



## **Crops & Weather**

National Agricultural Statistics Service lowa 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 July 29, 2012

Iowa received widespread rainfall with the heaviest precipitation in the central and northern parts of the state. Crop conditions continue to suffer as the rain was too late for some of the corn and winds flattened the weakened crop in some areas. Farmers continue to chop corn.

There were 6.4 days suitable for fieldwork statewide during the past week. Topsoil moisture levels improved slightly to 71 percent very short, 25 percent short, 4 percent adequate, and 0 percent surplus. Subsoil moisture dropped to 67 percent very short, 29 percent short, 4 percent adequate, and 0 percent surplus.

Ninety-seven percent of the corn crop is silking, ahead of last year's 86 percent and the five-year average of 77 percent. Sixty-five percent of the corn crop has reached the milk stage. Thirty-six percent of the corn crop has reached dough stage, two weeks ahead of normal. Eight percent of the corn crop has reached the dent stage, the most advanced the crop has been at the end of July since 1987. Corn condition is reported at 18 percent very poor, 28 percent poor, 34 percent fair, 19 percent good, and 1 percent excellent. Ninety-three percent of the soybean crop has bloomed, ahead of last year's 88 percent and the five-year average of 85 percent. Pods are being set on 57 percent of the soybean crop, ahead of last year's 43 percent and the five-year average of 47 percent. Soybean condition is rated 12 percent very poor, 22 percent poor, 41 percent fair, 24 percent good, and 1 percent excellent. Ninety-eight percent of the oat crop has been harvested, just over three weeks ahead of normal. Harvest of third cutting of alfalfa hay, at 63 percent complete, is just over a month ahead of normal.

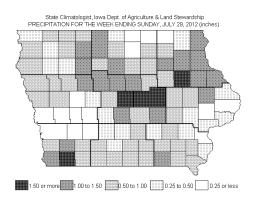
Less than one-fifth of lowa's pasture and range land is rated in fair or better condition. Pasture and range condition rated 55 percent very poor, 27 percent poor, 15 percent fair, 3 percent good, and 0 percent excellent. Reports of livestock losses continued as temperatures early in the week again soared over 100 degrees.

#### Crop Conditions as of July 29, 2012

Item	Very Poor	Poor	Fair	Good	Excellent	
	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	
Corn	18	28	34	19	1	
Soybeans	12	22	41	24	1	
Pasture & Range	55	27	15	3	0	

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

The past reporting week began with very hot weather on Monday (23<sup>rd</sup>), Tuesday (24th) and Wednesday (25th) with triple digit heat being widespread across the southern two-thirds of Iowa. The heat subsided somewhat on Thursday (26th) with readings falling a little below normal in many areas on Friday  $(27^{th})$  and over most of the state on Saturday  $(28^{th})$ . Eastern Iowa enjoyed one more day of milder weather on Sunday (29th) but temperatures in the low to mid 90s returned Temperature extremes for the week ranged from Monday to the southwest. afternoon highs of 107 degrees at Donnellson, Fairfield and Keokuk to a Saturday morning low of 53 degrees at Manchester. The 107 degrees temperatures on Monday were the highest official readings recorded in Iowa since Keosauqua reached 107 on July 29, 1999. Temperatures for the week as a whole averaged 5.9 degrees above normal. Thunderstorms were widespread on Wednesday night and again from Saturday morning into Sunday morning. The heaviest rains on Wednesday night of one to two inches were mainly restricted to a small part of far southwest Iowa and over several northeastern counties centered near Waterloo-Cedar Falls. The weekend rains were greatest over a small area of northwestern Iowa where an inch or more fell from near Spencer to near Fort Dodge. Most of Iowa saw some rain during the week, however, locations such as Atlantic, Audubon, Harlan and Guthrie Center were left dry. At Audubon there have now been 36 consecutive days without measurable (0.01 inch or more) rainfall. Greatest rain totals for the week were recorded at Traer (Tama Co.) with 2.78 inches and the Oelwein Airport with 2.89 inches. The statewide average precipitation was 0.70 inches while normal for the week is 0.96 inches. This was the wettest week in five weeks yet was also the 11<sup>th</sup> week of the past 12 with less than usual rainfall. While the rain was very welcome, Wednesday night's storms were accompanied by severe weather with high winds and/or large hail reported from 34 counties. Preliminary data indicate that July 2012 will likely go into the record books as the third hottest and fifth driest July among 140 years of state records.



### Field Work and Crop Progress as of July 29, 2012

Item	Districts									State	Last	Last	5-yr
item	NW	NC	NE	WC	С	EC	SW	SC	SE	State	Week	Year	Avg
	(Percent)												
Corn silked	98	99	94	99	99	95	97	94	94	97	89	86	77
Corn in or past milk stage	66	69	47	69	66	70	75	60	65	65	35	27	27
Corn in or past dough stage	31	41	22	37	42	29	57	24	38	36	12	3	4
Corn in or past dent stage	6	6	1	12	9	8	21	11	9	8	1	0	0
Soybeans bloomed	98	98	91	96	95	89	92	86	83	93	84	88	85
Soybeans setting pods	69	64	46	64	58	57	58	40	35	57	34	43	47
Oats harvested for grain	98	96	97	99	99	99	99	99	98	98	91	66	55
Hay, alfalfa - 3rd cutting	66	49	82	74	73	64	51	51	56	63	48	6	6

### Days Suitable & Soil Moisture Condition as of July 29, 2012

Item			State	Last	Last							
	NW	NC	NE	WC	С	EC	SW	SC	SE	State	Week	Year
	(Days)											
Days suitable	6.3	6.2	6.0	6.5	6.2	6.3	6.5	7.0	6.8	6.4	6.8	5.7
	(Percent)											
Topsoil moisture												
Very short	61	68	62	71	66	74	85	91	73	71	74	6
Short	27	28	31	27	28	24	14	9	24	25	23	22
Adequate	12	4	7	2	6	2	1	0	3	4	3	67
Surplus	0	0	0	0	0	0	0	0	0	0	0	5
Subsoil moisture												
Very short	66	69	57	67	63	64	77	89	58	67	64	3
Short	28	28	36	31	30	34	20	10	36	29	32	17
Adequate	6	3	7	2	7	2	3	1	6	4	4	75
Surplus	0	0	0	0	0	0	0	0	0	0	0	5

# Weather Summary For National Agricultural Statistics Service, Iowa Field Office. For the week ending: 7:00 am Sunday, July 29, 2012, Prepared by AWIS, Inc.

For the week ending:	7:00 an	n Sunaa	-	rrent Weel	<u> </u>	by AWIS	Since April 1						
		Tompo		rrent weer		ation	Drocinito	•		GDD Base 50F			
Station	Temperature		DEN	Precipita		Precipita							
	High	Low	Avg.	DFN	Total	DFN orth West Dis	Total	DFN	Total	DFN			
Estherville	95	58	77	6	0.52	-0.25	13.12	-0.37	2,014	509			
Sioux Center	100	60	79	6	0.13	-0.58	11.72	-1.96	2,291	463			
Spencer	100	57	79	7	1.46	0.55	14.49	0.44	2,156	542			
Spirit Lake	98	62	77	5	0.95	0.17	14.33	0.88	2,048	462			
	North Central Di					strict							
Britt	98	59	78	5	0.87	-0.03	13.10	-2.09	1,929	374			
Dakota City	100	60	79	6	0.98	0.07	12.00	-3.43	2,092	399			
Mason City	99	55	78	6	0.13	-0.78	9.89	-5.75	1,996	416			
Osage	98	59	77	5	0.11	-0.87	12.97	-2.65	1,911	408			
	North East District												
Decorah	100	58	78	5	0.11	-0.73	11.84	-3.45	2,069	463			
Dubuque	101 101	59 56	78 77	6 5	0.25 1.41	-0.66 0.43	7.46 10.88	-8.43 -4.13	1,963	387 183			
ElkaderFayette	101	56 59	77 78	6	1.95	0.43	14.31	-1.61	1,725 1,908	478			
Waterloo	101	58	80	8	0.54	-0.49	10.19	-6.26	2,154	455			
Waterioo	104	104   56   60   6   0.54   -0.49   10.19   -6.26   2,154   455  West Central District											
Carroll	102	60	81	8	0.41	-0.50	11.13	-5.56	2,165	447			
Castana	102	62	81	7	0.72	0.02	13.83	-0.66	2,162	271			
Guthrie Center	103	56	81	7	0.00	-0.81	10.93	-4.85	2,211	445			
Harlan	100	59	79	5	0.00	-0.77	11.23	-4.18	2,141	445			
Jefferson	101	59	79	6	0.38	-0.53	9.02	-7.67	2,134	399			
Logan	101	61	81	6	0.00	-0.77	12.23	-2.91	2,239	392			
Rockwell City	101	59	79	5	1.01	0.08	12.69	-2.84	2,090	400			
Sac City	100	59	79	5 7	0.30	-0.49	12.56	-2.64	2,012	413			
Sioux City	104   61   82   7   0.15   -0.55   13.96   1.14   2,345   545   Central District												
Danie	400	0.4	70					0.70	0.000				
Boone	102	61	79 85	6	1.03	0.22	12.85	-3.79	2,082	369			
Des Moines Grundy Center	106 100	66 59	79	9 7	0.96 0.58	0.12 -0.39	12.45 11.74	-2.59 -4.40	2,615 2,069	706 469			
Marshalltown	100	58	79 79	7	0.59	-0.39	6.51	-9.53	2,233	528			
Newton	105	62	81	7	0.10	-0.74	8.64	-6.96	2,180	302			
Perry	103	60	81	7	0.53	-0.29	13.27	-2.45	2,186	474			
Toledo	103	58	79	6	1.45	0.45	9.81	-6.57	1,996	395			
					Ea	st Central Dis	strict						
Cedar Rapids	103	61	80	7	0.57	-0.32	7.85	-7.49	2,144	364			
Davenport	99	60	80	5	0.13	-0.77	12.30	-2.67	2,198	243			
lowa City	105	66	83	8	0.23	-0.85	10.04	-6.88	2,323	276			
Lowden	102	57	79 70	7	0.09	-0.89	10.46	-6.43	2,079	412			
Maquoketa Muscatine	100 101	57 61	78 81	5 6	0.14 0.34	-0.68 -0.62	7.74 13.72	-7.32 -2.26	1,898 2,144	266 179			
wuscame	101	01	01	0		uth West Dis	Į.	-2.20	2,144	179			
Atlantic	102	57	81	7	0.00	-0.80	10.51	-4.12	2,212	416			
Clarinda	102	62	81	6	1.91	0.83	12.95	-4.34	2,303	513			
Glenwood	104	63	83	8	0.95	0.03	10.51	-5.51	2,305	354			
Red Oak	103	62	82	6	1.20	0.29	17.23	-0.02	2,402	529			
Sidney	104	65	84	8	0.92	-0.13	10.62	-5.52	2,439	460			
		,			Sou	th Central Di	istrict						
Allerton	104	63	83	9	0.92	-0.06	11.21	-4.89	2,219	420			
Beaconsfield	101	62	82	7	0.41	-0.51	11.22	-4.50	2,206	458			
Chariton	104	61	82	8	0.83	-0.09	13.54	-3.10	2,257	562			
Indianola	105	57	83	8	0.31	-0.53	8.55	-7.46	2,244	556 424			
Leon	103	57	81	6	0.42	-0.49	13.21	-2.93	2,149	434			
Dispersional	400	22	22			outh East Dis	ı	l	0.000	45.1			
Bloomfield	106	60	83	8 6	1.12	0.10	10.72	-5.44 4.50	2,308	451 272			
Burlington Ottumwa	104 106	62 60	82 83	7	0.43 0.81	-0.48 -0.16	10.84 11.34	-4.50 -3.91	2,375 2,304	373 297			
Washington	105	60	82	6	0.39	-0.16	14.18	-0.87	2,304	320			
Precipitation (rain, melted sn	l .						L						

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 2012: AWIS, Inc. All Rights Reserved.