



# Iowa Crops & Weather

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## COLDER TEMPERATURES AND FROST CREATE RE-PLANTING CONCERNS

**Agricultural Summary:** The past week saw scattered rain showers, high winds, colder temperatures, and wide-spread frost. Temperatures dropping into the high twenties in northern Iowa and low thirties in Southern Iowa during the overnight hours led to frost and decreasing soil temperatures. This caused concern that re-planting may be necessary. Lower temperatures also caused the emergence of newly planted crops to slow. Although inclement weather slowed progress, farmers were able to continue with field work as conditions permitted. They continued to plant corn and soybeans as well as spraying when the winds subsided. Hay conditions are being reported in good condition with some possible damage from the frost over the weekend. Pasture growth slowed with the cooler temperatures, but still allowed livestock to graze.

There were 4.1 days suitable for fieldwork during the week, compared with 3.1 days last week. The days suitable for fieldwork ranged from a low of 2.5 days in Southeast Iowa, where some reports indicate that there have been zero days suitable, to 4.7 days in West Central and Central Iowa. Topsoil moisture rated 0 percent very short, 2 percent short, 82 percent adequate, and 16 percent surplus across the state. Subsoil moisture rated 0 percent very short, 1 percent short, 81 percent adequate, and 18 percent surplus.

**Field Crops Report:** Corn acreage planted was 93 percent complete, increasing 9 percentage points from last week. Corn planting progress is 11 days ahead of last year and the five-year average. Corn acreage emerged was 48 percent, well ahead of the 21 percent last year and the five-year average of 17 percent. Soybean acreage planted was 44 percent complete, compared with 19 percent last year and 17 percent for the five-year average. Early planted soybeans have begun to emerge. Ninety percent of the expected oat acreage has emerged, ahead of last year's 70 percent and the five-year average of 68 percent. Oat condition rated 1 percent very poor, 1 percent poor, 14 percent fair, 66 percent good, and 18 percent excellent.

**Livestock, Pasture and Range Report:** Pasture and range condition rated 1 percent very poor, 3 percent poor, 21 percent fair, 56 percent good, and 19 percent excellent. There have not been any unusual livestock conditions or concerns.

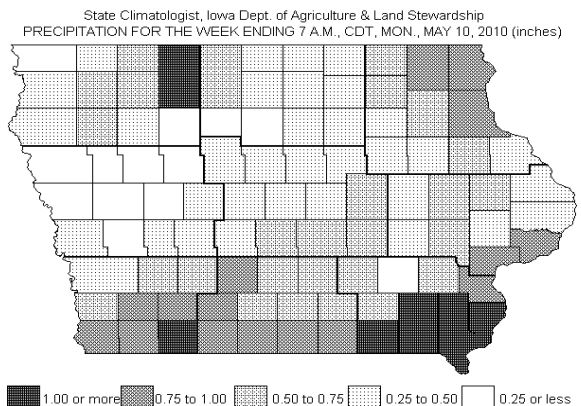
## IOWA PRELIMINARY WEATHER SUMMARY Provided by Harry Hillaker, State Climatologist Iowa Department of Agriculture & Land Stewardship

Temperatures over the past reporting week were highly variable, as is more typical of spring in Iowa than what had been seen in the previous several weeks. Tuesday (4<sup>th</sup>) was the warmest day with highs mostly in the 80's while temperatures were well below normal throughout the weekend when highs were mostly in the 50's. A few western Iowa locations dipped to freezing on Thursday and Saturday mornings. However, readings at or below freezing covered all but the southwest and southeast corners of the state on Sunday (9<sup>th</sup>) morning. Temperature extremes for the week ranged from a Tuesday afternoon high of 89 degrees at Sioux City down to Sunday morning lows of 27 degrees at Audubon, Belle Plaine, Grinnell, Sac City and Sheldon. Sunday's temperatures were the lowest recorded in Iowa for so late in the spring since May 21, 2002. Temperatures for the week as a whole averaged 6 to 8 degrees below normal over the northwest to 2 to 3 degrees subnormal over the southeast for a statewide average of 4.5 degrees below normal. This broke a streak of eight consecutive warmer than normal weeks. Showers and thunderstorms were widespread over the northwest two-thirds of Iowa Tuesday evening into Wednesday morning with rainfall amounts mostly on the light side. The week's heaviest rain fell from Thursday afternoon into Friday morning when rain fell statewide and a few far southeast locations received more than two inches. Weekly rain totals varied from only 0.11 inches at Pocahontas to 2.86 inches at Farmington. The statewide average precipitation was 0.58 inches or about two-thirds of the weekly normal of 0.91 inches. Soil temperatures as of Sunday (9<sup>th</sup>) were mostly in the low 50's across Iowa.

Statewide Crop Conditions as of May 9, 2010

Item	Very Poor	Poor	Fair	Good	Excellent
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Oats	1	1	14	66	18
Range & Pasture	1	3	21	56	19

## PRELIMINARY IOWA PRECIPITATION



Field Work and Crop Progress as of May 9, 2010

Item	Districts										State	Last Week	Last Year	Normal	
	NW	NC	NE	WC	C	EC	SW	SC	SE						
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn planted	95	97	91	96	97	92	89	83	86	93	84	78	71		
Corn emerged	41	60	39	55	53	38	46	47	48	48	19	21	17		
Soybeans planted	44	61	53	47	54	34	35	24	23	44	13	19	17		
Oats emerged	91	100	95	96	94	97	75	79	85	90	80	70	68		

Days Suitable & Soil Moisture Condition as of May 9, 2010

Item	Districts										State	Last Week	Last Year
	NW	NC	NE	WC	C	EC	SW	SC	SE				
	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>
Days suitable	4.6	4.4	3.9	4.7	4.7	4.1	3.5	3.3	2.5	4.1	3.1	2.9	
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	
Topsoil moisture													
Very short	0	0	0	0	0	0	0	0	0	0	0	0	
Short	0	1	5	6	2	5	0	0	0	2	2	1	
Adequate	97	83	88	89	84	88	80	60	42	82	78	70	
Surplus	3	16	7	5	14	7	20	40	58	16	20	29	
Subsoil moisture													
Very short	0	0	0	0	0	1	0	0	0	0	0	0	
Short	1	1	3	1	1	4	0	1	1	1	1	1	
Adequate	96	79	90	89	81	89	69	70	44	81	79	69	
Surplus	3	20	7	10	18	6	31	29	55	18	20	30	

**Weather Summary**  
**For National Agricultural Statistics Service, Iowa Field Office**  
**For the week ending: Sunday, May 9, 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	84	30	50	-5	0.82	0.12	3.75	0.04	19	-24
Sioux Center	80	32	51	-7	0.27	-0.41	3.08	-0.24	19	-44
Spencer	83	28	50	-6	0.54	-0.23	4.12	0.43	19	-30
Spirit Lake	77	31	48	-7	0.13	-0.50	3.57	0.30	11	-38
North Central District										
Britt	83	31	50	-7	0.27	-0.50	3.88	-0.13	22	-22
Humboldt	83	30	51	-7	0.47	-0.30	4.72	0.69	25	-29
Mason City	84	28	52	-4	0.27	-0.57	4.26	0.22	28	-19
Osage	82	29	51	-6	0.34	-0.50	4.07	-0.29	25	-19
North East District										
Decorah	83	28	53	-5	1.05	0.21	4.10	-0.39	34	-16
Dubuque	79	31	52	-4	0.49	-0.43	6.27	1.37	32	-16
Elkader	82	29	51	-5	0.80	-0.04	7.66	3.37	27	-20
Fayette	83	30	52	-4	0.52	-0.39	3.84	-0.63	33	-5
Waterloo	82	30	53	-4	0.35	-0.54	5.45	1.02	37	-14
West Central District										
Carroll	84	28	52	-6	0.45	-0.46	3.12	-1.34	28	-23
Castana	84	33	52	-7	0.18	-0.66	1.85	-1.96	27	-37
Guthrie Center	83	29	53	-5	0.53	-0.34	6.74	2.35	33	-21
Harlan	84	32	53	-6	0.26	-0.65	3.18	-1.07	34	-16
Jefferson	85	32	53	-5	0.36	-0.55	3.28	-1.18	32	-22
Logan	85	32	53	-7	0.31	-0.63	2.44	-1.67	34	-25
Rockwell City	84	32	52	-7	0.12	-0.72	3.29	-0.58	24	-27
Sac City	83	27	50	-7	0.25	-0.60	2.53	-1.41	24	-22
Sioux City	89	30	53	-6	0.20	-0.55	1.69	-1.60	32	-27
Central District										
Boone	83	30	52	-5	0.44	-0.47	3.96	-0.54	34	-20
Des Moines	82	35	56	-3	0.75	-0.02	5.44	1.09	52	-11
Grundy Center	82	29	53	-3	0.43	-0.46	4.63	0.30	36	-9
Marshalltown	82	31	53	-4	0.50	-0.34	4.94	0.66	36	-15
Newton	83	34	54	-4	0.64	-0.26	5.81	1.42	42	-21
Perry	83	31	53	-4	0.50	-0.37	4.35	0.10	34	-18
Toledo	81	30	52	-4	0.71	-0.22	4.89	0.45	31	-15
East Central District										
Cedar Rapids	81	32	53	-4	0.49	-0.28	4.03	-0.15	38	-20
Davenport	82	33	55	-3	0.86	0.09	4.98	0.74	51	-12
Iowa City	82	32	55	-5	0.45	-0.45	4.94	0.09	49	-22
Lowden	82	29	54	-4	0.38	-0.53	5.19	0.27	43	-8
Maquoketa	81	30	53	-3	0.32	-0.45	4.93	0.73	39	-8
Muscatine	81	33	56	-4	0.90	0.06	5.56	0.98	50	-19
South West District										
Atlantic	82	31	53	-5	0.50	-0.33	5.99	1.93	31	-26
Clarinda	83	36	54	-5	1.02	0.03	4.48	-0.17	37	-18
Glenwood	83	37	55	-5	0.62	-0.36	4.71	0.52	40	-25
Red Oak	83	37	55	-5	0.86	-0.06	4.98	0.32	43	-19
Sidney	82	38	56	-4	0.86	-0.05	4.07	-0.25	47	-20
South Central District										
Allerton	80	34	55	-3	1.02	0.13	7.45	2.99	45	-12
Beaconsfield	78	37	54	-4	0.91	0.07	6.07	1.70	38	-15
Chariton	79	33	52	-6	0.86	0.02	6.68	2.06	26	-24
Indianola	81	31	53	-5	0.91	0.00	5.47	0.72	38	-14
Leon	80	30	54	-4	0.85	-0.13	6.32	1.55	36	-16
South East District										
Bloomfield	77	36	55	-5	1.61	0.70	6.15	1.47	45	-16
Burlington	79	39	58	-2	1.66	0.82	8.35	3.78	62	-8
Ottumwa	81	32	54	-6	0.44	-0.43	3.05	-1.35	42	-27
Washington	81	31	55	-6	0.68	-0.16	5.10	0.80	46	-18

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.