



USDA National Agricultural Statistical Service, Iowa Field Office • 210 Walnut, Room 833 • Des Moines, Iowa 50309-2195  
Phone 515-284-4340 • 1-800-772-0825 • Fax 515-284-4342 • [nass-ia@nass.usda.gov](mailto:nass-ia@nass.usda.gov)  
In Cooperation with the Iowa Department of Agriculture and Land Stewardship

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For the week ending July 7, 2013

Media Contact: Greg Thessen

The warmest and driest extended period of weather this year was seen across Iowa during the week ending July 7, 2013. The weather allowed field crops to develop, although some areas reported crops were beginning to need moisture. Statewide there was an average of 6.2 days suitable for fieldwork during the week, the most of any week this year. Northeast Iowa had only 5.8 days suitable for fieldwork and was the only district with less than six days suitable. Farmers were finishing side dressing fields.

The drier weather led to a decrease in both topsoil and subsoil moisture levels. Topsoil moisture levels rated 1 percent very short, 11 percent short, 76 percent adequate and 12 percent surplus. Subsoil moisture levels rated 0 percent very short, 4 percent short, 80 percent adequate and 16 percent surplus.

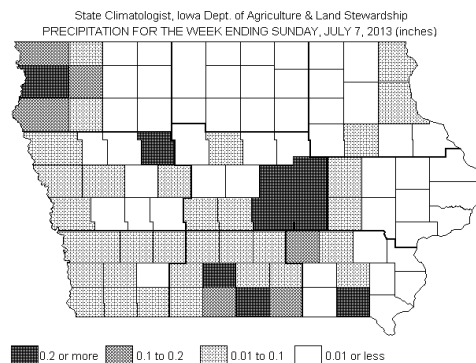
With reports of corn beginning to tassel in scattered fields across the state, the amount of the crop in good to excellent condition increased to 58 percent, a 1 percentage point increase from the previous week. Corn condition was rated 3 percent very poor, 9 percent poor, 30 percent fair, 44 percent good and 14 percent excellent. Ninety-five percent of the soybean crop has emerged; 3 percentage points behind the five-year average. Soybeans condition was rated 3 percent very poor, 8 percent poor, 33 percent fair, 44 percent good and 12 percent excellent. Ninety-four percent of the oat crop was headed, 1 percentage point behind the normal. Twenty-three percent of the oat crop has turned color, behind last year's 89 percent and the five-year average of 51 percent. The oat condition rated 0 percent very poor, 5 percent poor, 30 percent fair, 52 percent good and 13 percent excellent.

Farmers were close to wrapping up the 1st cutting of alfalfa and beginning to harvest the second cutting. The 1st cutting now stands at 97 percent complete, 1 percentage point ahead of normal, while the 2nd cutting is 8 percent complete, 30 percentage points behind the 5-year

average. Hay condition was rated at 1 percent very poor, 4 percent poor, 26 percent fair, 53 percent good and 16 percent excellent. Pasture and range conditions rated 1 percent very poor, 6 percent poor, 25 percent fair, 48 percent good and 20 percent excellent. Heat and insects were putting stress on livestock.

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

Iowa recorded its driest week in 13 weeks (early April) with most locations receiving no measurable rainfall. Most of the week's rain came on Tuesday (2nd) when showers and thunderstorms were scattered over the southwest two-thirds of the state. The greatest reported rainfall amount was 1.57 inches from a location a few miles north of Grinnell. Some of the stronger storms on Tuesday brought brief heavy rain and in some cases plentiful hail over small parts of central and south central Iowa. The statewide average precipitation was just 0.04 inches while normal for the week is 1.08 inches. The reporting week began with unseasonably mild conditions as temperatures averaged below normal from Sunday (30th) through Thursday (4th). Heat and humidity gradually returned over the weekend with scattered thunderstorms on Sunday (7th) afternoon and night (which will be included in next week's report). Temperature extremes for the week varied from Monday (1st) morning lows of 48 degrees at Atlantic and Chariton to afternoon highs of 93 degrees at Spencer on Saturday (6th) and Des Moines and Newton on Sunday (7th). Temperatures for the week as a whole averaged from two to three degrees below normal over the southeast to one to two degrees above normal over the northwest with a statewide average of 0.9 degrees below normal.



### Crop Conditions as of July 7, 2013

Item	Very Poor	Poor	Fair	Good	Excellent
	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)
Corn .....	3	9	30	44	14
Soybeans .....	3	8	33	44	12
Oats .....	0	5	30	52	13
Hay, all .....	1	4	26	53	16
Pasture & Range .....	1	6	25	48	20

### Field Work and Crop Progress as of July 7, 2013

Item	Districts										State	Last Week	Last Year	5-yr Avg
	NW	NC	NE	WC	C	EC	SW	SC	SE					
	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)
Soybeans emerged .....	96	88	92	98	94	99	95	96	94	95	89	100	98	
Oats headed .....	93	95	92	93	94	96	98	92	94	94	84	100	95	
Oats turned color .....	19	12	12	10	38	22	34	31	35	23	7	89	51	
Hay, alfalfa - 1st cutting .....	99	98	92	100	99	99	96	99	99	97	89	100	96	
Hay, alfalfa - 2nd cutting .....	7	3	11	8	3	15	7	3	8	8	NA	88	38	

### Days Suitable & Soil Moisture Condition as of July 7, 2013

Item	Districts										State	Last Week	Last Year
	NW	NC	NE	WC	C	EC	SW	SC	SE				
	(Days)	(Days)	(Days)	(Days)	(Days)	(Days)	(Days)	(Days)	(Days)	(Days)	(Days)	(Days)	(Days)
Days suitable .....	6.1	6.0	5.8	6.7	6.5	6.0	6.0	6.3	6.3	6.2	4.1	6.7	
	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	
Topsoil moisture													
Very short .....	0	1	0	3	0	1	0	1	0	1	0	45	
Short .....	12	3	2	23	14	9	14	11	6	11	1	41	
Adequate .....	81	80	66	69	80	76	74	79	81	76	66	14	
Surplus .....	7	16	32	5	6	14	12	9	13	12	33	0	
Subsoil moisture													
Very short .....	1	0	0	1	0	0	0	0	0	0	0	36	
Short .....	5	1	0	8	5	1	9	5	6	4	2	45	
Adequate .....	89	78	60	85	81	75	75	88	85	80	67	19	
Surplus .....	5	21	40	6	14	24	16	7	9	16	31	0	

NA = Not Available

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

Station	Current Week						Since April 1			
	Temperature				Precipitation		Precipitation		GDD Base 50F	
	High	Low	Avg.	DFN	Total	DFN	Total	DFN	Total	DFN
North West District										
Estherville .....	91	55	73	3	0.00	-0.85	12.89	1.85	1,034	29
Sioux Center .....	90	56	74	2	0.51	-0.40	19.06	7.83	1,165	-111
Spencer .....	93	52	74	2	0.00	-0.91	16.76	5.70	1,073	-12
Spirit Lake .....	91	57	73	2	0.27	-0.66	10.70	-0.10	1,052	-15
North Central District										
Britt .....	90	56	73	-1	0.00	-1.05	19.73	7.64	994	-60
Dakota City .....	90	55	73	-1	0.00	-1.05	20.45	8.04	1,079	-85
Mason City .....	90	54	72	0	0.00	-1.01	21.25	8.67	1,044	-19
Osage .....	89	56	72	-1	0.00	-0.98	28.53	16.01	965	-38
North East District										
Decorah .....	89	52	71	-2	0.00	-0.95	28.54	16.08	1,094	12
Dubuque .....	85	50	69	-3	0.00	-0.91	20.24	7.22	1,069	9
Elkader .....	87	48	68	-5	0.00	-0.91	26.26	14.32	927	-107
Fayette .....	88	53	70	-2	0.00	-0.98	24.77	12.08	1,005	57
Waterloo .....	90	54	72	-1	0.00	-1.12	22.95	9.98	1,157	6
West Central District										
Carroll .....	90	55	72	-2	0.00	-1.07	18.10	4.49	1,108	-48
Castana .....	86	56	72	-3	0.02	-0.82	16.93	4.71	1,080	-228
Guthrie Center .....	91	49	71	-3	0.00	-0.92	23.63	10.39	1,131	-63
Harlan .....	85	54	71	-4	0.00	-0.93	21.42	8.63	1,099	-45
Jefferson .....	89	55	72	-2	0.16	-0.91	21.44	7.83	1,117	-50
Logan .....	89	50	72	-4	0.01	-0.87	13.85	1.22	1,176	-83
Rockwell City .....	88	56	71	-4	0.66	-0.39	21.32	8.91	1,077	-64
Sac City .....	89	56	72	-2	0.00	-0.93	17.48	4.91	1,016	-48
Sioux City .....	90	53	73	-3	0.08	-0.70	13.36	2.86	1,189	-41
Central District										
Boone .....	89	52	72	-2	0.00	-0.99	19.89	5.88	1,090	-69
Des Moines .....	92	56	74	-2	0.00	-0.90	17.08	4.70	1,414	110
Grundy Center .....	87	53	70	-3	0.00	-1.05	23.78	10.89	1,083	12
Marshalltown .....	91	53	72	-2	0.00	-1.01	26.40	13.42	1,191	38
Newton .....	90	56	71	-4	0.00	-0.92	21.16	8.25	1,150	-134
Perry .....	89	53	72	-2	0.00	-0.94	19.49	6.40	1,148	-12
Toledo .....	88	55	70	-4	0.00	-1.03	25.42	12.19	1,065	-7
East Central District										
Cedar Rapids .....	86	55	71	-4	0.00	-0.99	22.21	9.77	1,212	-4
Davenport .....	87	52	71	-5	0.00	-0.93	19.52	7.32	1,286	-58
Iowa City .....	88	58	72	-4	0.00	-1.12	21.18	7.79	1,297	-129
Lowden .....	88	50	70	-4	0.00	-1.05	28.30	14.56	1,184	46
Maquoketa .....	86	51	69	-5	0.00	-0.91	16.84	4.31	1,079	-24
Muscatine .....	87	55	71	-5	0.00	-1.05	21.27	8.44	1,266	-100
South West District										
Atlantic .....	89	48	71	-3	0.07	-0.84	16.80	4.85	1,126	-104
Clarinda .....	89	53	71	-5	0.11	-1.01	17.36	3.61	1,214	-4
Glenwood .....	87	51	71	-6	0.00	-0.94	16.95	3.65	1,189	-156
Red Oak .....	89	53	72	-5	0.04	-1.05	19.01	4.82	1,246	-35
Sidney .....	86	58	73	-4	0.00	-1.05	15.15	2.49	1,270	-96
South Central District										
Allerton .....	88	54	70	-5	0.87	-0.18	23.40	10.57	1,134	-83
Beaconsfield .....	88	55	70	-5	0.17	-0.87	19.71	7.05	1,109	-62
Chariton .....	88	48	68	-6	0.00	-1.11	19.90	6.40	1,096	-28
Indianola .....	89	51	71	-4	0.00	-0.97	18.11	4.84	1,206	73
Lamoni .....	90	55	72	-5	0.12	-0.86	17.71	4.76	1,285	24
South East District										
Bloomfield .....	91	56	72	-4	0.05	-0.93	19.61	6.77	1,295	33
Burlington .....	88	58	73	-3	0.00	-0.98	18.88	6.56	1,396	1
Ottumwa .....	90	52	71	-6	0.00	-0.98	20.79	8.76	1,275	-114
Washington .....	89	54	72	-5	0.00	-0.98	19.75	7.63	1,241	-69

<sup>0</sup> 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.