

# South Dakota Monthly 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 Month Ending December 31, 2006  
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## AGRICULTURAL SUMMARY

The month of December started out mild and dry. Statewide, average temperatures last month were above normal. The latter part of the month brought some rain and snow to much of the central and eastern parts of the state. The western part of the state remains short of moisture. Farm activities focused on caring for livestock and marketing grain.

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

## WEATHER INFORMATION

The southeastern part of the state received the most precipitation in December in the form of both snow and rain. Meanwhile, the northwestern part of the state received little to no precipitation for the month. The average snow depth across the state was reported to be 1.6 inches. Yankton received the most precipitation, at 3.18 inches. Average temperatures were 4 to 13 degrees above normal for the month of December. The high temperature in the state last month was 71 degrees, reported in Pickstown, while Philip had the month's low, at -16 degrees. Weather conditions have had little effect on road conditions. County roads are rated as 98 percent open, with only 2 percent rated difficult to travel on. Township roads are only slightly worse, with 94 percent rated open and 6 percent rated difficult to travel on.

## SOIL CONDITION

Soil temperatures have dropped to the lower 30's which rates them as nearly normal for December. The average soil temperature in Oacoma was 3.8 degrees above normal, while Nisland reported an average soil temperature 1.5 degree below normal.

## FIELD CROPS REPORT

Several producers have expressed concern over the lack of snow cover for winter wheat and alfalfa. Winter wheat condition is rated as 4 percent very poor, 7 percent poor, 41 percent fair, 39 percent good and 9 percent excellent, with snow cover rated at 69 percent poor, 23 percent adequate and 8 percent excellent. Alfalfa snow cover is similarly rated at 72 percent poor, 22 percent adequate and 6 percent excellent.

## LIVESTOCK, PASTURE, AND RANGE REPORT

The mild weather at the beginning of the month allowed producers to conserve feed supplies. They rated their feed supplies 69 percent adequate to surplus. Stock water supplies are more of a concern, with only 50 percent rated adequate to surplus. Also, the mild weather has kept livestock in good condition. Cattle conditions were rated as 79 percent good to excellent, while sheep conditions have similarly high ratings, at 80 percent good to excellent. The fall livestock crop appears to be healthy. Both the fall calf and lamb crops are reported to have only 1 percent above average deaths.

### Soil Temperatures Week Ending Dec 31, 2006 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	32	Gettysburg	31
Brookings	32	Nisland	31
Caputa	31	Pierre	33
Oacoma	32	Redfield	31
Cottonwood	30	South Shore	30

### Crop and Livestock Conditions as of December 31, 2006

Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	4	7	41	39	9
Cattle	0	0	21	59	20
Sheep	0	0	20	65	15

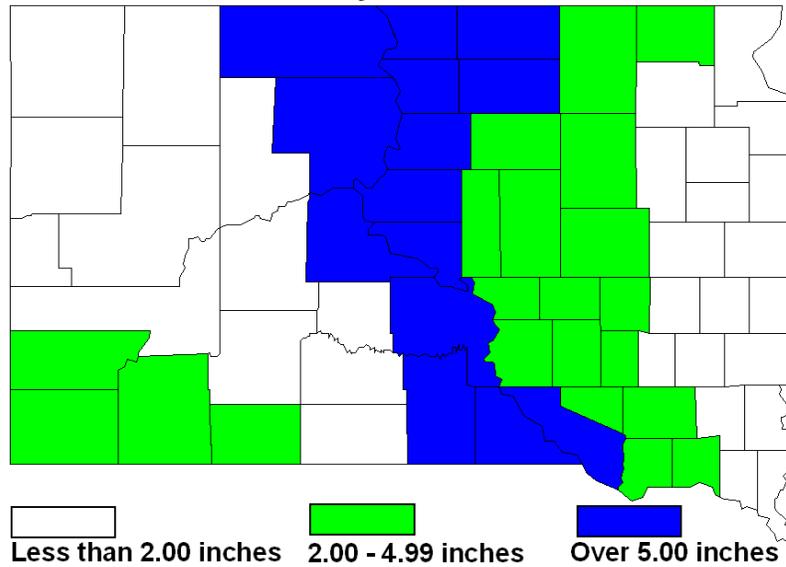
### Feed and Water Supplies Comparison as of December 31, 2006

Rating	Feed Supplies			Stock Water Supplies		
	This Week	Last Year	5 Yr. Avg.	This Week	Last Year	5 Yr. Avg.
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	9	1	N/A	19	15	N/A
Short	22	7	N/A	31	14	N/A
Adequate	66	85	N/A	49	68	N/A
Surplus	3	7	N/A	1	3	N/A

The next Crop Weather Report will be for the month of January and will be released February 5, 2007.

# SNOW DEPTH

## As of Sunday, December 31, 2006



### TEMPERATURE and PRECIPITATION

#### Month Ending December 31, 2006

District And Station	Temperatures Past Month				Precipitation				
	Average	Departure From Norm	High	Low	Total			Departure From Norm.	
					Current Month	Since Jan. 1	Since Apr. 1	Since Jan. 1	Since Apr. 1
	<i>Degrees</i>	<i>Degrees</i>	<i>Degrees</i>	<i>Degrees</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
<b>Northwest</b>									
Bison	27	8	60	-12	0.00	11.66	9.45	-5.29	-5.54
Buffalo	29	10	58	-10	0.00	9.51	8.95	-4.46	-3.84
Dupree	27	8	60	-11	0.11	11.75	9.94	-4.75	-4.87
McIntosh	27	10	59	-12	0.25	11.50	10.44	-4.98	-4.57
Newell	27	7	63	-7	0.10	13.50	12.06	-1.56	-1.50
Timber Lake	26	9	58	-11	0.33	9.63	8.40	-8.06	-7.33
<b>North Central</b>									
Aberdeen	26	11	55	-12	0.88	15.88	14.84	-2.67	-1.53
Eureka	26	13	53	-12	0.59	13.32	12.69	-3.57	-2.62
Faulkton	26	11	56	-8	0.81	13.33	11.94	-5.20	-4.49
Mobridge	27	11	50	-13	0.63	8.33	7.80	-8.61	-7.24
Roscoe	25	10	56	-10	0.84	14.30	13.56	-4.35	-3.17
<b>Northeast</b>									
Britton	27	13	56	-8	0.85	19.69	17.98	0.88	0.88
Clear Lake	25	10	54	-9	1.08	25.33	23.20	1.10	1.88
Sisseton	29	13	64	-3	1.05	21.16	19.59	0.04	0.90
Webster	25	11	57	-9	0.29	20.55	19.08	-0.51	0.31
Watertown	27	12	55	-6	0.74	17.54	16.32	-4.69	-3.38
<b>West Central</b>									
Faith	29	10	63	-11	0.03	11.92	10.47	-4.64	-4.28
Milesville	29	9	59	-13	0.23	14.69	13.04	-3.38	-3.11
Long Valley	30	6	63	-9	0.44	13.34	11.55	-4.35	-4.27
Phillip	31	9	63	-16	0.18	10.53	8.47	-5.49	-5.91
Rapid City	31	8	62	-7	0.01	11.74	10.20	-4.90	-4.50
Spearfish	33	8	64	1	0.05	20.11	17.98	-2.09	-1.43
<b>Central</b>									
Chamberlain	27	7	65	-10	1.59	15.17	12.65	-2.26	-3.01
Highmore	28	10	58	-8	0.91	16.11	14.79	-3.50	-2.75
Huron	29	11	56	-5	1.09	16.93	16.10	-3.15	-1.23
Onida	27	9	53	-9	0.79	15.88	13.96	-2.54	-2.13
Pierre	30	10	55	-3	0.05	11.07	9.61	-7.60	-7.02
<b>East Central</b>									
Brookings	25	11	56	-7	1.35	22.99	20.97	0.10	0.06
Madison	26	11	56	-7	2.07	22.75	20.95	-1.37	-0.06
Mitchell	27	8	61	-6	1.84	25.61	23.16	3.56	3.74
Sioux Falls	29	12	56	-2	1.92	26.64	23.12	2.78	2.05
<b>Southwest</b>									
Custer	29	4	56	1	0.23	18.10	15.49	-0.93	-1.66
Hot Springs	31	4	60	-4	0.30	12.76	9.21	-3.07	-5.13
Oelrichs	30	6	64	-5	0.25	15.54	12.91	-1.33	-2.04
Porcupine	27	6	68	-12	0.38	19.26	16.17	3.37	1.76
<b>South Central</b>									
Murdo	29	9	63	-11	0.37	13.62	10.66	-4.51	-5.21
Winner	30	6	69	-8	1.55	18.15	15.27	-5.40	-5.45
<b>Southeast</b>									
Armour	29	8	65	-6	2.52	24.84	22.91	1.78	2.73
Centerville	28	11	63	-3	2.24	27.46	25.06	2.46	2.84
Marion	27	10	58	-4	2.05	27.51	24.47	2.98	2.93
Pickstown	30	8	71	-1	2.75	26.07	22.92	3.82	3.16
Vermillion	32	11	64	-2	2.10	24.15	21.05	-0.57	-1.04
Yankton	28	8	67	-2	3.18	27.72	23.02	4.26	2.07

SOURCE: National Weather Service, provided by AWIS, Inc.