

# Iowa Crops & Weather



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For the week ending September 2, 2007

## PREPARING FOR HARVEST

**Agricultural Summary:** Warm, dry days have greatly aided crop maturity. Seed corn harvest has started and corn silage is being chopped. Sudden death syndrome is being seen in soybean fields. Warm days are allowing hay to be harvested. Pastures have greened up, improving conditions for livestock. Farmers continue to get equipment and storage ready for fall harvest.

There were 4.5 days suitable for fieldwork, compared to 4.9 days a year ago. Topsoil moisture rated zero percent very short, 3 percent short, 80 percent adequate, and 17 percent surplus across the state. Subsoil moisture rated 1 percent very short, 4 percent short, 75 percent adequate, and 20 percent surplus.

**Field Crops Report:** Corn in dough stage is at 94 percent, 2 percentage points behind last year, but 1 point ahead of the five-year average. Corn in dent stage is at 77 percent, slightly behind last year's 81 percent, but ahead of the five-year average of 70 percent. Sixteen percent of the corn has reached maturity, ahead of both last year's percentage and the five-year average of 13 percent. Corn condition rated 3 percent very poor, 7 percent poor, 22 percent fair, 49 percent good, and 19 percent excellent. Thirty-three percent of the soybeans have leaves turning color, 1 percentage point behind last year, but ahead of the five-year average of 30 percent. Soybeans dropping leaves is at 7 percent, equal to last year and the five-year average. Soybean condition rated 1 percent very poor, 5 percent poor, 21 percent fair, 52 percent good, and 21 percent excellent. Third cutting of alfalfa is 72 percent complete, well behind last year's 91 percent and 10 percentage points behind the five-year average. All hay condition rated 2 percent very poor, 9 percent poor, 33 percent fair, 47 percent good, and 9 percent excellent.

**Livestock and Pasture Report:** Pasture condition rated 2 percent very poor, 6 percent poor, 30 percent fair, 48 percent good, and 14 percent excellent.

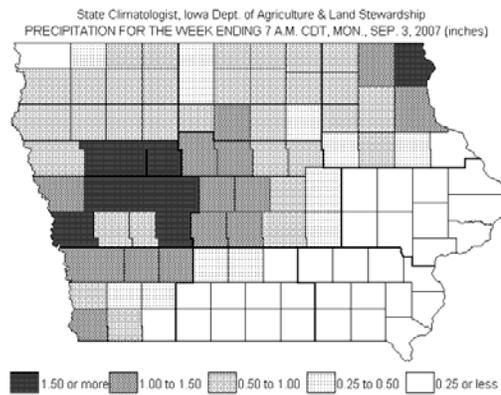
## IOWA PRELIMINARY WEATHER SUMMARY Provided by State Climatologist Harry Hillaker

The past work week began with thunderstorms across the northeast one-quarter of Iowa on Monday (27<sup>th</sup>) morning. High temperatures on Monday were in the low 80's northeast to low 90's south. Tuesday (28<sup>th</sup>) brought thunderstorms to most of the northwest two-thirds of the state with locally heavy rain in west central Iowa. Highs on Tuesday were in the upper 70's northwest to mid 90's southeast. The remainder of the reporting week was much cooler and drier. High temperatures on Wednesday (29<sup>th</sup>) were in the mid 70's north to mid 80's southeast and on Thursday (30<sup>th</sup>) were mostly in the 70's. Highs on Friday (31<sup>st</sup>) and Saturday (1<sup>st</sup>) were near 80 degrees statewide and were a few degrees warmer on Sunday (2<sup>nd</sup>). Far northwest Iowa had a few isolated thunderstorms on Sunday (2<sup>nd</sup>) morning. Otherwise the entire state was dry after Wednesday (29<sup>th</sup>) morning. No rain fell during the week in parts of southeast Iowa, including Lamoni, Burlington and Davenport. Greatest weekly rain totals were 3.20 inches at Rockwell City and 3.18 inches at Waukon, sending the August rain totals to over 19 inches in both towns. The statewide average precipitation was 0.68 inches or about two-thirds of the weekly normal of 1.03 inches. This was Iowa's driest week in seven weeks. Temperature extremes varied from a Tuesday (28<sup>th</sup>) afternoon high of 95 degrees at Keosauqua to a Thursday (30<sup>th</sup>) morning low of 47 degrees at Spencer. The statewide average temperature was 2.8 degrees above normal for the week.

Statewide Crop Conditions as of September 2, 2007

Item	Very Poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
Corn	3	7	22	49	19
Hay, all	2	9	33	47	9
Range & Pasture	2	6	30	48	14
Soybeans	1	5	21	52	21

## PRELIMINARY IOWA PRECIPITATION



Field Work and Crop Progress as of September 2, 2007

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 in or past dough stage	94	98	88	93	97	96	91	93	92	94	85	96	93	
Corn in or past dent stage	81	83	68	73	82	74	73	70	77	77	58	81	70	
Corn mature (safe from frost)	13	12	13	16	20	21	14	14	24	16	7	13	13	
Soybean leaves turning color	43	55	63	15	29	31	18	10	20	33	10	34	30	
Hay, alfalfa - third crop harvested	98	99	86	83	75	69	82	57	73	72	52	91	82	

Days Suitable & Soil Moisture Condition as of September 2, 2007

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	4.1	4.8	3.7	3.9	4.2	5.5	4.9	5.7	5.5	4.5	1.0	4.9	
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
Topsoil moisture													
Very short	1	0	0	1	0	0	0	1	0	0	0	2	
Short	7	2	0	6	1	0	2	2	4	3	2	13	
Adequate	79	90	63	81	68	94	84	80	91	80	52	80	
Surplus	13	8	37	12	31	6	14	17	5	17	46	5	
Subsoil moisture													
Very short	2	0	0	3	0	0	0	1	1	1	2	7	
Short	15	1	0	7	2	0	8	3	5	4	3	30	
Adequate	77	77	50	77	64	88	78	80	90	75	57	60	
Surplus	6	22	50	13	34	12	14	16	4	20	38	3	

**Weather Summary For Iowa Agricultural Statistics Service**  
**Prepared by AWIS, Inc.**  
**For the week ending: Sunday, September 2, 2007**

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	88	48	69	5	0.56	-0.28	19.39	1.82	136	30
Sioux Center	91	50	71	4	0.78	0.01	16.88	-0.48	152	28
Spencer	90	47	70	4	0.63	-0.21	17.78	-0.69	142	28
Spirit Lake	89	48	71	6	0.65	-0.19	21.80	4.32	148	9
North Central District										
Britt	88	53	70	3	0.71	-0.13	25.98	6.81	139	16
Humboldt	88	54	69	3	0.80	-0.10	31.73	11.96	137	16
Mason City	89	50	70	4	0.78	-0.20	27.47	7.22	141	29
Osage	89	53	69	3	0.65	-0.40	22.93	2.28	136	4
North East District										
Decorah	90	50	70	3	3.54	2.58	32.99	13.18	140	17
Dubuque	89	53	70	4	0.01	-1.14	24.08	2.92	142	26
Elkader	93	51	69	3	0.93	0.02	32.50	12.73	134	-7
Fayette	90	52	69	3	0.96	-0.02	32.07	11.29	133	15
Waterloo	90	52	71	4	0.34	-0.47	29.28	8.72	148	29
West Central District										
Carroll	91	52	71	5	1.48	0.64	25.97	5.03	151	28
Castana	90	54	71	3	1.32	0.48	26.32	7.87	149	27
Guthrie Center	91	50	71	3	1.36	0.38	38.45	17.97	146	17
Harlan	90	52	71	2	1.17	0.19	28.24	8.74	146	25
Jefferson	93	54	72	5	1.60	0.76	26.81	5.87	153	30
Logan	92	54	72	3	2.45	1.61	30.68	11.62	155	20
Rockwell City	89	55	70	2	3.20	2.29	32.35	12.45	142	12
Sac City	90	54	70	4	1.63	0.72	31.37	11.86	145	24
Sioux City	91	52	72	3	0.43	-0.27	25.93	9.77	154	21
Central District										
Boone	91	53	71	3	1.15	0.24	31.67	10.55	146	21
Des Moines	92	59	74	4	0.65	-0.27	23.64	3.92	167	25
Grundy Center	92	53	70	5	0.92	0.10	33.44	13.10	144	32
Marshalltown	90	51	71	5	0.59	-0.44	22.56	1.36	149	32
Newton	93	55	71	3	0.57	-0.37	22.82	2.87	149	17
Perry	92	52	71	4	1.38	0.50	27.97	7.87	147	26
Toledo	90	52	70	3	0.65	-0.33	23.01	1.57	138	19
East Central District										
Cedar Rapids	89	53	71	3	0.02	-0.94	22.64	2.79	145	18
Davenport	91	53	71	2	0.00	-0.91	28.45	8.77	153	14
Iowa City	91	56	72	2	0.00	-0.98	24.05	2.18	159	13
Lowden	92	48	69	3	0.06	-0.99	25.32	3.32	137	9
Maquoketa	90	51	69	2	0.00	-1.05	25.34	5.39	131	12
Muscatine	92	54	73	3	0.00	-0.91	26.94	6.50	164	46
South West District										
Atlantic	90	52	72	5	0.26	-0.65	26.74	8.07	153	29
Clarinda	89	51	70	2	0.48	-0.57	30.64	8.29	144	10
Glenwood	92	55	73	4	1.03	0.12	28.73	8.39	161	20
Red Oak	91	56	73	2	0.50	-0.55	30.15	8.12	160	14
Sidney	92	57	73	3	0.76	-0.22	25.32	4.38	162	19
South Central District										
Allerton	89	54	71	3	0.00	-1.03	36.36	15.49	149	46
Beaconsfield	89	56	71	2	0.00	-0.97	29.87	9.62	148	15
Chariton	89	49	71	3	0.02	-1.04	30.62	9.41	149	16
Indianola	89	52	70	2	0.22	-0.69	27.09	6.75	145	14
Leon	90	50	70	1	0.00	-1.05	31.53	10.35	141	6
South East District										
Bloomfield	90	55	72	2	0.01	-1.07	31.07	9.84	155	11
Burlington	94	56	75	5	0.00	-0.93	24.12	4.38	174	33
Ottumwa	89	53	71	1	0.01	-0.94	29.44	9.78	150	6
Washington	92	52	72	1	0.01	-0.88	33.16	13.91	154	33

Precipitation (rain, melted snow or ice) in inches. Precipitation Days = Days with precipitation of 0.01 inch or more. Air Temperatures in Degrees Fahrenheit.  
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