

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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Issued February 4, 2008

Vol 08-02

For the month of January, 2008

Corrected AWIS Table on Page 2

COLD JANUARY

Snow, ice, and cold weather stressed livestock outdoors, causing weight gains to slow. No significant livestock losses were reported. The average depth of **snow cover** for the month of January was 4 inches. **Frost penetration** averaged 13 inches compared to last year's 15 inches. **Soil moisture** availability rated 1 percent very short, 3 percent short, 87 percent adequate, and 9 percent surplus. **Grain movement** for the state was 24 percent none, 35 percent light, 32 percent moderate, and 9 percent heavy.

Availability of hay and roughage supplies was 21 percent short, 74 percent adequate, and 5 percent surplus. **Quality of hay and roughage** supplies was 6 percent poor, 41 percent fair, and 53 percent good. **Utilization of stubble fields** for grazing rated 39 percent none, 35 percent limited, 19 percent moderate, and 7 percent extensive.

Hog and pig losses in January were 17 percent below average, 80 percent average, and 3 percent above average. **Cattle and calf losses** were 20 percent below average, 76 percent average, and 4 percent above average.

IOWA PRELIMINARY WEATHER SUMMARY, JANUARY 2008 Provided by State Climatologist Harry Hillaker

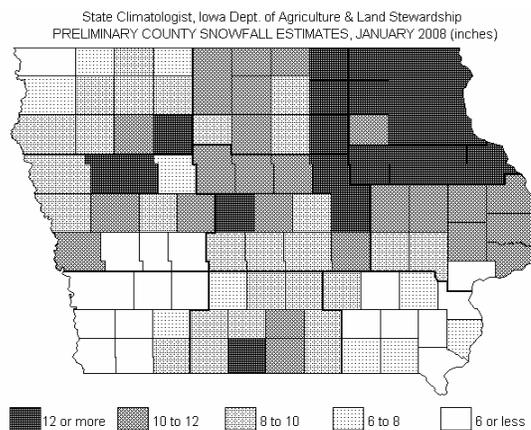
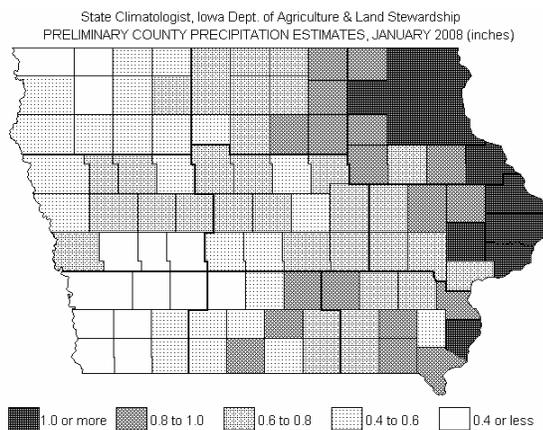
General Summary. January temperatures averaged 16.9 degrees or 0.9 degrees below normal while precipitation totaled 0.68 inches or 0.27 inches less than normal. This ranks as the 47th coldest and 41st driest January among 136 years of records. This month ties with 1999 as the coldest January since 1997. February 2007 and December 2000 are the only colder months recorded in Iowa over the past 11 years.

Temperatures. January's temperatures were highly variable. Temperatures soared into the 60's in parts of southern Iowa on the 6th, 7th and 28th. Keosauqua was the hot spot with a

67 degrees maximum on the 7th. Meanwhile, minimum temperatures of -20 degrees or lower were recorded on the 19th, 20th, 24th and 25th. Stanley, in Buchanan County, was the cold spot at -30 degrees on the morning of the 24th. This was Iowa's lowest official temperature since Elkader recorded -34 degrees on Christmas Day 2000. Only once in the past 11 years has a wider range in temperatures been recorded in one month (102 degrees from -21 degrees to +81 degrees in March 2003). A final example of the highly variable weather were daily temperatures averaging 30 degrees above normal at Burlington on the 7th to 30 degrees below normal at Waterloo on the 24th.

Heating Degree Day Totals. Home heating requirements, as estimated by heating degree day totals, averaged 10 percent greater than last January and 2 percent greater than normal. Thus far this heating season (since July 1, 2007), heating requirements are averaging 6 percent more than last season at this time and 4 percent less than normal.

Precipitation. Precipitation was frequent during January but lacked the major winter storm events seen in December. Measurable precipitation was reported somewhere in Iowa on all but 8 days during the month. Rain, along with some thunderstorms, dampened the eastern one-half of Iowa on the 7th and 8th with a maximum total of 0.73 inches reported at the Keokuk Airport. Snow fell over most of the state on the 16th-17th with 4 to 5 inch amounts common from southwest, through central, into northeast Iowa. Similar amounts of snow were reported on the 20th-21st with greatest amounts over the northern two-thirds of the state. However, the most disruptive storm came on the 29th when wind gusts to near 50 mph produced white out conditions from west central into northeast Iowa despite snow amounts of only 1 to 3 inches in most areas. There was an average of 9.5 inches of snow statewide, or 1.3 inches more than normal. Monthly snowfall totals varied from 3.7 inches at Red Oak to 17.7 inches at Pocahontas. At month's end snow cover of 3 to 12 inches remained over most of the northern one-half of Iowa with plenty of bare ground over southwest and south central Iowa.



Snow Cover and Frost Penetration for the Month of January

Item	Districts									State	Last Month	Last Year	
	NW	NC	NE	WC	C	EC	SW	SC	SE				
	<i>Inches</i>												
Snow cover	7	5	6	3	4	3	2	3	3	4	7	8	
Frost penetration	19	15	14	17	12	11	11	12	8	13	9	15	

**January Weather Summary For Iowa Agricultural Statistics Service
Prepared by AWIS, Inc.**

STATION	AIR TEMPERATURE				PRECIPITATION			HDD TOT	HDD DFN	DAYS OF 32 COLD	DAYS OF 28 COLD
	HI	LO	AVG	DFN	TOTAL	DFN	DAYS				
North West District											
Estherville	40	-15	13	2	0.15	-0.56	3	1,601	-23	31	30
Sioux Center	42	-20	15	-2	0.38	-0.25	3	1,546	13	31	30
Spencer	39	-21	13	-2	0.02	-0.50	2	1,609	23	31	29
Spirit Lake	43	-18	13	2	0.29	-0.27	3	1,605	213	31	30
North Central District											
Britt	40	-20	12	-3	0.35	-0.56	7	1,643	65	31	30
Humboldt	44	-16	13	-4	0.56	-0.17	7	1,597	70	31	30
Mason City	44	-18	14	1	0.12	-0.77	4	1,581	-26	31	29
Osage	42	-18	12	-3	0.96	0.09	7	1,653	129	31	29
North East District											
Decorah	48	-27	15	-1	0.82	0.08	11	1,550	6	30	26
Dubuque	50	-14	18	3	0.97	-0.29	10	1,454	-71	30	26
Elkader	48	-29	14	-3	1.12	0.16	11	1,578	236	30	28
Fayette	43	-22	13	-3	1.00	0.06	10	1,608	58	30	28
Waterloo	44	-22	16	2	0.75	-0.05	12	1,526	-38	30	26
West Central District											
Carroll	51	-15	17	0	0.70	-0.07	9	1,492	-1	31	30
Castana	50	-16	16	-4	0.48	-0.07	7	1,513	-45	31	29
Guthrie Center	53	-24	17	-2	0.43	-0.41	5	1,493	33	31	30
Harlan	51	-12	17	-3	0.31	-0.36	8	1,483	-31	31	29
Jefferson	52	-15	17	0	0.64	-0.13	14	1,494	1	31	31
Logan	50	-18	16	-3	0.20	-0.58	4	1,514	71	31	30
Rockwell City	43	-15	14	-4	0.50	-0.15	6	1,568	91	31	31
Sac City	45	-18	14	-2	0.62	-0.06	7	1,571	41	31	31
Sioux City	46	-19	17	-2	0.33	-0.22	7	1,493	25	31	30
Central District											
Boone	52	-23	15	-3	0.67	-0.24	11	1,551	52	31	30
Des Moines	54	-12	20	1	0.29	-0.67	5	1,382	-32	29	25
Grundy Center	44	-19	14	-1	0.46	-0.40	6	1,576	18	31	30
Marshalltown	47	-19	17	-1	0.08	-0.75	4	1,494	3	31	27
Newton	50	-13	16	-3	0.47	-0.37	5	1,514	66	31	29
Perry	51	-17	16	-2	0.54	-0.16	10	1,507	27	31	30
Toledo	48	-19	15	-2	0.48	-0.37	9	1,552	44	31	29
East Central District											
Cedar Rapids	50	-20	18	-1	0.41	-0.60	7	1,468	-1	30	27
Davenport	61	-18	22	3	1.68	0.61	8	1,316	-76	27	23
Iowa City	56	-12	20	-1	0.41	-0.59	4	1,387	11	30	25
Lowden	58	-23	17	0	1.16	-0.03	11	1,494	28	29	26
Maquoketa	54	-21	16	-2	1.01	-0.10	12	1,514	24	28	26
Muscatine	62	-21	22	1	0.95	-0.30	7	1,339	-219	26	26
South West District											
Atlantic	56	-15	20	2	0.20	-0.52	7	1,394	-61	30	28
Clarinda	54	-18	17	-4	0.36	-0.52	7	1,486	91	31	31
Glenwood	59	-13	19	-2	0.26	-0.48	3	1,411	36	31	30
Red Oak	58	-15	19	-3	0.38	-0.42	4	1,409	59	31	29
Sidney	60	-6	21	0	0.07	-0.62	2	1,364	5	31	28
South Central District											
Allerton	59	-16	19	-1	0.35	-0.65	3	1,412	-253	29	27
Beaconsfield	53	-16	18	-3	0.68	-0.02	4	1,457	56	29	28
Chariton	60	-17	19	0	0.92	-0.03	8	1,409	-12	29	26
Indianola	54	-18	17	-3	0.32	-0.64	6	1,468	61	30	29
Leon	60	-22	20	-1	0.82	-0.15	6	1,399	6	29	28
South East District											
Bloomfield	64	-7	22	-1	0.59	-0.53	6	1,319	5	27	26
Burlington	65	-7	26	5	0.76	-0.48	4	1,211	-130	25	24
Ottumwa	62	-11	22	2	0.50	-0.48	7	1,330	-40	27	25
Washington	62	-13	20	-3	0.76	-0.33	8	1,396	-118	29	26

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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ST. RM 833, DES MOINES IA 50309, POSTMASTER, SEND ADDRESS CHANGES
TO IA CROPS & WEATHER, C/O SD AGRICULTURAL STATISTICS, PO BOX
5068 8968 SIOUX FALLS SD 57117