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In Cooperation with the Iowa Department of Agriculture and Land Stewardship

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For the month of January 2013

Temperatures fluctuated widely in January with temperatures dipping below zero as well as rising near 60 in some areas. Drought conditions continue across the State as little precipitation fell in January.

As January came to a close, topsoil moisture levels rated 46 percent very short, 44 percent short, 10 percent adequate, and 0 percent surplus. The driest area of the State was the southwest corner with 58 percent very short. Over half the land is reported to be very short of moisture in 4 of the 9 districts in the State. Northwest, north central, west central and southwest Iowa all report 52 percent or more of the land is very short of moisture.

Grain movement rated 41 percent none, 40 percent light, 18 percent moderate and 1 percent heavy. January had few weather events causing interruptions to grain transportation.

Availability of hay and roughage supplies fell to 47 percent short, 52 percent adequate and 1 percent surplus with 33 percent of the remaining supply in good condition. Livestock conditions have been reported as normal. Hog and pig losses in January were 20 percent light, 79 percent average and 1 percent heavy. Cattle and calf losses were 22 percent light, 77 percent average and 1 percent heavy. Although wide temperature fluctuations have caused some stress for cattle, livestock conditions have generally been normal. Cattle have been grazing on stocks following the melting of December's snow.

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

General Summary. Iowa temperatures averaged 21.6 degrees or 2.2 degrees above normal while precipitation totaled 0.96 inches or 0.04 inches above normal. This ranks as the 44th warmest and 66th wettest January among 141 years of records.

Temperatures. Temperatures were variable throughout the month with no extended periods of mild or unusually cold weather. The coldest weather came on the first and last days of the month, as well as on the 21st. Elkader reported the lowest official temperature of the month with a -15 degrees reading on New Year's morning. The lowest wind chills were recorded on the morning of the 21st with a -34 degrees reading at Mason City. Finally, the daytime maximum temperature climbed to only -2 degrees at Northwood on the 31st. Mason City's

wind chill on the 21st and Northwood's subzero high on the 31st were the lowest such readings in Iowa since February 8, 2011. On the other extreme, there were a few daily record high maximum temperatures set or tied over portions of southern and eastern Iowa on the 11th, 19th, 28th and 29th. Creston and Mount Ayr recorded the month's highest temperatures with 64 degrees readings in the pre-dawn hours of the 29th.

Heating Degree Days. Home heating requirements, as estimated by heating degree day totals, averaged 11% greater than last January but 6% less than normal. Degree day totals so far this heating season (since July 1, 2012) are running 8% more than one year ago and 6% less than normal.

Precipitation. The new year got off to a very dry start with a near-record low pace of precipitation into the 27th. There was one statewide rain event on the 10th-11th which brought up to seven tenths of an inch to Fort Madison and Keokuk. However a far more active weather pattern prevailed the last few days of January with two larger statewide rain events on the 27th and 28th-29th. Widespread freezing rain occurred on the 27th with glazing of one-quarter inch or more common over the northeast one-third of Iowa. Thunderstorms rumbled over most of the southeast two-thirds of Iowa the night of the 28th with rain amounts of over an inch common over eastern Iowa. There were even a few reports of large hail from Benton and Delaware counties on the evening of the 28th. A statewide average of only 0.7 inches of snow fell across the state through the first four weeks of January. However, heavy snow fell from south central through northeast Iowa on the night of the 29th into the 30th. Storm totals of seven to eight inches were common from Indianola to Guttenberg. Winds gusting from 35 to 45 mph accompanied the snow on the 30th resulting in dangerous travel conditions and forcing the closing of schools across much of the southeast two-thirds of the state. Despite the late-month storm the statewide average snowfall was only 3.6 inches or 4.1 inches below normal. This was the lowest January snow total since 2006 and ranks 19th lowest for the month among 126 years of records. January snow totals varied from only a trace at Swea City to ten inches at Guttenberg. Monthly precipitation totals were above normal across eastern Iowa and well below normal over the northwest. Totals varied from 0.14 inches at Castana to 2.75 inches at Le Claire.

Hay/Roughage Availability as of January 27, 2013

Item	Short	Adequate	Surplus
	(Percent)	(Percent)	(Percent)
Hay/Roughage	47	52	1

Hay/Roughage Quality as of January 27, 2013

Item	Poor	Fair	Good
	(Percent)	(Percent)	(Percent)
Hay/Roughage	23	44	33

Post-Harvest Conditions as of January 27, 2013

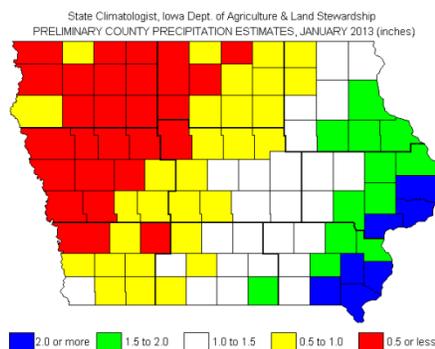
Item	None	Light	Moderate	Heavy
	(Percent)	(Percent)	(Percent)	(Percent)
Grain movement	41	40	18	1

Snow Cover for the Month as of January 27, 2013

Item	Districts									State	Last Month	Last Year
	NW	NC	NE	WC	C	EC	SW	SC	SE			
	(Inches)	(Inches)	(Inches)	(Inches)	(Inches)	(Inches)	(Inches)	(Inches)	(Inches)	(Inches)	(Inches)	(Inches)
Snow cover	2	0	0	0	0	0	0	0	0	0	5	1

Soil Moisture Condition as of January 27, 2013

Item	Districts									State	Last Month	Last Year
	NW	NC	NE	WC	C	EC	SW	SC	SE			
	(Percent)	(Percent)										
Topsoil moisture												
Very short	52	56	41	52	30	39	58	48	33	46	45	21
Short	43	39	47	34	50	52	37	49	46	44	42	36
Adequate	5	5	12	14	20	9	5	3	21	10	13	42
Surplus	0	0	0	0	0	0	0	0	0	0	0	1



January, 2013 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	47	-9	19	7	0.59	-0.12	3	1,408	-190	30	28
Sioux Center	50	-9	21	6	0.19	-0.44	4	1,351	-136	31	27
Spencer	50	-9	20	7	0.24	-0.28	3	1,386	-176	29	27
Spirit Lake	46	-9	19	7	0.32	-0.24	3	1,426	-167	31	29
North Central District											
Britt	45	-10	16	3	0.40	-0.51	4	1,502	-126	31	31
Humboldt	49	-9	19	4	0.38	-0.35	3	1,421	-106	31	28
Mason City	47	-8	19	7	0.37	-0.52	5	1,416	-169	29	27
Osage	45	-10	17	4	0.82	-0.05	5	1,488	-146	31	30
North East District											
Decorah	48	-11	21	7	0.82	0.08	5	1,361	-169	30	28
Dubuque	55	-5	22	7	1.80	0.54	6	1,321	-171	28	24
Elkader	52	-15	18	3	1.96	1.00	7	1,445	-59	31	29
Fayette	50	-7	19	5	1.18	0.24	6	1,417	-183	31	30
Waterloo	50	-5	22	8	1.24	0.44	5	1,331	-201	29	26
West Central District											
Carroll	49	-7	21	5	0.35	-0.42	6	1,373	-97	30	27
Castana	48	-3	21	2	0.14	-0.41	3	1,353	-34	29	28
Guthrie Center	57	-7	22	5	0.40	-0.44	5	1,321	-120	29	27
Harlan	51	-2	22	3	0.47	-0.20	5	1,337	-115	28	28
Jefferson	50	-7	21	5	0.60	-0.17	7	1,370	-91	30	28
Logan	52	-4	22	4	0.24	-0.54	5	1,326	-79	30	28
Rockwell City	48	-9	20	3	0.31	-0.34	3	1,395	-126	30	28
Sac City	47	-9	19	4	0.15	-0.53	3	1,435	-77	31	28
Sioux City	55	-5	22	5	0.17	-0.38	4	1,319	-120	29	27
Central District											
Boone	52	-7	20	4	0.61	-0.30	7	1,381	-98	31	28
Des Moines	59	2	27	8	1.13	0.17	7	1,166	-219	27	24
Grundy Center	51	-6	20	5	0.73	-0.13	4	1,403	-128	31	29
Marshalltown	55	-4	23	7	0.77	-0.06	5	1,294	-201	29	26
Newton	57	-5	22	4	1.27	0.43	8	1,340	-89	31	28
Perry	56	-7	22	5	0.53	-0.17	6	1,340	-121	31	27
Toledo	54	-5	20	5	1.41	0.56	5	1,373	-124	31	27
East Central District											
Cedar Rapids	58	-4	24	7	1.03	0.02	7	1,249	-197	27	24
Davenport	61	-3	26	7	1.77	0.70	6	1,195	-147	25	24
Iowa City	59	-2	26	7	1.45	0.45	6	1,188	-154	25	24
Lowden	58	-7	22	6	2.02	0.83	7	1,323	-153	30	28
Maquoketa	58	-6	21	5	1.88	0.77	5	1,364	-114	30	28
Muscatine	60	0	25	5	2.27	1.02	5	1,232	-110	27	24
South West District											
Atlantic	57	-4	23	6	0.75	0.03	6	1,278	-142	28	27
Clarinda	62	3	26	7	0.75	-0.13	7	1,193	-189	29	27
Glenwood	53	1	24	5	0.81	0.07	4	1,253	-108	29	27
Red Oak	61	3	26	6	0.76	-0.04	5	1,190	-185	28	27
Sidney	59	2	27	7	0.82	0.13	6	1,177	-156	28	28
South Central District											
Allerton	60	2	26	7	1.25	0.25	5	1,203	-178	29	26
Beaconsfield	62	-1	25	6	0.76	0.06	4	1,239	-141	29	26
Chariton	60	1	25	7	1.36	0.41	6	1,226	-173	29	27
Indianola	62	-3	24	5	1.34	0.38	3	1,262	-146	28	27
Leon	62	3	26	7	1.30	0.33	6	1,199	-175	28	27
South East District											
Bloomfield	60	3	27	5	1.37	0.25	6	1,179	-175	29	24
Burlington	61	2	29	8	2.10	0.86	6	1,112	-197	25	23
Ottumwa	61	-1	28	8	1.55	0.57	7	1,144	-192	27	24
Washington	60	-3	25	4	1.76	0.67	8	1,229	-164	30	24

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 2013: AWIS, Inc. All Rights Reserved.