

Iowa Crops & Weather



USDA – National Agricultural Statistical Service
Iowa Field Office

210 Walnut, Room 833 • Des Moines, Iowa 50309-2195
515-284-4340 • 1-800-772-0825 • FAX 515-284-4342 • nass-ia@nass.usda.gov
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For the week ending April 29, 2007

RAIN AND SUN

IOWA PRELIMINARY WEATHER SUMMARY Provided by State Climatologist Harry Hillaker

Agricultural Summary: Though rains at the beginning of the week left fields saturated, field work progressed slightly. Many areas experienced flooding and some erosion was reported. Ground temperatures have risen. Alfalfa fields and pastures are beginning to rebound after the freeze experienced at the first of the month. Wet weather has made conditions poor for livestock.

There were 1.3 days suitable for fieldwork, compared to 4.4 days last year at this time. Topsoil moisture rated zero percent very short, zero percent short, 52 percent adequate, and 48 percent surplus across the state. Subsoil moisture rated zero percent very short, 1 percent short, 62 percent adequate, and 37 percent surplus.

Field Crops Report: Oats planted were 73 percent complete, 1 week behind last year's 95 percent and 12 days behind the five year average of 96 percent. Twenty-three percent of oats are emerging compared to last year's 52 percent. Corn planting, at 14 percent, is 11 days behind last year's 58 percent. Fertilizer application, at 81 percent, was 8 percentage points below last year's 89 percent and 7 points behind the five-year average of 88 percent.

Livestock, Pasture and Range Report: Pasture and range condition rated 2 percent very poor, 10 percent poor, 28 percent fair, 47 percent good, and 13 percent excellent. Livestock have started to be turned out on the greening pastures in some areas of the state, while other areas need more time for the grass to grow. Muddy feedlots have stressed livestock, limiting gain performance on feeder cattle.

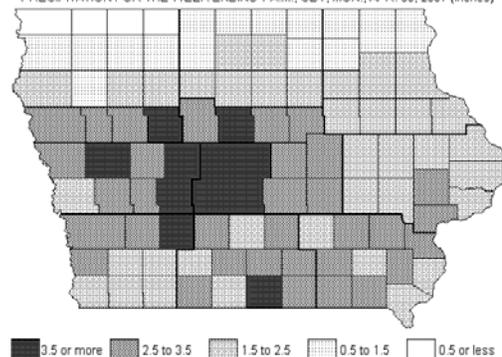
The past work week began with dry weather on Monday (23rd) with high temperatures mostly in the 60's. However, rainfall was widespread on Tuesday (24th) and Wednesday (25th) and continued across eastern Iowa on Thursday (26th). Heavy rain fell over much of the southern two-thirds of Iowa while only light rain fell in far northwestern sections of the state. Weekly rainfall totals varied from 0.23 inches at Ocheyedana to 6.33 inches at Guthrie Center. At Guthrie Center this week culminated the wettest April among 108 years of record with a monthly total of 9.24 inches (old record 8.72 inches in 1984). The statewide average precipitation was 2.34 inches or more than double the weekly normal of 0.97 inches. This was Iowa's wettest week since early May 2005. Minor to moderate flooding was widespread following the early week rain over the southern two-thirds of the state. Meanwhile, daytime temperatures on Tuesday (24th) were in the low 50's northwest to upper 70's southeast. On Wednesday (25th) highs were mostly near 50 degrees while on Thursday (26th) highs were in the upper 40's east to low 60's west. Dry and much warmer weather prevailed over the weekend. On Friday (27th) highs were in the upper 60's east to low 70's west. Saturday (28th) brought 70's statewide while Sunday (29th) saw temperatures soar into the 80's southeast and 90's northwest. Temperature extremes for the week ranged from Friday (27th) morning lows of 37 degrees at Clarinda, Mapleton and Spencer to Sunday (29th) afternoon highs of 95 degrees at Sioux Center and Spencer. The 95 degree readings at Spencer and Sioux Center were April records for both cities and the highest April temperatures in Iowa since Sioux City reached 96 degrees on April 15, 2002. Temperatures for the week as a whole averaged 3.9 degrees above normal. Soil temperatures as of Sunday (29th) were averaging near 60 degrees statewide.

Statewide Crop Conditions as of April 29, 2007

Item	Very Poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
Range & Pasture	2	10	28	47	13

PRELIMINARY IOWA PRECIPITATION Provided by Harry Hillaker, State Climatologist

State Climatologist, Iowa Dept. of Agriculture & Land Stewardship
PRECIPITATION FOR THE WEEK ENDING 7 A.M., CDT, MON., APR. 30, 2007 (inches)



Field Work and Crop Progress as of April 29, 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	Percent	Percent	Percent	Percent	Percent
Fertilizer application completed	73	81	78	85	83	89	80	83	78	81	75	89	88	
Corn planted	13	11	8	16	14	17	21	14	22	14	8	58	46	
Oats planted	77	67	63	66	75	80	97	74	77	73	58	95	96	
Oats emerged	19	8	7	20	20	36	33	34	39	23	7	52	63	

Days Suitable & Soil Moisture Condition as of April 29, 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	Days	Days	Days
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Days suitable	1.5	1.8	1.6	0.8	0.4	2.1	1.0	1.0	1.5	1.3	4.3	4.4	
Topsoil moisture													
Very short	0	0	0	0	0	0	0	0	0	0	0	2	
Short	0	0	0	0	0	0	0	0	0	0	2	7	
Adequate	74	65	58	48	48	52	51	24	41	52	79	72	
Surplus	26	35	42	52	52	48	49	76	59	48	19	19	
Subsoil moisture													
Very short	0	0	0	0	0	0	0	0	0	0	0	6	
Short	2	0	1	0	1	0	0	3	1	1	4	18	
Adequate	73	71	79	60	47	57	47	59	61	62	77	65	
Surplus	25	29	20	40	52	43	53	38	38	37	19	11	

Weather Summary For Iowa Agricultural Statistics Service
Prepared by AWIS, Inc.
For the week ending: Sunday, April 29, 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	79	42	55	6	1.21	0.51	1.96	-0.75	42	20
Sioux Center	95	40	58	6	0.90	0.27	3.36	0.99	60	25
Spencer	79	37	55	5	0.94	0.24	1.45	-1.16	40	13
Spirit Lake	94	43	58	8	0.26	-0.37	1.47	-0.90	55	16
North Central District										
Britt	78	42	55	3	2.62	1.85	4.32	1.41	41	9
Humboldt	76	42	55	2	3.30	2.53	4.79	1.86	41	12
Mason City	77	39	55	4	2.74	1.97	4.63	1.78	42	17
Osage	77	40	55	4	1.88	1.04	3.86	0.70	42	4
North East District										
Decorah	87	38	57	5	1.56	0.72	3.13	-0.16	49	18
Dubuque	82	42	56	4	2.88	1.97	5.86	2.27	48	18
Elkader	83	40	55	4	2.75	1.92	5.87	2.78	42	-3
Fayette	80	41	55	4	2.61	1.77	5.68	2.51	43	14
Waterloo	82	40	56	4	2.46	1.62	4.57	1.39	48	15
West Central District										
Carroll	78	41	54	2	3.90	3.06	5.20	2.02	35	2
Castana	78	40	55	0	4.06	3.34	5.74	3.10	40	8
Guthrie Center	76	39	54	0	6.03	5.19	7.99	4.83	35	-1
Harlan	80	40	55	0	2.87	2.06	4.15	1.17	40	4
Jefferson	79	42	56	4	5.14	4.30	7.21	4.03	45	12
Logan	79	38	55	0	3.35	2.56	5.07	2.27	41	-1
Rockwell City	77	41	54	0	5.11	4.37	7.14	4.44	38	0
Sac City	77	41	54	3	4.09	3.36	5.39	2.63	38	8
Sioux City	79	39	55	1	3.49	2.87	5.81	3.57	42	1
Central District										
Boone	77	41	55	2	4.68	3.84	6.93	3.72	39	4
Des Moines	77	42	57	3	3.01	2.20	5.04	1.79	54	10
Grundy Center	80	42	55	5	3.33	2.50	5.71	2.63	44	19
Marshalltown	79	42	55	3	4.31	3.53	5.22	2.14	45	13
Newton	79	42	56	2	3.15	2.31	4.77	1.64	48	10
Perry	77	43	56	4	5.27	4.46	7.36	4.34	46	13
Toledo	79	42	55	3	2.91	2.07	4.28	1.16	42	12
East Central District										
Cedar Rapids	82	42	55	3	2.39	1.62	3.66	0.58	47	12
Davenport	85	43	57	4	2.96	2.18	4.26	1.12	58	19
Iowa City	83	44	57	2	2.74	1.83	4.94	1.38	57	10
Lowden	85	39	56	4	2.80	1.89	5.02	1.40	47	10
Maquoketa	84	42	55	3	2.35	1.58	4.20	1.10	42	11
Muscatine	84	45	59	4	3.00	2.16	4.54	1.16	65	36
South West District										
Atlantic	88	42	57	4	3.51	2.74	5.79	2.89	54	19
Clarinda	77	37	55	0	2.02	1.14	3.14	-0.12	41	1
Glenwood	78	41	56	1	4.52	3.71	5.86	3.04	44	-1
Red Oak	78	38	56	-2	2.24	1.35	3.21	-0.14	44	-5
Sidney	78	43	56	0	1.75	0.93	2.96	-0.08	45	-2
South Central District										
Allerton	76	42	56	3	3.49	2.65	5.39	2.18	52	31
Beaconsfield	74	41	55	3	3.31	2.47	5.01	1.84	44	8
Chariton	77	41	56	2	3.37	2.48	5.82	2.40	48	12
Indianola	78	42	56	3	2.26	1.35	3.86	0.41	51	12
Leon	77	43	57	4	2.64	1.73	4.54	1.14	50	13
South East District										
Bloomfield	79	43	57	1	2.91	2.03	4.17	0.79	56	7
Burlington	85	46	61	6	1.77	0.93	3.25	-0.12	79	33
Ottumwa	81	43	57	2	3.69	2.85	5.46	2.29	56	11
Washington	81	41	56	0	3.16	2.35	5.35	2.25	52	20

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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 5068 SIOUX FALLS SD 57117