



Iowa Crops & Weather

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HIGH HEAT AND HUMIDITY

Agricultural Summary: For much of Iowa, the first week of August picked up where June and July left off. Reports indicate most of Iowa received at least one inch of rain last week, with instances of over eight inches of rain in Central Iowa. This follows the wettest June on record and the fifth wettest July. Along with frequent showers, last week's weather included high temperatures and humidity, which has been good for crop development. However, the extreme conditions that have caused heat advisories have stressed livestock, with reports of heat exhaustion and even cases of death loss.

Iowa crops remain in mostly good to excellent condition with ample rain and high heat indices. Corn and soybean crops look extremely good in fields that have been able to absorb the consistent rains. As producers continue aerial fungicide spraying on corn, some yellow corn continues to show up as a result of nitrogen deficiency. Cases of sudden death syndrome, white mold, and aphid presence in soybeans have been reported as well. With farmers finishing oat harvest, reports indicate excess rain has taken a toll on the crop and the quality of alfalfa being produced. Pastures remain in good condition with productive growth, as rains continue to keep them from dormancy.

There were 4.3 days suitable for fieldwork last week, compared with 4.1 days the previous week. Central Iowa, at 3.6 days suitable, reported the lowest number of days suitable in the state for the second straight week. North Central and Southwest Iowa reported the highest with 4.9 days suitable. Topsoil moisture rated 0 percent very short, 2 percent short, 60 percent adequate, and 38 percent surplus across the state. Subsoil moisture rated 0 percent very short, 1 percent short, 56 percent adequate, and 43 percent surplus.

Field Crops Report: Nearly all the corn acres have silked, 81 percent have reached milk stage, and 38 percent have entered dough stage; all three remain ahead of last year and the five-year average. Corn kernels have started to dent in 4 percent of the crop, ahead of last year where the crop had not entered this stage and the five-year average of 3 percent. Corn condition remained virtually unchanged for the third straight week at 3 percent very poor, 8 percent poor, 19 percent fair, 45 percent good, and 25 percent excellent. Ninety-seven percent of the soybean crop has bloomed, compared to 94 percent last year and 95 percent for the five-year average. Pods have set on 82 percent of the soybean acres, 3 days ahead of last year and 2 days ahead of the five-year average. Soybean condition changed slightly with 3 percent very poor, 6 percent poor, 18 percent fair, 48 percent good, and 25 percent excellent. Oats harvested for grain increased 11 percentage points last week to 94 percent complete, 6 days ahead of last year and 5 days ahead

of the five-year average. Eighty-eight percent of the second cutting of alfalfa has been completed, just behind the 89 percent completed last year and the five-year average of 93 percent. Alfalfa third cutting progressed to 29 percent complete, ahead of last year and the five-year average. All hay condition rated 5 percent very poor, 8 percent poor, 28 percent fair, 45 percent good, and 14 percent excellent.

Livestock, Pasture and Range Report: Pasture and range condition rated 2 percent very poor, 5 percent poor, 24 percent fair, 50 percent good, and 19 percent excellent. Heat continued to take a toll on livestock last week. High temperatures and humidity have led to stress on livestock, as they struggle to find shade in order to get relief from the heat.

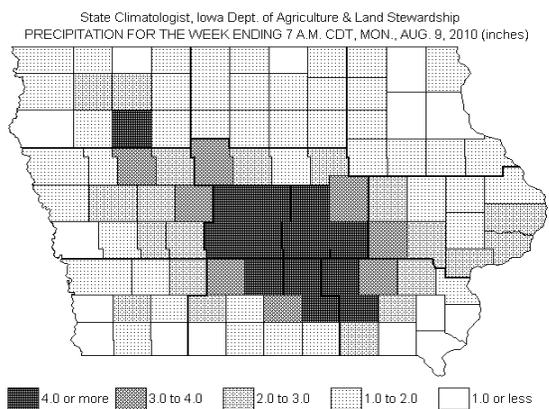
IOWA PRELIMINARY WEATHER SUMMARY Provided by Harry Hillaker, State Climatologist Iowa Department of Agriculture & Land Stewardship

The hot, humid and rainy weather pattern continued for most of Iowa. Temperatures and humidity were well above normal except when cooler air briefly moved in for Thursday (5th) and Friday (6th). The hottest weather came on Tuesday (3rd) and Sunday (8th). On Tuesday Burlington saw actual temperatures reach 97 degrees with a heat index of 112 degrees. On Sunday actual temperatures topped out at 96 degrees at Knoxville, Lamoni and Shenandoah while the Omaha-Council Bluffs area saw heat indices soar to 117 degrees. On the other extreme the temperature dipped to 54 degrees at Stanley on Friday morning. Temperatures for the week as a whole averaged 2.8 degrees above normal. The reporting week began with light to moderate rain falling over much of western Iowa on Monday (2nd) morning with rain falling nearly statewide Monday night with locally heavy rain just south of Interstate 80 in east central Iowa where North English reported 4.50 inches. Rain fell overnight over most of the southern two-thirds of Iowa on Tuesday night with a welcome period of mostly dry weather from Wednesday afternoon through Friday. Early morning thunderstorms brought rain to much of the northeastern two-thirds of the state Saturday with Sunday morning rain over the extreme east. The heaviest rains fell Sunday night into Monday morning with a broad area of central Iowa seeing well over two inches of rain. Greatest Sunday night amounts came in the Ames area with just over five inches reported. Severe flash flooding was reported over much of central Iowa Monday (9th) morning. Weekly rain totals varied from none at Keokuk to 9.30 inches at Maxwell. The statewide average precipitation was 2.15 inches or more than double the weekly normal of 0.96 inches. This was the tenth consecutive week of above normal rainfall and eleventh of the past twelve weeks with above normal temperatures.

Statewide Crop Conditions as of August 8, 2010

Item	Very Poor	Poor	Fair	Good	Excellent
	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)
Corn	3	8	19	45	25
Soybeans	3	6	18	48	25
Oats	2	8	22	55	13
Hay, all	5	8	28	45	14
Range & Pasture ..	2	5	24	50	19

PRELIMINARY IOWA PRECIPITATION



Field Work and Crop Progress as of August 8, 2010

Item	Districts									State	Last Week	Last Year	5-yr Avg
	NW	NC	NE	WC	C	EC	SW	SC	SE				
	(Percent)												
Corn silked	99	100	97	98	100	99	95	94	95	98	94	89	94
Corn in or past milk stage	70	89	75	91	94	84	72	68	66	81	54	45	63
Corn in or past dough stage	24	50	27	51	52	34	27	35	27	38	12	10	28
Soybeans bloomed	100	99	98	99	100	97	95	90	90	97	91	94	95
Soybeans setting pods	89	88	73	86	93	83	72	63	60	82	63	76	79
Oats harvested for grain	86	98	95	94	96	94	96	96	88	94	83	83	88
Hay, alfalfa - second crop harvested	99	96	99	98	98	99	97	58	81	88	82	89	93
Hay, alfalfa - third crop harvested	33	30	45	36	28	44	17	14	14	29	15	18	25

Days Suitable & Soil Moisture Condition as of August 8, 2010

Item	Districts									State	Last Week	Last Year
	NW	NC	NE	WC	C	EC	SW	SC	SE			
Days suitable	(Days) 4.0	(Days) 4.9	(Days) 4.8	(Days) 3.7	(Days) 3.6	(Days) 4.3	(Days) 4.9	(Days) 3.9	(Days) 4.7	(Days) 4.3	(Days) 4.1	(Days) 5.1
	(Percent)											
Topsoil moisture												
Very short	0	0	0	0	0	0	2	0	0	0	0	1
Short	1	3	1	0	0	0	11	1	7	2	1	12
Adequate	56	81	70	45	45	76	60	43	60	60	59	76
Surplus	43	16	29	55	55	24	27	56	33	38	40	11
Subsoil moisture												
Very short	0	0	0	0	0	0	2	0	0	0	0	1
Short	1	3	0	0	1	0	3	0	0	1	0	7
Adequate	55	78	66	45	32	66	62	40	56	56	54	82
Surplus	44	19	34	55	67	34	33	60	44	43	46	10

Weather Summary For National Agricultural Statistics Service, Iowa Field Office. For the week ending: Sunday, August 8, 2010, Prepared by AWIS, Inc.

STATION	CURRENT WEEK						SINCE APRIL 1			CURRENT WEEK	
	TEMPERATURE				PRECIPITATION		PRECIPITATION			GDD BASE 50F	
	HI	LO	AVG	DFN	TOTAL	DFN	TOTAL	DFN	TOTAL	DFN	
North West District											
Estherville	86	58	75	4	0.68	-0.10	20.35	5.78	175	28	
Sioux Center	90	59	76	4	1.35	0.65	25.22	10.57	185	21	
Spencer	87	55	75	3	0.89	-0.02	17.59	2.29	174	18	
Spirit Lake	91	62	76	5	0.36	-0.41	17.25	2.74	187	33	
North Central District											
Britt	86	59	75	3	0.40	-0.44	19.82	3.47	174	27	
Humboldt	86	59	75	3	1.44	0.53	29.73	13.04	173	19	
Mason City	86	57	75	3	0.21	-0.70	18.26	1.37	173	20	
Osage	85	58	73	2	0.81	-0.17	23.61	6.64	164	16	
North East District											
Decorah	88	55	76	4	1.60	0.71	23.67	7.16	182	26	
Dubuque	86	58	74	3	0.28	-0.70	31.26	14.01	171	17	
Elkader	87	57	74	2	0.86	-0.12	35.10	18.74	169	15	
Fayette	88	58	74	3	0.12	-0.86	29.12	11.84	169	26	
Waterloo	88	57	76	5	0.74	-0.15	29.12	11.41	184	23	
West Central District											
Carroll	86	62	75	2	1.25	0.35	25.11	7.17	174	6	
Castana	88	65	75	1	0.89	0.14	20.50	4.98	176	1	
Guthrie Center	88	62	76	3	2.05	1.16	36.23	19.22	183	15	
Harlan	87	65	76	3	2.38	1.65	27.56	11.11	186	23	
Jefferson	89	62	75	3	1.15	0.25	25.10	7.16	180	13	
Logan	88	64	77	3	2.09	1.32	27.03	10.82	188	14	
Rockwell City	85	63	76	3	1.08	0.17	25.79	9.01	181	20	
Sac City	85	59	73	0	0.78	-0.06	24.07	7.70	162	4	
Sioux City	89	64	77	2	0.42	-0.27	18.94	5.16	189	21	
Central District											
Boone	86	61	75	3	2.22	1.34	29.20	11.34	178	14	
Des Moines	91	67	79	4	1.92	1.01	30.25	13.95	207	25	
Grundy Center	87	58	75	4	1.04	0.15	31.18	13.80	173	18	
Marshalltown	89	58	76	4	2.71	1.66	26.71	9.24	184	23	
Newton	89	63	76	3	2.63	1.79	35.16	18.39	186	10	
Perry	89	62	76	4	1.63	0.79	29.45	12.56	181	19	
Toledo	88	58	74	2	1.48	0.44	22.93	5.13	169	13	
East Central District											
Cedar Rapids	88	57	75	2	0.48	-0.39	23.81	7.26	177	10	
Davenport	90	57	76	2	2.43	1.49	27.54	11.27	182	0	
Iowa City	89	61	77	2	2.26	1.22	24.54	6.17	188	4	
Lowden	90	56	75	3	0.60	-0.38	24.29	6.03	175	19	
Maquoketa	88	57	73	1	0.65	-0.25	22.92	6.62	164	6	
Muscatine	90	59	76	1	1.62	0.71	31.47	14.21	181	4	
South West District											
Atlantic	91	63	77	4	2.84	2.07	29.59	13.88	188	22	
Clarinda	91	62	76	2	1.03	-0.02	23.02	4.28	184	16	
Glenwood	90	65	77	3	0.58	-0.26	20.67	3.49	192	11	
Red Oak	93	64	78	3	2.19	1.28	27.19	8.67	199	26	
Sidney	91	67	78	3	0.78	-0.20	19.17	1.66	199	18	
South Central District											
Allerton	92	63	77	3	0.45	-0.49	37.08	19.66	188	17	
Beaconsfield	89	64	76	3	0.54	-0.37	27.65	10.66	186	11	
Chariton	89	59	75	2	1.41	0.56	38.00	20.15	180	9	
Indianola	89	62	76	3	2.33	1.49	38.74	21.55	188	20	
Leon	91	61	76	2	0.35	-0.63	31.90	14.42	182	13	
South East District											
Bloomfield	93	64	78	3	0.36	-0.63	31.12	13.58	197	19	
Burlington	97	64	80	5	0.07	-0.81	33.78	17.19	208	26	
Ottumwa	90	61	76	1	1.42	0.52	30.44	13.93	187	5	
Washington	91	58	76	0	1.88	1.04	33.12	16.89	181	4	

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 2010: AWIS, Inc. All Rights Reserved.