across Iowa during the week ending September 1, 2013, according to the USDA, National Agricultural Statistics Service. Although most of the State received little or no rainfall, parts of western Iowa experienced beneficial rain. While hot temperatures allowed crops to mature, crop conditions deteriorated last week in response to the heat and lack of moisture. Statewide there was an average of 6.7 days suitable for fieldwork.

A total of 22 percent of topsoil and 26 percent of subsoil was in the adequate and surplus moisture categories, declining 6 and 8 percentage points from last week, respectively. Topsoil moisture levels rated 44 percent very short, 34 percent short, 22 percent adequate and 0 percent surplus. Subsoil moisture levels rated 35 percent very short, 39 percent short, 26 percent adequate and 0 percent surplus.

Ninety-four percent of the corn crop reached the milk stage, 4 percentage points behind normal. Seventy-three percent of the crop reached the dough stage, trailing the normal 88 percent. Thirty-three percent of the crop has reached the dent stage, 12 days behind normal. A small portion of the earliest planted corn was mature. Corn condition declined from the previous week, and was rated at 8 percent very poor, 17 percent poor, 36 percent fair, 33 percent good and 6 percent excellent. Ninety-three percent of the soybean crop was setting pods, behind last year's 99 percent and the normal 98 percent. Some of the earliest planted soybeans have begun turning color. Soybean condition also declined from last week and was rated 8 percent very poor, 16 percent poor, 37 percent fair, 34 percent good and 5 percent excellent.

The warm and mostly dry conditions allowed the harvest of third cutting alfalfa to reach 77 percent compete, above the normal 72 percent, but still well behind last year's 98 percent. Pasture

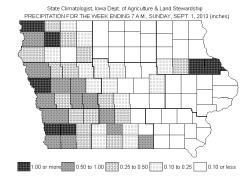
condition continued to deteriorate, and was rated 24 percent very poor, 28 percent poor, 33 percent fair, 14 percent good and 1 percent excellent.

IOWA PRELIMINARY WEATHER SUMMARY Provided by Harry Hillaker, State Climatologist Iowa Department of Agriculture & Land Stewardship

It was a hot and dry week across Iowa. A few lucky areas received substantial rainfall while no rain fell over much of southeast Iowa and portions of north central and northeast Iowa. This was the hottest week of the year with temperatures averaging 11.7 degrees above normal. A hotter week was last recorded during the first week of July 2012. Actual temperatures peaked at 104 degrees at Des Moines and Fort Madison on Friday (30th) while the heat index reached 108 degrees at Iowa City on Wednesday (28th) afternoon. Slightly cooler air finally arrived on Saturday (31st) with Sheldon reporting a morning low of 57 degrees while afternoon highs in the nineties were confined to the southern one-half of Iowa. There were only two periods of rain during the week. A narrow area of thunderstorms formed late Friday (30th) into Saturday (31st) morning from the Newton-Marshalltown area northeastward to Dubuque with a maximum report of 2.46 inches of rain at Lock & Dam 11 at Dubuque. A larger area of thunderstorms brought rain to much of the southwest one-half of Iowa late Saturday (31st) into Sunday (1st) morning. A few locations received more than an inch of rain with Sheldon reporting the most with 1.72 inches. The statewide average rainfall was 0.28 inches while normal for the week is 0.90 inches. High winds and some hail accompanied the rain in far northwest Iowa along with reports of winds flattening corn in Dallas County in central Iowa.

Crop Conditions as of September 1, 2013

Item	Very Poor	Poor	Fair	Good	Excellent
	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)
Corn	8	17	36	33	6
Soybeans	8	16	37	34	5
Pasture & Range	24	28	33	14	1



Field Work and Crop Progress as of September 1, 2013

Item	Districts									State	Last	Last	5-yr
	NW	NC	NE	WC	С	EC	SW	SC	SE	State	Week	Year	Avg
	(Percent)												
Corn in or past milk stage	92	91	94	96	97	94	96	93	89	94	80	100	98
Corn in or past dough stage	73	64	61	80	80	82	78	73	70	73	46	98	88
Corn in or past dent stage	30	19	19	41	42	46	39	38	31	33	9	89	64
Soybeans setting pods	97	95	95	97	89	92	93	93	86	93	83	99	98
Hay, alfalfa - 3rd cutting	81	77	78	89	81	93	66	65	77	77	61	98	72

Days Suitable & Soil Moisture Condition as of September 1, 2013

Item			C+-+-	Last	Last							
nem	NW	NC	NE	WC	С	EC	SW	SC	SE	State	Week	Year
	(Days)											
Days suitable	6.4	6.8	6.8	6.4	6.9	7.0	6.3	7.0	7.0	6.7	6.3	6.4
	(Percent)											
Topsoil moisture												
Very short	22	12	11	53	61	60	52	78	66	44	35	50
Short	34	41	49	23	35	38	31	18	32	34	37	33
Adequate	44	46	39	24	4	2	17	4	2	22	28	16
Surplus	0	1	1	0	0	0	0	0	0	0	0	1
Subsoil moisture												
Very short	16	10	8	46	42	45	50	66	52	35	26	66
Short	45	34	40	38	45	40	38	26	41	39	40	29
Adequate	39	55	51	16	13	15	12	8	7	26	33	5
Surplus	0	1	1	0	0	0	0	0	0	0	1	0

Weather Summary For National Agricultural Statistics Service, Iowa Field Office. For the week ending: 7:00 am Sunday, September 1, 2013, Prepared by AWIS, Inc.

	7:00 am Sunday, September 1, 2013, Prepared by AWIS, Inc. Current Week Since April 1														
				rrent Week		Since April 1									
Station	Temperature		Precipita		Precipitat		GDD Base								
	High	Low	Avg.	DFN	Total	DFN	Total	DFN	Total	DFN					
					No	orth West Di	strict								
Estherville	92	60	79	14	0.03	-0.81	14.97	-2.48	2,216	88					
Sioux Center		60	78	11	0.10	-0.67	23.68	6.43	2,444	-100					
Spencer		58	80	14	0.26	-0.58	19.07	0.72	2,351	67					
Spirit Lake	94	49	78	13	0.30	-0.54	13.58	-3.78	2,286	37					
					Nor	th Central D									
Britt	93	63	79	12	0.13	-0.70	24.14	5.09	2,194	12					
Dakota City		63	80	13	0.09	-0.80	22.86	3.22	2,342	-20					
Mason City		61	80	14	0.00	-0.98	26.75	6.64	2,242	10					
Osage	92	65	79	13	0.00	-1.05	33.31	12.81	2,145	5					
		North East District													
Decorah	91	65	80	13	0.00	-0.95	34.50	14.83	2,316	33					
Dubuque	92	65	78	12	0.26	-0.88	25.72	4.73	2,258	24					
Elkader	93	63	79	12	0.01	-0.90	30.21	10.57	2,022	-180					
Fayette		61	79	12	0.00	-0.98	28.93	8.29	2,175	134					
Waterloo	95	64	81	15	0.09	-0.71	28.98	8.54	2,435	40					
		West Central District													
Carroll	98	65	82	15	0.49	-0.35	19.08	-1.74	2,422	-22					
Castana	94	64	80	12	0.75	-0.09	20.75	2.42	2,349	-306					
Guthrie Center	100	64	82	14	0.52	-0.46	25.53	5.19	2,431	-61					
Harlan	95	64	78	10	0.76	-0.20	24.38	5.03	2,407	6					
Jefferson		63 65	81 80	14 11	0.07 0.91	-0.77 0.07	21.78 19.28	0.96 0.34	2,361 2,495	-95 -103					
Logan Rockwell City	97	63	81	13	0.91	-0.66	22.26	2.49	2,493	-103					
Sac City		62	80	13	0.25	-0.56	18.73	-0.65	2,244	-34					
Sioux City	92	64	80	11	0.42	-0.28	17.32	1.26	2,524	-5					
		Central District													
Page	98	65	81	14	0.11	-0.80	23.33	2.34	2,380	-49					
Boone Des Moines	104	70	86	16	0.11	-0.80 -0.76	19.25	-0.34	2,360	251					
Grundy Center		67	81	16	0.05	-0.76	28.42	8.20	2,318	47					
Marshalltown	97	67	82	15	0.00	-1.04	28.92	7.86	2,483	83					
Newton	102	68	83	15	0.09	-0.84	22.42	2.61	2,473	-176					
Perry	101	65	82	15	0.32	-0.57	23.29	3.31	2,475	62					
Toledo	98	66	82	15	0.05	-0.93	27.48	6.18	2,263	-9					
	East Central District														
Cedar Rapids	100	66	82	14	0.00	-0.95	25.11	5.40	2,494	-7					
Davenport		63	81	11	0.00	-0.91	22.50	2.95	2,585	-175					
Iowa City	101	66	83	13	0.00	-0.98	23.37	1.64	2,679	-179					
Lowden		63	81	14	0.00	-1.05	31.30	9.45	2,414	71					
Maquoketa		61	79	12	0.00	-1.05	19.32	-0.48	2,248	-63					
Muscatine	98	65	81	11	0.10	-0.81	23.45	3.14	2,583	-161					
					So	uth West Di	strict								
Atlantic	95	62	80	12	0.35	-0.54	18.43	-0.10	2,382	-133					
Clarinda	99	63	79	10	0.88	-0.17	20.21	-1.99	2,520	0					
Glenwood		66	82	13	0.84	-0.07	19.87	-0.34	2,536	-206					
Red Oak		67	81	10	1.28	0.24	21.86	-0.02	2,626	4					
Sidney	99	67	82	12	0.40	-0.58	18.38	-2.42	2,665	-103					
					Sou	th Central D	District								
Allerton	100	66	81	13	0.13	-0.89	24.96	4.24	2,450	-87					
Beaconsfield		65	81	12	0.25	-0.71	21.75	1.64	2,409	-98					
Chariton		63	81	12	0.22	-0.82	24.96	3.91	2,359	-73					
	99	66	82	13	0.36	-0.55	21.98	1.77	2,513	103					
Indianola		66	83	12	0.31	-0.74	20.72	-0.39	2,706	65					
	101														
Indianola Lamoni	101				Sc	outh East Dis	strict	,							
Indianola Lamoni Bloomfield	101	67	83	13	0.00	-1.07	22.62	1.55	2,715	85					
Indianola	101 100	67 66	83	13	0.00 0.00	-1.07 -0.92	22.62 20.79	1.19	2,787	-16					
Indianola Lamoni Bloomfield	101 100	67			0.00	-1.07	22.62								

⁰ Precipitation (rain, melted snow or ice) in inches. Precipitation Days = Days with precipitation of 0.01 inch or more. Air Temperatures in Degrees Fahrenheit. Copyright 2013: AWIS, Inc. All Rights Reserved.