

South Dakota Weekly Crop Weather Report



National Agricultural Statistics Service

South Dakota Field Office

P.O. Box 5068

Sioux Falls, SD 57117-5068

Cooperating with:

SOUTH DAKOTA STATE UNIVERSITY
AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

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For the Month of January 2011
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AGRICULTURAL SUMMARY

The month of January has kept farmers busy clearing new snowfall as well as blowing and drifting snow. Average snow depth for the state is 14.6 inches. Farm activities included caring for livestock, hauling grain, moving snow, and attending farm related meetings and farm shows.

This report was based on information from county extension educators, Farm Service Agency county directors, and other reporters across the state.

WEATHER INFORMATION

The jet stream pattern was oriented generally northwest to southeast across the state during January, according to the State Climate Office of South Dakota. This pattern brought fairly frequent smaller systems from Canada throughout the month with generally smaller snowfalls overall. Some warmer conditions did occur later in the month, especially in the lesser snow covered areas of the west and southwest.

January was generally another cold month statewide. Average temperatures ranged from the single digits in the northeast to lower 20s F in the southwest. Most of the state was below average temperature in the 1°-4° F range. A few stations in the southwest were near to slightly above average, specifically, Custer, Hot Springs, Porcupine, and Spearfish. Porcupine recorded the highest temperature at 57° F; Madison reported the lowest temperature at -26° F. Nearly the whole state reached double-digit values below 0° F with many stations reaching below -20° F.

Precipitation totals were generally above average for the month, though not nearly as high as in December. Philip reported the lowest total for the month at 0.14 inch; Yankton reported the highest total at 1.24 inches. Snowfall totals continued to accumulate in the northeast half of the state where totals range over 20 inches to even above 30 inches in a couple locations. The precipitation did not change the totals since October 1 appreciably. The wet December was offset by drier conditions early in the time period.

SOIL CONDITION

Soil temperatures at the 4-inch depth were below freezing, but not to a great extent as the snow cover had kept temperatures near freezing levels. Redfield had the highest temperature at 35° F. Cottonwood, Aberdeen, and Nisland had the lowest at 30° F.

FIELD CROPS REPORT

Snow cover protection for winter wheat and alfalfa has improved significantly since the month of December. Winter wheat condition is rated 1 percent poor, 32 percent fair, 61 percent good, and 6 percent excellent, and snow cover is rated at 16 percent poor, 52 percent adequate, and 32 percent excellent. Alfalfa snow cover is rated at 6 percent poor, 54 percent adequate and 40 percent excellent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Cold temperatures have increased the demand for feed and water supplies and may be a concern for calf producers if calving begins soon. Feed supplies are rated at 97 percent adequate to surplus, up from last year's 89 percent. Stock water supplies are also in good shape with 98 percent in the adequate to surplus categories, up 10 percentage point from last year. Livestock condition continues to remain mostly in the good to excellent range. Cattle are rated 84 percent in good to excellent condition, with calf deaths rated 12 percent below average, 82 percent average, and 6 percent above average. Sheep are rated 85 percent in good to excellent condition, with sheep and lamb deaths rated 3 percent below average, 91 percent average, and 6 percent above average.

Average Soil Temperatures Week Ending January 30, 2011 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	30	Nisland	30
Beresford	32	Oacoma	31
Bowdle	31	Parkston	31
Brookings	31	Pierre	31
Caputa	31	Redfield	35
Cottonwood	30	South Shore	32

Crop and Livestock Conditions as of January 30, 2011

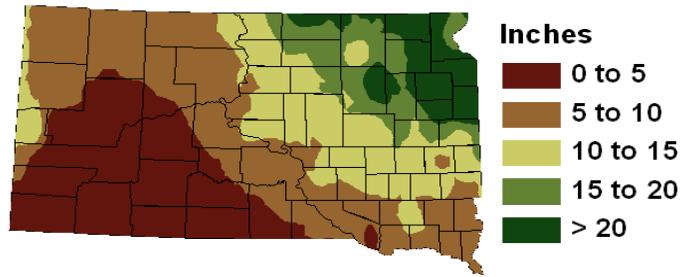
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	0	1	32	61	6
Cattle	1	1	14	71	13
Sheep	1	2	12	74	11

Feed and Water Supplies Comparison as of January 30, 2011

Rating	Feed Supplies			Stock Water Supplies		
	This Week	Last Year	5 Yr. Avg.	This Week	Last Year	5 Yr. Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Very Short	0	1	4	0	2	10
Short	3	10	9	2	10	14
Adequate	93	81	81	89	79	72
Surplus	4	8	6	9	9	4

The next Crop Weather Report will be for the month of February and will be released February 28, 2011

SNOW DEPTH January 29, 2011



TEMPERATURE and PRECIPITATION Month Ending January 31, 2011

District And Station	Temperatures Past Month				Precipitation		
	Average	Departure from Normal	High	Low	Monthly Total	Total Since Oct. 1	Departure from Normal Since Oct. 1
	<i>Degrees</i>	<i>Degrees</i>	<i>Degrees</i>	<i>Degrees</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
Northwest							
Bison	15	-2	40	-15	0.59	2.04	-0.91
Buffalo	15	-2	41	-14	0.95	2.02	-0.42
Dupree	16	-1	41	-16	1.12	2.99	0.21
McIntosh	11	-3	39	-19	0.48	2.62	0.01
Newell	16	-3	43	-19	0.52	2.88	0.21
Timber Lake	13	-2	39	-19	0.70	3.53	0.35
North Central							
Aberdeen	7	-4	40	-24	0.76	3.69	0.47
Faulkton	11	-1	40	-15	0.40	2.60	-0.80
Mobridge	10	-4	41	-24	0.43	2.18	-1.42
Roscoe	8	-2	38	-15	0.37	3.78	0.51
Northeast							
Britton	5	-5	39	-22	1.12	5.37	1.99
Clear Lake	6	-4	34	-19	0.80	5.14	0.52
Sisseton	7	-4	40	-24	0.69	5.46	1.36
Watertown	6	-4	35	-23	0.74	4.54	0.78
Webster	6	-4	35	-17	0.55	7.63	3.90
West Central							
Faith	14	-4	40	-16	0.56	2.21	-1.11
Milesville	17	-2	45	-16	0.27	2.05	-1.07
Philip	18	-1	50	-19	0.14	1.47	-1.10
Rapid City	21	-1	55	-12	0.48	1.83	-0.89
Spearfish	25	1	51	-9	0.80	3.67	-0.66
Central							
Chamberlain	14	-3	45	-20	0.63	2.23	-1.48
Highmore	11	-4	38	-19	0.50	1.35	-1.97
Huron	10	-4	40	-22	0.96	3.27	-0.07
Onida	10	-4	37	-23	0.56	3.29	-0.23
Pierre	14	-3	43	-17	0.77	3.86	0.54
East Central							
Brookings	8	-3	35	-20	0.53	3.77	0.41
Forestburg	12	-3	41	-18	0.92	3.33	-0.49
Madison	8	-3	36	-26	0.21	2.04	-2.19
Mitchell	13	-2	43	-17	0.99	3.53	-0.21
Sioux Falls	11	-3	39	-17	0.79	3.71	-0.59
Southwest							
Custer	25	1	49	-13	0.55	2.85	-0.16
Hot Springs	25	1	55	-19	0.32	2.19	-0.27
Oelrichs	22	0	49	-18	0.16	1.62	-1.13
Porcupine	21	1	57	-23	0.50	3.92	1.15
South Central							
Kennebec	15	-4	43	-20	0.63	2.37	-0.36
Mission	19	-1	52	-14	0.42	2.49	-0.57
Murdo	19	0	46	-10	0.63	3.03	-0.28
Winner	17	-6	49	-10	0.25	0.97	-2.17
Southeast							
Academy	14	-4	45	-20	0.40	1.76	-1.91
Centerville	11	-4	34	-19	0.61	3.43	-0.69
Pickstown	15	-4	52	-17	1.12	3.32	-0.35
Vermillion	15	-4	43	-19	0.29	2.75	-1.56
Yankton	14	-4	48	-17	1.24	4.15	0.13

DATA AND MAP SOURCE: State Climate Office of South Dakota