

# South Dakota Weekly Crop Weather Report

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

## AGRICULTURAL SUMMARY

The first week of April brought little relief to farmers dealing with flooding and cool temperatures. Small grain planting is delayed in many areas as a result of wet soils, cool temperatures and in Northeast South Dakota, snow cover. Only .8 days was suitable for fieldwork. Producers continue to prepare equipment and supplies for planting. Farm activities included caring for livestock, calving and lambing, and hauling grain to market.

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

## WEATHER INFORMATION

A couple storms during the week brought generally light precipitation across most of the state, according to the State climate Office of South Dakota. Additional snow did accompany the events. Nearly all locations in the state received snow, though usually less than a couple inches. Hoover and Timber Lake did receive over 7" of snow for the week. Total precipitation at most locations was mostly less than half an inch, which was below average for the week. Murdo reported the most for the week at 0.72"; Webster reported the low with only a trace.

Warmer temperatures started to return over the state during the latter part of the week. These temperatures re-started the melting of the remaining snow and warmed soil temperatures over all but the snow covered areas. The first 80° F temperatures of the year occurred in the southwest part of the state. Porcupine reported the highest at 81° F. Many other stations across southern parts of the state reached the 60's and 70's F. The remaining snow cover and the additional new snow dropped temperatures into the teens and single digits. Sisseton reported the lowest temperature at 7° F.

## SOIL CONDITION

Soil temperatures at the 4 inch depth continue to improve slowly. Southern and western locations have reached the 40's F while the northeast remains in the low 30's F. Cottonwood had the warmest soil temperature at 45° F; South Shore and Brookings remained the lowest at 32° F.

## FIELD CROPS REPORT

High levels of moisture in the soil are contributing to the delay of planting this year with spring wheat planting estimated at only one percent for the state. Spring planting of barley and oats has not begun in South Dakota for the 2011 planting season. Cool temperatures have also delayed the percent of winter wheat breaking dormancy. Percent of winter wheat that has broken dormancy is estimated at 29 percent, well behind last year's 79 percent. Winter wheat condition is rated 1 percent very poor, 1 percent poor, 36 percent fair, 55 percent good, and 7 percent excellent.

## Feed and Water Supplies Comparison as of April 3, 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	1	1	3	0	0	8
Short	7	8	12	1	2	10
Adequate	83	85	79	76	70	69
Surplus	9	6	6	23	28	13

## LIVESTOCK, PASTURE, AND RANGE REPORT

Flooding and wet pastures are still a concern for calf producers trying to find dry ground. This year's long winter has been hard on some of the older cows. Below normal temperatures have delayed the growth of pastures as well. Feed supplies are rated at 92 percent adequate to surplus, up slightly from last year's 91 percent. Stock water supplies are also in good shape with 99 percent in the adequate to surplus categories, up only 1 percentage point from last year. Livestock condition continues to remain mostly in the good to excellent range. Cattle are rated 80 percent in good to excellent condition, 16 percent fair, and 4 percent in the poor to very poor range. Calving is 37 percent complete compared to 43 percent a year ago and 3 percent of cattle have been moved to pasture. Sheep are rated 81 percent in good to excellent condition, 15 percent fair, and 4 percent in the poor to very poor range. Lambing is 52 percent complete compared to 65 percent last year.

## Soil Moisture Condition Comparison as of April 3, 2011

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Very Short	0	0	0	0	0	0
Short	2	1	2	4	6	2
Adequate	54	57	60	57	57	60
Surplus	44	42	38	39	37	38

## Crop and Livestock Conditions as of April 3, 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	1	1	36	55	7
Cattle	1	3	16	72	8
Sheep	2	2	15	77	4
Range & Pasture	4	6	27	57	6

## Crop Progress as of April 3, 2011 <sup>1</sup>

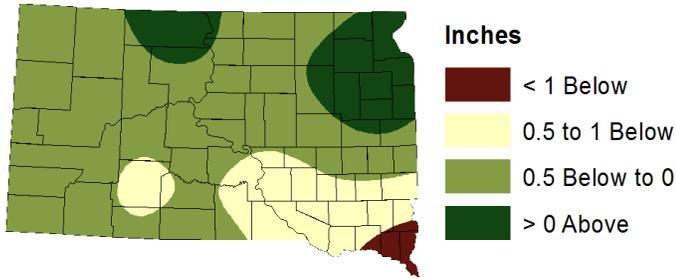
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
<b>Winter Wheat</b>				
Breaking Dormancy	29	NA	79	57
<b>Barley</b>				
Seeded	0	0	2	1
Emerged	0	0	0	0
<b>Oats</b>				
Seeded	0	0	2	2
Emerged	0	0	0	0
<b>Spring Wheat</b>				
Seeded	1	0	3	4
Emerged	0	0	0	0

<sup>1</sup> Percents represent all acreage in or beyond each stage.

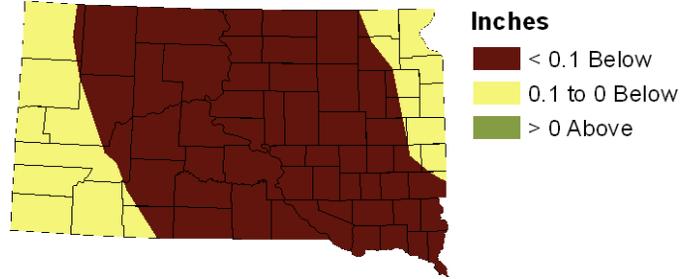
## Average Soil Temperatures Week Ending April 3, 2011 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	33	Nisland	39
Beresford	33	Oacoma	44
Bowdle	34	Parkston	36
Brookings	32	Pierre	41
Caputa	42	Redfield	35
Cottonwood	45	South Shore	32

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
From March 5 to April 3, 2011



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
From April 1 to April 3, 2011



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, April 3, 2011

District And Station	Temperatures Past Week				Precipitation					Growing Degree Days	
	Average	Departure From Normal	High	Low	Total			Departure From Normal		Total	Departure From Normal
					Current Week	Since Oct. 1	Since Apr. 1	Since Oct. 1	Since Apr. 1		
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
<b>Northwest</b>											
Bison	35	-3	55	21	0.30	4.41	0.00	-0.43	-0.18	3	2
Buffalo	36	-1	63	23	0.17	3.67	0.01	-0.09	-0.06	8	8
Dupree	34	-5	55	19	0.22	6.04	0.00	1.43	-0.15	5	4
McIntosh	35	-3	53	21	0.45	3.90	0.00	0.00	-0.12	3	3
Newell	37	-4	73	23	0.21	4.67	0.01	0.27	-0.09	13	10
Timber Lake	36	-2	54	24	0.67	6.14	0.04	1.03	-0.11	5	5
<b>North Central</b>											
Aberdeen	34	-3	52	22	0.21	6.32	0.04	1.11	-0.11	2	2
Faulkton	34	-3	53	21	0.08	4.98	0.00	0.77	-0.10	1	1
Mobridge	35	-2	55	21	0.12	5.21	0.00	-0.02	-0.08	4	4
Roscoe	32	-3	48	20	0.30	7.07	0.01	1.97	-0.14	0	0
<b>Northeast</b>											
Britton	32	-5	48	18	0.15	7.85	0.04	2.67	-0.09	0	0
Clear Lake	31	-5	49	21	0.13	8.42	0.13	1.15	-0.08	0	0
Sisseton	33	-4	49	7	0.13	9.22	0.06	2.73	-0.12	0	0
Watertown	31	-4	50	18	0.19	8.80	0.01	3.06	-0.11	0	0
Webster	33	-3	46	16	0.00	10.85	0.00	5.26	-0.15	0	0
<b>West Central</b>											
Faith	35	-4	61	25	0.07	5.30	0.00	0.04	-0.10	8	6
Milesville	39	-2	68	26	0.13	4.58	0.00	-0.52	-0.15	19	13
Philip	37	-3	70	24	0.11	4.42	0.00	0.16	-0.10	12	8
Rapid City	40	-1	74	22	0.21	3.97	0.00	-0.42	-0.10	16	12
Spearfish	44	4	76	25	0.24	6.03	0.03	-0.62	-0.16	28	25
<b>Central</b>											
Chamberlain	38	-1	63	28	0.04	4.04	0.00	-1.97	-0.12	10	7
Highmore	35	-4	59	24	0.10	3.32	0.00	-2.08	-0.14	6	5
Huron	37	-2	56	25	0.21	6.75	0.00	0.95	-0.14	5	4
Onida	36	-2	58	24	0.35	5.98	0.00	0.06	-0.16	7	6
Pierre	37	-3	64	27	0.28	6.64	0.00	1.42	-0.10	11	7
<b>East Central</b>											
Brookings	34	-4	53	21	0.13	6.27	0.08	1.02	-0.10	2	2
Forestburg	37	-4	58	26	0.26	6.04	0.00	-0.27	-0.21	8	2
Madison	35	-3	55	23	0.24	5.44	0.24	-1.37	0.02	4	4
Mitchell	40	0	61	28	0.29	5.61	0.00	-0.71	-0.23	12	9
Sioux Falls	35	-4	57	22	0.27	5.78	0.00	-1.09	-0.16	6	4
<b>Southwest</b>											
Custer	35	-1	67	21	0.35	5.81	0.02	0.88	-0.08	8	1
Hot Springs	45	4	78	25	0.17	4.12	0.02	0.10	-0.13	31	19
Oelrichs	43	3	80	24	0.12	2.84	0.12	-1.57	-0.03	23	16
Porcupine	43	4	81	27	0.11	6.72	0.06	2.29	-0.09	26	20
<b>South Central</b>											
Kennebec	40	-2	63	26	0.21	4.17	0.00	-0.42	-0.17	19	9
Mission	39	-1	73	26	0.17	5.06	0.05	0.21	-0.10	18	17
Murdo	38	-2	69	26	0.72	5.51	0.00	-0.25	-0.21	13	8
Winner	39	-4	69	27	0.09	3.74	0.00	-0.67	-0.21	14	7
<b>Southeast</b>											
Academy	37	-2	64	26	0.03	2.99	0.00	-3.08	-0.21	11	7
Centerville	37	-4	61	26	0.09	4.76	0.00	-0.80	-0.14	12	8
Pickstown	39	-3	68	28	0.27	5.75	0.00	-0.33	-0.23	15	9
Vermillion	40	-4	62	25	0.13	4.69	0.00	-2.17	-0.24	15	3
Yankton	39	-2	63	27	0.15	6.58	0.00	0.03	-0.21	12	6

DATA AND MAP SOURCE: State Climate Office of South Dakota