



# Iowa Crops & Weather

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## HEAVY RAIN SLOWS PROGRESS

**Agricultural Summary:** Iowa received another round of cool, wet conditions slowing corn emergence and delaying field work. While most corn acres are now planted, concerns of frost damage and flooding have producers watching plant development closely. Several days of dry, warm weather are needed to get the soybean crop planted and finish other spring field work. Below average frost penetration this winter gave weeds an early start as producers struggle to control them. Weekly rainfall and cool temperatures have kept pastures in mostly good to fair condition and stress on cattle relatively low. However, feedlot operators continue to battle muddy pens as cattle struggle to find dry ground to rest.

There were 1.2 days suitable for fieldwork during the week, compared with 4.1 days last week. Districts in the southern third of Iowa all had less than 0.5 days suitable for fieldwork, while districts in the northern two-thirds all had at least one day suitable for fieldwork. Topsoil moisture rated 0 percent very short, 0 percent short, 68 percent adequate, and 32 percent surplus across the state. Subsoil moisture rated 0 percent very short, 1 percent short, 69 percent adequate, and 30 percent surplus.

**Field Crops Report:** Corn acreage planted was 96 percent complete, increasing 3 percentage points from last week. Corn planting progress is one week ahead of last year and 8 days ahead of the five-year average. Corn acreage emerged was 66 percent, well ahead of the 50 percent last year and the five-year average of 42 percent. Corn condition rated 2 percent very poor, 7 percent poor, 36 percent fair, 50 percent good, and 5 percent excellent. Soybean acreage planted was 53 percent complete, compared with 38 percent last year and 40 percent for the five-year average. Soybeans emerged reached 8 percent, 4 percentage points ahead of last year and 3 percentage points ahead of the five-year average. Ninety-five percent of the expected oat acreage has emerged, ahead of last year's 86 percent and the five-year average of 83 percent. Oat condition rated 1 percent very poor, 3 percent poor, 17 percent fair,

64 percent good, and 15 percent excellent. Producers have begun to harvest the first cutting of alfalfa early with 2 percent of the first crop now harvested.

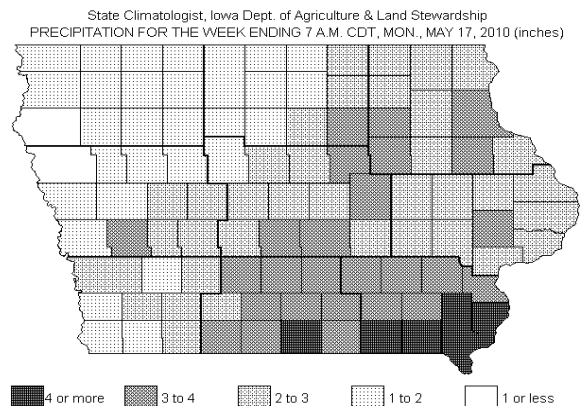
**Livestock, Pasture and Range Report:** Pasture and range condition rated 1 percent very poor, 4 percent poor, 22 percent fair, 56 percent good, and 17 percent excellent. There have not been any unusual livestock conditions or concerns.

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

The past reporting week began with widespread showers and thunderstorms statewide from Monday (10<sup>th</sup>) morning into Tuesday (11<sup>th</sup>) morning with rainfall amounts averaging a little over an inch. Still more rain fell statewide from Wednesday (12<sup>th</sup>) morning into Thursday (13<sup>th</sup>) morning with heaviest rains of more than three inches in the northeast and southeast portions of the state. Northern and central areas of Iowa remained dry for the rest of the week but light rain fell across the far south on Saturday (15<sup>th</sup>) and over the southern one-third of the state Sunday (16<sup>th</sup>) into Monday (17<sup>th</sup>) morning. Weekly rain totals varied from 0.86 inches at Estherville to 5.58 inches at Donnellson. However, unofficial totals in the Burlington area were as high as 6.7 inches. The statewide average rainfall was 2.53 inches or more than two and one-half times the weekly normal of 0.94 inches. This was Iowa's wettest week in nearly two years (early June 2008). Temperatures were below normal throughout the week. Daytime high temperatures were only in the 40's in some areas on Tuesday and Wednesday but reached the low 60's to mid 70's over the weekend. Temperature extremes varied from a Friday (14<sup>th</sup>) morning low of 33 degrees at Little Sioux to Saturday afternoon highs of 75 degrees at Ankeny and Webster City. Temperatures for the week as a whole averaged 6.4 degrees below normal. Soil temperatures as of Sunday (16<sup>th</sup>) were averaging mostly in the mid to upper 50's.

Item	Very Poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
Corn	2	7	36	50	5
Oats	1	3	17	64	15
Range & Pasture	1	4	22	56	17

## PRELIMINARY IOWA PRECIPITATION



## Field Work and Crop Progress as of May 16, 2010

Item	Districts										State	Last Week	Last Year	Normal
	NW	NC	NE	WC	C	EC	SW	SC	SE					
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent					
Corn planted	97	99	96	97	98	96	90	86	88	96	93	89	86	
Corn emerged	59	78	59	75	72	61	59	55	63	66	48	50	42	
Soybeans planted	55	71	67	57	61	49	38	30	25	53	44	38	40	
Soybeans emerged	5	8	13	7	11	6	4	14	10	8	NA	4	5	
Oats emerged	92	100	99	97	100	98	91	86	86	95	90	86	83	

## Days Suitable & Soil Moisture Condition as of May 16, 2010

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 suitable	1.0	1.5	1.4	1.5	1.5	1.5	0.5	0.3	0.4	1.2	4.1	2.8	
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
Topsoil moisture													
Very short	0	0	0	0	0	0	0	0	0	0	0	0	
Short	0	0	0	1	0	0	0	0	0	0	2	1	
Adequate	93	81	68	82	63	82	55	31	30	68	82	67	
Surplus	7	19	32	17	37	18	45	69	70	32	16	32	
Subsoil moisture													
Very short	0	0	0	0	0	0	0	0	0	0	0	0	
Short	0	0	1	1	0	1	0	0	0	1	1	1	
Adequate	92	84	72	78	58	85	59	32	39	69	81	64	
Surplus	8	16	27	21	42	14	41	68	61	30	18	35	

**Weather Summary**  
**For National Agricultural Statistics Service, Iowa Field Office**  
**For the week ending: Sunday, May 16, 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	71	39	50	-8	0.99	0.29	4.74	0.33	15	-42
Sioux Center	72	37	51	-10	1.14	0.41	4.22	0.17	19	-60
Spencer	71	37	50	-9	0.71	-0.08	4.83	0.35	13	-50
Spirit Lake	74	38	50	-8	0.52	-0.14	4.09	0.16	23	-40
North Central District										
Britt	70	36	49	-10	1.37	0.60	5.25	0.47	18	-41
Humboldt	72	35	50	-11	1.90	1.08	6.62	1.77	15	-55
Mason City	71	41	51	-7	1.95	1.04	6.21	1.26	16	-45
Osage	70	36	49	-10	2.49	1.64	6.56	1.35	15	-42
North East District										
Decorah	71	37	51	-8	2.47	1.63	6.57	1.24	17	-48
Dubuque	70	42	52	-6	3.04	2.06	9.31	3.43	20	-41
Elkader	71	31	50	-9	3.48	2.59	11.14	5.96	12	-48
Fayette	71	33	50	-9	3.15	2.24	6.99	1.61	14	-38
Waterloo	72	42	53	-7	3.90	2.99	9.35	4.01	22	-46
West Central District										
Carroll	72	33	49	-11	2.17	1.22	5.29	-0.12	15	-53
Castana	71	40	51	-10	1.08	0.16	2.93	-1.80	19	-60
Guthrie Center	71	37	51	-10	2.54	1.62	9.28	3.97	17	-51
Harlan	73	35	50	-11	2.68	1.71	5.86	0.64	15	-50
Jefferson	72	41	51	-9	2.99	2.04	6.27	0.86	18	-50
Logan	73	34	51	-11	1.36	0.35	3.80	-1.32	15	-58
Rockwell City	71	38	50	-11	1.43	0.52	4.72	-0.06	16	-49
Sac City	72	32	48	-11	1.12	0.20	3.65	-1.21	12	-49
Sioux City	73	40	52	-9	0.88	0.06	2.57	-1.54	25	-49
Central District										
Boone	71	38	50	-11	3.12	2.16	7.08	1.62	12	-56
Des Moines	71	41	55	-7	3.59	2.81	9.03	3.90	35	-44
Grundy Center	73	31	51	-8	3.62	2.71	8.25	3.01	17	-44
Marshalltown	73	40	53	-7	3.26	2.39	8.20	3.05	25	-42
Newton	71	34	52	-10	3.04	2.11	8.85	3.53	17	-62
Perry	73	37	51	-9	2.53	1.61	6.88	1.71	17	-51
Toledo	72	32	51	-7	3.10	2.12	7.99	2.57	19	-42
East Central District										
Cedar Rapids	70	41	53	-7	2.31	1.50	6.34	1.35	22	-52
Davenport	69	44	54	-7	2.31	1.50	7.29	2.24	31	-48
Iowa City	69	44	54	-8	2.86	1.95	7.80	2.04	31	-58
Lowden	71	33	52	-7	2.99	2.08	8.18	2.35	21	-45
Maquoketa	70	33	51	-7	2.29	1.45	7.22	2.18	17	-46
Muscatine	68	36	53	-8	3.15	2.28	8.71	3.26	26	-58
South West District										
Atlantic	70	35	50	-11	1.39	0.54	7.38	2.47	9	-63
Clarinda	65	36	51	-11	1.41	0.36	5.89	0.19	9	-61
Glenwood	69	37	51	-11	1.17	0.11	5.88	0.63	11	-68
Red Oak	70	39	52	-11	2.30	1.32	7.28	1.64	17	-60
Sidney	67	40	52	-11	1.19	0.23	5.26	-0.02	19	-63
South Central District										
Allerton	66	39	53	-9	3.74	2.83	11.19	5.82	20	-51
Beaconsfield	64	37	52	-9	2.99	2.10	9.06	3.80	15	-53
Chariton	66	29	51	-10	3.49	2.59	10.17	4.65	14	-49
Indianola	69	35	51	-11	3.64	2.73	9.04	3.38	11	-54
Leon	66	31	51	-10	3.91	2.93	10.23	4.48	15	-51
South East District										
Bloomfield	66	39	54	-9	3.48	2.53	9.63	4.00	26	-49
Burlington	73	47	58	-4	4.48	3.64	12.83	7.42	59	-27
Ottumwa	65	43	54	-8	2.47	1.56	5.52	0.21	30	-54
Washington	67	36	53	-11	3.76	2.85	8.86	3.65	21	-57

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.