

Iowa Crops & Weather



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For the week ending May 23, 2004

Iowa Experienced Heavy Rain

Agricultural Summary: Most of Iowa experienced heavy rains last week, especially over the weekend. Storms produced hail and heavy rains prompted reports of ponding in fields, soil erosion, and mudding over corn. There were reports of the first alfalfa cutting and oats headed in isolated areas.

There were 2.6 **days suitable for fieldwork**, compared to 3.5 days the previous week and 4.3 days last year at this time. **Topsoil moisture** rated 3 percent short, 62 percent adequate, and 35 percent surplus across Iowa. **Subsoil moisture** rated 1 percent very short, 11 percent short, 68 percent adequate, and 20 percent surplus.

Field Crops Report: **Corn emergence** was 90 percent, compared to 73 percent last week and 9 days ahead of the 5-year average at 69 percent. **Corn condition** was rated 2 percent very poor, 4 percent poor, 24 percent fair, 57 percent good, and 13 percent excellent. **Soybean planting** was 87 percent, compared to 76 percent the previous week, and 12 days ahead of the 5-year average at 61 percent. **Soybean emergence** was at 57 percent, compared to 22 percent the previous week, and ahead of the 5-year average of 23 percent. **Oat condition** was rated 4 percent poor, 21 percent fair, 62 percent good, and 13 percent excellent.

Livestock, Pasture and Range Report: **Pasture and range** condition improved from last week and rated 1 percent very poor, 3 percent poor, 21 percent fair, 59 percent good, and 16 percent excellent.

Iowa Weather Summary

It was an exceptionally active week for weather across Iowa. A frontal boundary separating very warm and humid air to the south and cooler, drier air to the north was located in or near Iowa all

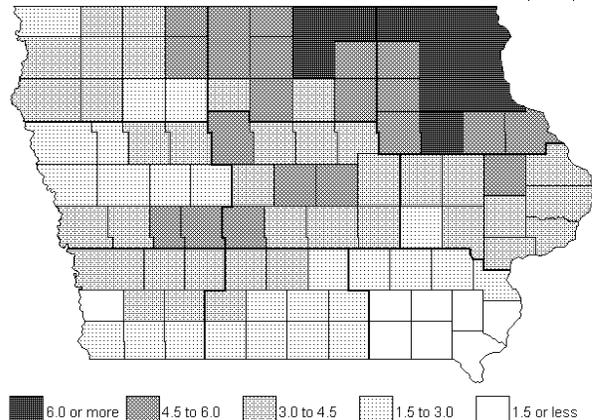
week. This front was the focus for thunderstorm activity, frequent heavy rain, and severe weather. At the beginning of the work week, thunderstorms occurred statewide on Monday (17th) with severe weather reported from 30 counties stretching from southwest into east central Iowa. Tuesday (18th) brought a break in the action with only light to moderate rain reported across the south one-third of the state. Thunderstorms brought severe weather to 10 northwest Iowa counties on Wednesday (19th), as well as an inch or two of rain along most of the Iowa-Minnesota border. Thursday (20th) brought scattered thunderstorms to the southeast one-quarter of Iowa with large hail reported from 4 counties. On Friday (21st), the focus of the storms moved north again with severe weather reported from 43 northern Iowa counties. Tornadoes were reported in 8 counties on Friday while very heavy rain fell across much of north central and northeast Iowa. Thunderstorms rumbled statewide again on Saturday (22nd) with severe weather reported from 29 counties from southwest into east central Iowa. Tornadoes were reported from 15 counties on Saturday while very heavy rain fell across large portions of west central, central, and northeast Iowa. Sunday (23rd) finally brought a break in the weather with thunderstorms restricted to far northwest Iowa.

Rainfall amounts were well above normal over all but far southeast Iowa. Weekly rain totals varied from 0.56 inches at Keokuk to 7.77 inches at Mason City and 7.67 inches at Ames. The statewide average precipitation was 3.77 inches or nearly four times the weekly normal of 0.97 inches. This was Iowa's wettest week since July 1993. Temperatures during the week varied from a Wednesday (19th) morning low of 40 degrees at Cresco to a Friday (21st) afternoon high of 90 degrees at Burlington. Temperatures for the week as a whole averaged from 0.6 degrees below normal at Estherville to 8.9 degrees above normal at Burlington. The statewide average weekly temperature was 4.6 degrees above normal. Severe weather was reported from 78 of Iowa's 99 counties during the week with widespread flooding occurring by the end of the week.

Statewide Crop Conditions as of May 23, 2004

Item	Very Poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
Corn	2	4	24	57	13
Oats	0	4	21	62	13
Range & Pasture	1	3	21	59	16

State Climatologist, Iowa Dept. of Agriculture & Land Stewardship
 PRECIPITATION FOR THE WEEK ENDING 7 A.M., CDT, MON., MAY 24, 2004 (inches)



Field Work and Crop Progress as of May 23, 2004

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 emerged	91	94	84	85	94	93	92	91	91	90	73	59	69
Soybeans planted	91	92	75	82	95	85	87	80	88	87	76	51	61
Soybeans emerged	49	60	41	46	73	63	60	65	66	57	22	8	23

Days Suitable & Soil Moisture Condition as of May 23, 2004

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	2.8	2.2	2.7	2.6	3.2	1.7	2.0	2.4	3.1	2.6	3.5	4.3
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Topsoil moisture												
Very short	1	0	0	1	1	0	0	0	0	0	2	0
Short	2	0	2	3	4	2	4	6	7	3	12	1
Adequate	61	48	51	73	51	56	70	62	83	62	78	77
Surplus	36	52	47	23	44	42	26	32	10	35	8	21
Subsoil moisture												
Very short	3	2	0	0	3	0	0	1	1	1	4	1
Short	8	3	9	15	13	2	8	10	27	11	23	7
Adequate	78	48	67	73	64	64	86	67	69	68	69	76
Surplus	11	47	24	12	20	34	6	22	3	20	4	16

Weather Summary For Iowa Agricultural Statistics Service
Prepared by AWIS, Inc.
For the week ending: Sunday, May 23, 2004

STATION	CURRENT WEEK				SINCE APRIL 1				CURRENT WEEK	
	TEMPERATURE			DFN	PRECIPITATION		PRECIPITATION		GDD BASE 50F	
	HI	LO	AVG		TOTAL	DFN	TOTAL	DFN	TOTAL	DFN
North West District										
Estherville	74	43	62	3	4.42	3.65	6.53	1.32	86	13
Sioux Center	78	43	63	1	2.89	2.08	5.98	1.08	93	5
Spencer	77	46	64	4	3.53	2.69	5.71	0.35	98	19
Spirit Lake	74	45	58	-3	4.08	3.34	6.37	1.67	55	-41
North Central District										
Britt	79	47	62	0	5.31	4.48	7.93	2.29	87	0
Humboldt	77	49	63	1	4.20	3.33	8.24	2.49	94	12
Mason City	76	47	65	5	6.96	6.00	12.60	6.64	104	27
Northwood	74	46	61	0	7.06	6.22	11.19	5.51	79	1
North East District										
Decorah	80	44	66	5	6.96	6.09	11.71	5.48	110	27
Dubuque	83	44	66	7	4.29	3.31	6.31	-0.58	114	39
Elkader	82	46	63	3	5.09	4.18	8.34	2.21	95	-3
Independence	82	47	64	5	5.90	4.99	9.32	3.07	101	0
Waterloo	84	50	68	6	4.62	3.69	6.88	0.57	125	39
West Central District										
Audubon	85	48	67	4	4.96	3.98	9.93	3.49	121	25
Carroll	88	52	67	6	2.74	1.73	6.58	0.11	121	35
Castana	84	49	65	3	2.48	1.49	5.29	-0.49	105	21
Guthrie Center	87	53	68	6	3.67	2.68	9.52	3.18	127	39
Harlan	86	49	67	5	4.20	3.18	7.50	1.21	122	31
Jefferson	86	47	67	6	2.91	1.90	7.72	1.25	122	36
Logan	88	52	68	5	5.81	4.76	7.60	1.36	130	32
Rockwell City	86	45	64	2	3.58	2.62	6.49	0.70	101	8
Sioux City	88	46	65	3	1.87	1.00	4.07	-0.96	109	15
Central District										
Ames	88	53	69	8	5.51	4.51	8.76	2.27	135	53
Boone	86	52	67	6	3.13	2.09	7.12	0.58	122	34
Des Moines	87	57	71	7	2.83	1.99	6.99	1.00	146	46
Eldora	83	49	66	4	3.72	2.75	7.06	0.92	112	26
Marshalltown	85	54	69	8	5.31	4.38	8.61	2.50	132	48
Newton	84	52	68	5	4.06	3.08	8.46	2.11	125	32
Perry	87	51	68	6	5.69	4.70	9.80	3.59	127	41
Toledo	85	47	66	6	3.92	2.88	6.22	-0.29	116	37
East Central District										
Cedar Rapids	83	52	69	7	3.15	2.29	6.06	0.19	131	41
Davenport	84	52	69	6	4.04	3.20	7.74	1.83	133	37
Iowa City	86	56	71	7	3.02	2.11	5.89	-0.80	148	45
Lowden	85	50	66	5	3.64	2.67	6.77	-0.05	115	25
Maquoketa	82	47	64	4	3.35	2.47	6.23	0.29	101	22
Muscatine	86	49	68	5	2.86	1.95	6.30	-0.08	127	48
South West District										
Clarinda	85	49	70	7	2.30	1.23	6.37	-0.45	143	45
Glenwood	86	53	70	6	2.04	0.92	5.17	-1.28	140	41
Oakland	85	52	68	6	3.15	2.19	8.10	2.17	129	38
Red Oak	86	54	70	6	3.03	1.98	6.08	-0.65	139	34
Sidney	85	51	70	5	3.02	2.04	7.18	0.87	139	33
South Central District										
Allerton	83	47	68	6	1.65	0.72	3.75	-2.58	129	64
Beaconsfield	84	47	69	7	2.01	1.10	5.51	-0.69	131	41
Chariton	86	51	69	7	2.16	1.24	4.49	-1.98	133	44
Indianola	84	49	68	6	3.59	2.65	7.32	0.69	130	38
Leon	85	44	70	8	1.97	0.92	5.81	-1.03	140	49
South East District										
Bloomfield	84	50	69	6	1.12	0.14	3.78	-2.87	135	34
Burlington	90	57	73	10	0.79	-0.05	4.31	-1.95	165	65
Ottumwa	88	55	71	7	1.67	0.76	3.27	-2.98	146	43

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 2004: AWIS, Inc. All Rights Reserved.