

# 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

Released: May 9, 2011 -- 3:00 p.m. CST  
For Week Ending May 8, 2011  
SD-CW6019 Volume 60 Issue 19

## AGRICULTURAL SUMMARY

Spring planting progress is increasing with 4.8 days suitable for fieldwork in the past seven days. Warmer temperatures allowed planting to progress, but most crops are still behind last year's progress and the five year averages. Farm activities included planting, fertilizing, repairing fences, 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

Warmer temperatures spread across the state during the early part of the week and particularly over the weekend, according to the State climate Office of South Dakota. Precipitation was limited over nearly the whole state; this, combined with some wind and lower relative humidity, allowed for improved field work conditions.

Average temperatures were warmer again, ranging from the upper 40's to mid 50's statewide. While warmer than previous weeks, they were still cooler than average across the whole state. Most locations were 1-4° F below average. A couple locations were right at or slightly above average. Kennebec had the highest temperature of the week at 86° F. Many locations again fell well below freezing into the lower 20's. Mobridge had the lowest temperature at 20° F.

Precipitation totals across the state were fairly light or none. Only three stations (all in the east) received over 0.25 inches during the week. Mitchell had the highest total for the week at 0.78 inches; this was the only station to be above average. Seventeen stations received no precipitation. Over the last 30 days the far northeast corner and much of the southwest have been below average in precipitation. There are no drought issues at this point. Several county extension staff report that some areas could use some precipitation.

## SOIL CONDITION

The warming during the latter part of the week also helped increase soil temperatures at the 4 inch depth. Most of the state stayed in the 40's F with a few 50's F in more central areas. Oacoma had the warmest soil temperature at 56° F; four stations, mainly in the northeast, were the lowest at 47° F.

## FIELD CROPS REPORT

Small grains all made advances in the percent planted over the last week, but are still well behind last year's progress. Delays in planting conditions may cause some producers to plant row crops instead of small grains. Spring wheat planting is estimated at 59 percent for the state, compared to 86 percent last year and 85 percent for the five-year average. Sixty-four percent of the oats have been planted, down from 75 percent for last year. Twenty-eight percent of the barley has been planted, compared to 62 percent last year and 67 percent for the five-year average. Warmer temperatures have also aided progress of winter wheat growth with 15 percent now in the boot stage, but still behind last year's 25 percent. Planting of corn is also starting to progress with 17 percent complete. Planting progress is still well behind last year at 45 percent and the five year average of 33 percent.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Feed supplies continue to be in good shape with 91 percent rated adequate to surplus, up from the five year average of 86 percent. Stock water supplies are also in good shape with 99 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 82 percent in good to excellent condition. Calving is 86 percent complete compared to 87 percent a year ago and 36 percent of cattle have been moved to pasture.

Sheep are rated 85 percent in good to excellent condition. Lambing is 91 percent complete compared to 88 percent last year.

## Feed and Water Supplies Comparison as of May 8, 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	0	3	0	1	6
Short	8	5	11	1	2	9
Adequate	85	89	81	70	70	69
Surplus	6	6	5	29	27	16

## Soil Moisture Condition Comparison as of May 8, 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	1	0	1
Short	4	3	2	4	4	2
Adequate	60	51	74	60	54	74
Surplus	36	46	24	35	42	23

## Crop and Livestock Conditions as of May 8, 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	22	65	11
Oats	0	1	14	80	5
Alfalfa	0	6	17	70	7
Cattle	1	1	16	72	10
Sheep	0	0	15	77	8
Range & Pasture	1	7	25	59	8

## Crop Progress as of May 8, 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>				
Boot	15	0	25	17
Headed	0	0	0	0
<b>Barley</b>				
Seeded	28	9	62	67
Emerged	3	1	23	27
<b>Oats</b>				
Seeded	64	30	75	78
Emerged	20	10	43	41
<b>Spring Wheat</b>				
Seeded	59	22	86	85
Emerged	16	5	56	49
<b>Corn</b>				
Planted	17	2	45	33
Emerged	0	0	4	3
<b>Soybeans</b>				
Planted	1	0	4	4
<b>Sorghum</b>				
Planted	0	0	1	3

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

## Average Soil Temperatures Week Ending May 8, 2011 (4-inch Depth)

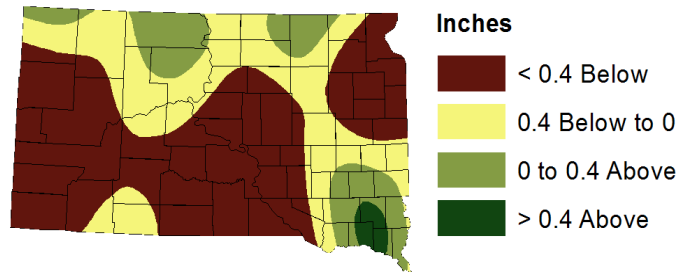
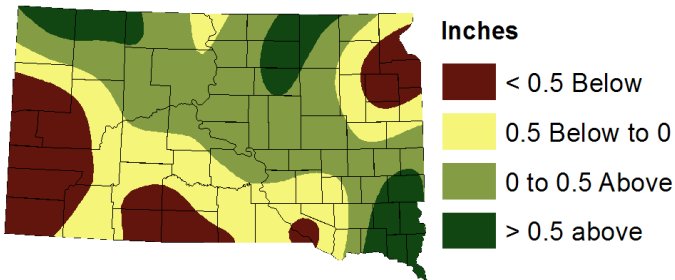
Location	Temp	Location	Temp
Aberdeen	47	Nisland	51
Beresford	47	Oacoma	56
Bowdle	47	Parkston	50
Brookings	49	Pierre	53
Caputa	49	Redfield	51
Cottonwood	55	South Shore	47

**PAST 30 DAYS**

Accumulated Precip Deviation from Average  
From April 9 to May 8, 2011

**GROWING SEASON**

Accumulated Precip Deviation from Average  
From April 1 to May 8, 2011



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, May 8, 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		
	<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	49	-2	71	25	0.00	6.58	2.17	-0.92	-0.67	152	-51
Buffalo	49	-1	69	30	0.06	5.70	2.04	-0.09	-0.06	120	-72
Dupree	49	-3	71	26	0.00	8.66	2.62	1.66	0.08	139	-91
McIntosh	48	-5	71	24	0.00	6.45	2.55	0.43	0.31	98	-111
Newell	51	-2	73	29	0.00	5.98	1.32	-0.79	-1.15	144	-61
Timber Lake	52	-1	80	22	0.00	8.83	2.73	1.24	0.10	134	-75
<b>North Central</b>											
Aberdeen	49	-5	75	27	0.06	9.36	3.08	1.91	0.69	133	-78
Faulkton	49	-4	74	27	0.02	7.11	2.13	0.39	0.48	114	-115
Mobridge	49	-4	74	20	0.00	7.89	2.68	0.59	0.53	142	-56
Roscoe	48	-4	73	25	0.16	9.66	2.60	1.93	-0.18	105	-69
<b>Northeast</b>											
Britton	49	-5	74	27	0.11	9.37	1.56	2.00	-0.76	113	-110
Clear Lake	48	-4	72	28	0.25	10.14	1.85	0.15	-1.08	95	-103
Sisseton	52	-2	74	26	0.41	11.31	2.15	2.32	-0.53	121	-92
Watertown	48	-3	72	25	0.24	10.18	1.39	2.11	-1.06	106	-82
Webster	52	-1	73	30	0.25	12.21	1.36	4.14	-1.27	99	-93
<b>West Central</b>											
Faith	52	-2	70	29	0.00	7.55	2.25	-0.13	-0.27	138	-85
Milesville	54	0	83	29	0.00	7.32	2.74	-0.37	0.00	183	-57
Philip	50	-3	73	27	0.01	6.00	1.58	-0.56	-0.82	164	-75
Rapid City	48	-3	73	27	0.00	5.51	1.54	-1.25	-0.93	157	-59
Spearfish	54	3	73	34	0.00	7.57	1.57	-2.17	-1.71	171	-16
<b>Central</b>											
Chamberlain	51	-2	75	28	0.03	6.50	2.46	-2.56	-0.71	173	-76
Highmore	49	-4	75	21	0.00	4.65	1.33	-3.87	-1.93	125	-117
Huron	51	-3	74	28	0.06	9.40	2.65	0.82	-0.27	148	-75
Onida	55	-2	81	22	0.00	7.71	1.73	-0.63	-0.85	154	-93
Pierre	51	-4	76	27	0.02	8.92	2.28	1.15	-0.37	164	-80
<b>East Central</b>											
Brookings	49	-3	72	26	0.31	8.07	1.88	0.33	-0.79	98	-76
Forestburg	53	-2	74	28	0.28	9.23	3.19	-0.40	-0.34	142	-114
Madison	49	-4	74	24	0.43	8.57	3.37	-1.41	-0.02	106	-97
Mitchell	55	0	83	29	0.78	9.87	4.26	0.27	0.75	167	-66
Sioux Falls	49	-4	75	27	0.19	9.05	3.27	-1.01	-0.08	152	-74
<b>Southwest</b>											
Custer	41	-6	65	21	0.09	7.95	2.16	0.37	-0.59	58	-78
Hot Springs	51	-1	82	24	0.01	5.41	1.31	-1.24	-1.47	217	-47
Oelrichs	49	-4	80	21	0.00	3.86	1.14	-3.10	-1.56	188	-70
Porcupine	50	-2	79	21	0.00	8.83	2.17	1.99	-0.39	180	-76
<b>South Central</b>											
Kennebec	53	-3	86	21	0.17	6.27	2.10	-0.93	-0.68	195	-87
Mission	49	-4	72	26	0.00	7.21	2.20	-0.45	-0.76	148	-63
Murdo	53	-1	74	30	0.00	7.53	2.02	-0.97	-0.93	144	-101
Winner	52	-4	76	30	0.05	5.39	1.65	-2.30	-1.84	177	-111
<b>Southeast</b>											
Academy	50	-3	74	29	0.10	5.49	2.50	-3.98	-1.11	155	-102
Centerville	51	-4	79	27	0.04	8.30	3.54	-0.33	0.33	158	-79
Pickstown	53	-2	78	27	0.07	8.36	2.61	-1.18	-1.08	206	-48
Vermillion	54	-4	80	28	0.00	9.68	4.99	-0.62	1.31	222	-90
Yankton	51	-4	79	29	0.03	11.25	4.67	1.50	1.26	180	-74

DATA AND MAP SOURCE: State Climate Office of South Dakota