

# South Dakota Weekly Crop Weather Report

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For Week Ending May 15, 2011  
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Cooperating with:  
SOUTH DAKOTA STATE UNIVERSITY  
AGRICULTURAL EXTENSION SERVICE and  
U.S. DEPARTMENT OF AGRICULTURE  
FARM SERVICE AGENCY

## AGRICULTURAL SUMMARY

Spring planting progress is slowly increasing with 3.7 days suitable for fieldwork in the past seven days. Warmer temperatures allowed planting to progress, but all crops, except sorghum, 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

A very strong cold front crossed the state last week bringing colder temperatures statewide behind the front, according to the State climate Office of South Dakota. Ahead of the front earlier in the week several stations in the southeast saw very warm temperatures with highs reaching the mid 90's F. After the frontal passage most of the state saw colder, cloudier conditions in the latter part of the week. All of the state received precipitation with most of the state being above average.

Average temperatures ranged from the low 50's F in the north to lower 60's in the southeast. The southeast was above average for the week by up to 4° F while most of the rest of the state was up to 5° F below average. Pickstown and Yankton shared the high temperature of the week at 95° F. Most of the state remained above freezing. Custer had the lowest temperature at 29° F.

Precipitation totals were wide-ranging across the state with a large number of stations receiving over an inch. Dupree had the largest total for the week at 2.25 inches. Centerville had the least at 0.35 inches. Only a few scattered locations were below average. The heavier precipitation fell across western parts of the state, which had been drier recently.

## SOIL CONDITION

Colder temperatures later in the week caused soil temperatures at the 4 inch depth to be fairly stagnant, ranging from the upper 40's F to the low 50's F. Oacoma again had the warmest soil temperature at 54° F; Aberdeen, Bowdle and South Shore were the lowest at 48° F.

## FIELD CROPS REPORT

Small grains all made advances in the percent planted over the last week, but are still behind last year's progress. Corn planting advanced 27 percentage points planted over last week. Spring wheat planting is estimated at 84 percent for the state, compared to 91 percent last year and 93 percent for the five-year average. Eighty percent of the oats have been planted, down from 86 percent for last year. Fifty-nine percent of the barley has been planted, compared to 74 percent last year and 81 percent for the five-year average. Cooler temperatures again slowed progress of winter wheat growth with only 19 percent now in the boot stage, compared to last year's 27 percent. Planting of corn is starting to progress very well with 44 percent complete. Planting progress is still behind last year and the five year average at 55 percent. Soybean planting is beginning with 5 percent now planted, but is still behind last year's 8 percent and 13 percent for the five-year average.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Feed supplies remain in good shape with 93 percent rated adequate to surplus. Stock water supplies are also in good shape with 100 percent in the adequate to surplus categories. Cattle are rated 87 percent in good to excellent condition. Calving is 92 percent complete compared to 91 percent a year ago and 51 percent of cattle have been moved to pasture. Sheep are rated 91 percent in good to excellent condition. Lambing is 98 percent complete compared to 95 percent last year.

## Feed and Water Supplies Comparison as of May 15, 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	5
Short	6	7	12	0	1	9
Adequate	86	86	80	73	70	70
Surplus	7	7	5	27	29	16

## Soil Moisture Condition Comparison as of May 15, 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	1	0
Short	1	4	1	3	4	2
Adequate	62	60	69	61	60	66
Surplus	37	36	30	36	35	32

## Crop and Livestock Conditions as of May 15, 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	20	62	14
Spring Wheat	0	1	18	71	10
Barley	0	0	4	93	3
Oats	0	0	11	81	8
Alfalfa	0	4	12	73	11
Cattle	1	1	11	74	13
Sheep	0	0	9	84	7
Range & Pasture	1	4	23	61	11

## Crop Progress as of May 15, 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	19	15	27	28
Headed	0	0	0	0
<b>Barley</b>				
Seeded	59	28	74	81
Emerged	10	3	47	49
<b>Oats</b>				
Seeded	80	64	86	89
Emerged	34	20	64	62
<b>Spring Wheat</b>				
Seeded	84	59	91	93
Emerged	36	16	68	69
<b>Corn</b>				
Planted	44	17	55	55
Emerged	2	0	15	11
<b>Soybeans</b>				
Planted	5	1	8	13
Emerged	0	0	0	1
<b>Sorghum</b>				
Planted	3	0	1	10

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

## Average Soil Temperatures Week Ending May 15, 2011 (4-inch Depth)

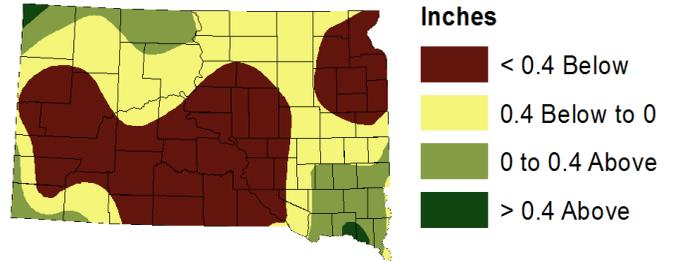
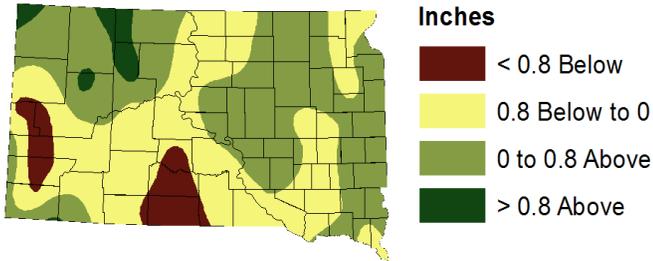
Location	Temp	Location	Temp
Aberdeen	48	Nisland	50
Beresford	52	Oacoma	54
Bowdle	48	Parkston	51
Brookings	50	Pierre	51
Caputa	50	Redfield	52
Cottonwood	51	South Shore	48

PAST 30 DAYS

Accumulated Precip Deviation from Average  
From April 16 to May 15, 2011

GROWING SEASON

Accumulated Precip Deviation from Average  
From April 1 to May 15, 2011



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS  
Week Ending Sunday, May 15, 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	51	-4	75	32	0.95	7.53	3.12	-0.53	-0.28	206	-58
Buffalo	49	-4	74	34	0.53	6.23	2.57	-0.19	-0.16	148	-101
Dupree	51	-5	78	33	2.25	10.91	4.87	3.24	1.66	186	-114
McIntosh	50	-6	77	34	0.78	7.23	3.33	0.49	0.37	132	-144
Newell	50	-5	76	33	0.80	6.78	2.12	-0.58	-0.94	180	-83
Timber Lake	51	-5	82	33	0.75	9.58	3.48	1.36	0.22	182	-94
<b>North Central</b>											
Aberdeen	56	0	83	38	1.06	10.42	4.14	2.41	1.19	195	-86
Faulkton	51	-5	78	35	1.02	8.13	3.15	0.83	-0.04	165	-135
Mobridge	54	-2	85	36	0.36	8.25	3.04	0.39	0.33	193	-72
Roscoe	51	-4	80	34	0.51	10.17	3.11	1.78	-0.33	164	-70
<b>Northeast</b>											
Britton	55	-1	81	38	0.66	10.03	2.22	2.04	-0.72	165	-133
Clear Lake	52	-3	81	37	1.10	11.24	2.95	0.60	-0.63	152	-115
Sisseton	53	-4	82	38	0.43	11.74	2.58	2.15	-0.70	170	-116
Watertown	54	0	81	37	0.76	10.94	2.15	2.36	-0.81	158	-98
Webster	52	-4	80	36	0.71	12.92	2.07	4.29	-1.12	148	-111
<b>West Central</b>											
Faith	51	-5	78	34	1.40	8.95	3.65	0.57	0.43	177	-112
Milesville	52	-5	76	35	1.13	8.45	3.87	-0.01	0.36	237	-73
Philip	53	-3	85	34	1.28	7.28	2.86	0.02	-0.24	213	-99
Rapid City	51	-3	76	33	0.94	6.45	2.48	-0.96	-0.64	193	-84
Spearfish	49	-5	72	33	0.49	8.06	2.06	-2.45	-1.99	205	-36
<b>Central</b>											
Chamberlain	57	1	85	38	1.32	7.82	3.78	-2.06	-0.21	239	-89
Highmore	53	-2	80	35	1.21	5.86	2.54	-3.36	-1.42	179	-138
Huron	57	1	82	38	1.17	10.57	3.82	1.35	0.26	216	-78
Onida	51	-5	77	35	0.95	8.66	2.68	-0.31	-0.53	201	-121
Pierre	55	-2	88	36	1.19	10.11	3.47	1.66	0.14	222	-95
<b>East Central</b>											
Brookings	55	0	82	38	1.28	9.35	3.16	1.01	-0.11	170	-64
Forestburg	55	-3	82	37	1.50	10.73	4.69	0.33	0.39	210	-124
Madison	56	0	82	39	1.16	9.73	4.53	-0.95	0.44	182	-88
Mitchell	56	-2	86	38	1.12	10.99	5.38	0.76	1.24	245	-63
Sioux Falls	60	4	85	41	1.52	10.57	4.79	-0.25	0.68	233	-67
<b>Southwest</b>											
Custer	45	-4	74	29	0.60	8.55	2.76	0.23	-0.73	81	-95
Hot Springs	51	-4	83	32	0.90	6.31	2.21	-1.04	-1.27	273	-61
Oelrichs	51	-4	84	35	0.93	4.79	2.07	-2.80	-1.26	232	-95
Porcupine	50	-5	85	35	1.43	10.26	3.60	2.79	0.41	237	-89
<b>South Central</b>											
Kennebec	55	-4	85	35	1.32	7.59	3.42	-0.31	-0.06	271	-94
Mission	55	0	86	36	1.20	8.41	3.40	-0.07	-0.38	213	-60
Murdo	53	-3	88	33	0.74	8.27	2.76	-0.87	-0.83	213	-102
Winner	57	-2	89	37	1.41	6.80	3.06	-1.76	-1.30	244	-128
<b>Southeast</b>											
Academy	55	-1	86	37	1.58	7.07	4.08	-3.24	-0.37	229	-103
Centerville	58	0	88	39	0.35	8.65	3.89	-0.77	-0.11	244	-68
Pickstown	60	2	95	38	0.90	9.26	3.51	-1.12	-1.02	299	-33
Vermillion	64	4	94	40	0.76	10.44	5.75	-0.70	1.23	330	-74
Yankton	62	4	95	39	0.68	11.93	5.35	1.32	1.08	288	-44

DATA AND MAP SOURCE: State Climate Office of South Dakota