

# South Dakota Weekly Crop Weather Report

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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

## AGRICULTURAL SUMMARY

Field work continues to be delayed by precipitation and the lack of sunshine. With only a half of a day suitable for fieldwork in the past seven days small grain seeding made some progress, but is still well behind last year and the five year averages. Farm activities included preparing equipment for planting, caring for livestock, calving and lambing.

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

## WEATHER INFORMATION

Average temperatures were in the upper 30s to low 40s, according to the State Climate Office of South Dakota. For this time of year these temperatures are well below average. Most of the state was 6-12° F below average. For the dates of April 17 – April 23 the averages were the coldest ever for those dates at a few stations particularly in the north central part of the state. Daily temperatures did reach the 60s over much of the state, while many stations fell into the teens again. Oelrichs had the highest temperature of the week at 71° F; Custer had the low at 15° F. The continued cold is keeping GDD accumulations well below average at all locations across the state.

Most of the state was again above average in precipitation except for a few scattered stations statewide. Much of the northwest and north central received over an inch of precipitation during the week. Timber Lake had the highest total for the week at 1.65 inches; Oelrichs received the least at 0.36 of an inch. Accumulations over the last 30 days and growing season show well above average across the middle parts of the state with slightly drier than average around the Black Hills and in the far northeast.

## SOIL CONDITION

Soil temperatures at the 4 inch depth started recovering with warmer temperatures over the weekend. Most of the state stayed in the 40s; northeastern areas were still in the 30s. Oacoma had the warmest soil temperature at 49° F; South Shore remained the lowest at 35° F.

## FIELD CROPS REPORT

Spring wheat, oats and barley all made slight advances in the percent planted over the last week, but are still well behind last year's progress. Spring wheat planting is estimated at 9 percent for the state, compared to 61 percent last year and 47 percent for the five-year average. Sixteen percent of the oats has been planted, down from 57 percent for last year. Eight percent of the barley has been planted, compared to 40 percent last year and 26 percent for the five-year average. The percent of winter wheat breaking dormancy is almost complete with 97 percent of winter wheat broken dormancy, behind last year's 99 percent. Winter wheat condition is 1 percent very poor, 3 percent poor, 26 percent fair, 60 percent good, and 10 percent excellent.

## Feed and Water Supplies Comparison as of April 24, 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	2	4	0	0	6
Short	8	8	13	0	2	10
Adequate	83	82	78	65	73	69
Surplus	9	8	6	35	25	14

## LIVESTOCK, PASTURE, AND RANGE REPORT

Feed supplies are rated at 92 percent adequate to surplus, up slightly from last year's 90 percent. Stock water supplies are also in good shape with 100 percent in the adequate to surplus categories, up only 2 percentage points from last year. Livestock condition continues to remain mostly in the good to excellent range. Cattle are rated 81 percent in good to excellent condition. Calving is 73 percent complete compared to 75 percent a year ago and 11 percent of cattle have been moved to pasture. Sheep are rated 85 percent in good to excellent condition. Lambing is 69 percent complete compared to 82 percent last year.

## Soil Moisture Condition Comparison as of April 24, 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	4	2
Adequate	39	48	70	48	56	71
Surplus	59	51	28	48	40	27

## Crop and Livestock Conditions as of April 24, 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	3	26	60	10
Cattle	0	2	17	72	9
Sheep	0	1	14	78	7
Range & Pasture	3	7	27	56	7

## Crop Progress as of April 24, 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	97	80	99	96
Boot	0	0	2	1
<b>Barley</b>				
Seeded	8	5	40	26
Emerged	0	0	4	3
<b>Oats</b>				
Seeded	16	9	57	42
Emerged	1	0	17	11
<b>Spring Wheat</b>				
Seeded	9	8	61	47
Emerged	2	0	16	12
<b>Corn</b>				
Planted	0	0	12	5

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

## Average Soil Temperatures Week Ending April 24, 2011 (4-inch Depth)

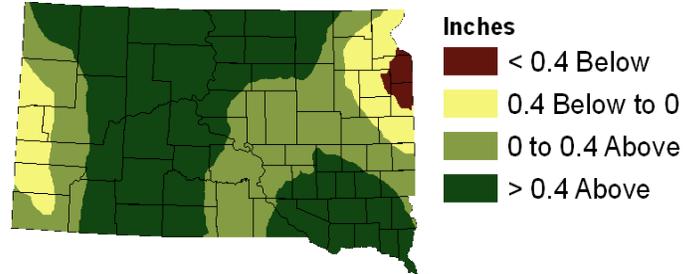
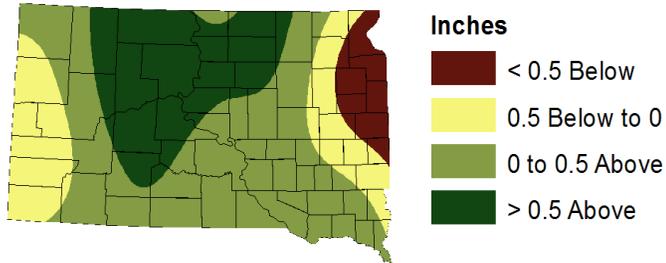
Location	Temp	Location	Temp
Aberdeen	37	Nisland	44
Beresford	40	Oacoma	49
Bowdle	40	Parkston	42
Brookings	40	Pierre	44
Caputa	46	Redfield	41
Cottonwood	48	South Shore	35

PAST 30 DAYS

Accumulated Precip Deviation from Average  
From March 26 to April 24, 2011

GROWING SEASON

Accumulated Precip Deviation from Average  
From April 1 to April 24, 2011



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS  
Week Ending Sunday, April 24, 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	36	-10	62	17	1.29	6.34	1.93	0.05	0.30	75	-33
Buffalo	38	-7	64	17	1.44	5.46	1.80	0.70	0.73	54	-50
Dupree	40	-8	62	20	1.31	8.60	2.56	2.74	1.16	62	-61
McIntosh	33	-14	56	22	1.45	6.36	2.46	1.33	1.21	43	-67
Newell	39	-10	66	22	0.88	5.74	1.08	0.14	-0.22	76	-36
Timber Lake	38	-10	64	25	1.65	8.71	2.61	2.26	1.12	49	-59
<b>North Central</b>											
Aberdeen	37	-10	56	25	1.10	8.81	2.53	2.36	1.14	47	-59
Faulkton	36	-12	56	21	0.92	6.83	1.85	1.28	0.41	35	-82
Mobridge	36	-11	56	26	0.87	7.83	2.62	1.49	1.43	47	-57
Roscoe	35	-11	56	27	1.28	9.38	2.32	2.86	0.75	35	-53
<b>Northeast</b>											
Britton	37	-10	54	23	0.38	9.04	1.23	2.71	-0.05	50	-58
Clear Lake	36	-11	48	25	0.41	9.13	0.84	0.30	-0.93	32	-65
Sisseton	40	-7	63	27	0.64	10.55	1.39	2.65	-0.20	41	-61
Watertown	36	-9	51	24	0.46	9.56	0.77	2.47	-0.70	35	-56
Webster	38	-8	60	29	0.45	11.53	0.68	4.47	-0.94	30	-62
<b>West Central</b>											
Faith	38	-10	61	19	1.29	7.44	2.14	0.94	0.80	59	-60
Milesville	41	-8	62	24	1.11	7.29	2.71	0.90	1.27	91	-40
Philip	38	-10	65	18	0.80	5.99	1.57	0.56	0.30	70	-61
Rapid City	39	-7	65	19	0.86	5.46	1.49	-0.16	0.16	86	-34
Spearfish	42	-5	64	25	0.71	7.11	1.11	-1.23	-0.77	87	-14
<b>Central</b>											
Chamberlain	41	-7	64	27	0.75	6.35	2.31	-1.28	0.57	74	-55
Highmore	35	-12	54	20	0.48	4.55	1.23	-2.61	-0.67	42	-84
Huron	40	-8	55	28	0.60	8.77	2.02	1.40	0.31	59	-55
Onida	37	-11	56	26	0.76	7.66	1.68	0.41	0.19	47	-81
Pierre	39	-10	57	25	0.59	8.85	2.21	2.27	0.75	68	-63
<b>East Central</b>											
Brookings	38	-9	49	26	0.61	7.26	1.07	0.61	-0.51	38	-43
Forestburg	40	-10	58	30	0.82	8.50	2.46	0.35	0.41	65	-68
Madison	37	-10	52	27	0.84	7.61	2.41	-1.00	0.39	42	-58
Mitchell	43	-6	63	33	0.88	8.54	2.93	0.34	0.82	74	-43
Sioux Falls	39	-9	56	28	0.82	8.15	2.37	-0.52	0.41	66	-48
<b>Southwest</b>											
Custer	34	-8	58	15	0.83	7.34	1.55	1.05	0.09	30	-43
Hot Springs	51	-6	68	20	0.60	5.24	1.14	-0.20	-0.43	125	-26
Oelrichs	43	-6	71	22	0.36	3.71	0.99	-2.02	-0.48	104	-41
Porcupine	40	-7	66	17	0.68	8.79	2.13	3.07	0.69	101	-42
<b>South Central</b>											
Kennebec	42	-9	63	28	0.71	6.08	1.91	0.08	0.33	87	-65
Mission	40	-8	60	26	0.68	7.21	2.20	0.94	0.63	72	-40
Murdo	39	-9	54	27	0.69	7.50	1.99	0.19	0.23	67	-64
Winner	40	-11	63	26	0.65	5.30	1.56	-0.85	-0.39	83	-73
<b>Southeast</b>											
Academy	40	-8	69	29	0.94	5.32	2.33	-2.58	0.29	70	-66
Centerville	39	-10	63	30	0.84	7.34	2.58	0.12	0.78	72	-47
Pickstown	43	-7	66	31	0.72	8.08	2.33	0.10	0.20	99	-34
Vermillion	44	-9	67	29	1.20	8.46	3.77	-0.30	1.63	115	-49
Yankton	42	-8	67	30	1.31	10.61	4.03	2.36	2.12	92	-37

DATA AND MAP SOURCE: State Climate Office of South Dakota