

# 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

Precipitation in northeast and north central South Dakota slowed planting progress and brought farm activities to a halt, and localized severe weather caused damage to crops. There were 3.5 days suitable for fieldwork in the past week. Farm activities focused on attempting to complete the planting of soybeans, moving cattle to pasture, wind-rowing alfalfa, application of fertilizer and chemicals, and general care of livestock.

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

## WEATHER INFORMATION

Heavy precipitation occurred across the state again during the week, according to the State Climate Office of South Dakota, but the amounts were confined mostly to north central and northeast South Dakota where conditions have been much drier since last fall. Much of the rest of the state received only light rains during the week. Sisseton was the wettest recorded location for the week at 2.54". The storms also brought a fair amount of severe weather across the northern and eastern parts of the state with fairly widespread hail and strong wind reports. Nearly all stations across the state now are wetter than average since April 1 and October 1. Unfortunately, the temperatures still did not rebound. Only the southeast was near average, and most of the rest of the state ranged from 4-11°F below average. This continues to push GDD accumulation well behind over the western part of the state where accumulation is around 10 days behind. Most of the east and southeast is a little better off with GDD accumulation at less than a week behind average.

## SOIL CONDITION

Statewide topsoil moisture in the surplus category decreased 9 percentage points to 26 percent. Only 1 percent of the state is rated short or very short for topsoil moisture. Subsoil moisture also decreased to 18 percent surplus, compared to 22 percent last week. Six percent of the state is rated short or very short for subsoil moisture.

## FIELD CROPS REPORT

Cool temperatures during the week slowed the growth of crops, but the warm weekend brought much needed growing degree days. Soybeans were being replanted in the north central part of South Dakota. Corn emerged is now estimated at 92 percent complete, 6 percentage points behind the five-year average. The planting of soybeans increased to 87 percent complete and soybeans emerged has progressed to 60 percent. Small grains progressed to the heading stage, with barley estimated at 3 percent, oats estimated at 7 percent, and spring wheat estimated at 12 percent. Winter wheat was estimated as 2 percent in the turning color stage.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Range and pasture conditions improved again this week, and were rated at 79 percent good to excellent, 4 percentage points higher than last week. Feed supplies were stable, currently rated at 92 percent adequate to surplus. The continued precipitation again raised stock water supplies which are now rated at 93 percent adequate to surplus, 4 percentage points higher than last week. Cattle condition remained stable at 89 percent good to excellent, and cattle moved to pasture is estimated at 95 percent. Sheep condition also remained mostly stable, this week rated at 87 percent good to excellent, only two points lower than last week.

## Feed and Water Supplies Comparison as of June 15, 2008

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	1	1	8	1	6	14
Short	7	9	18	6	10	20
Adequate	83	82	69	72	64	59
Surplus	9	8	5	21	20	7

## Soil Moisture Condition Comparison as of June 15, 2008

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	0	0	0	1	2	4
Short	1	2	3	5	7	7
Adequate	73	63	73	76	69	69
Surplus	26	35	24	18	22	20

## Crop and Livestock Conditions as of June 15, 2008

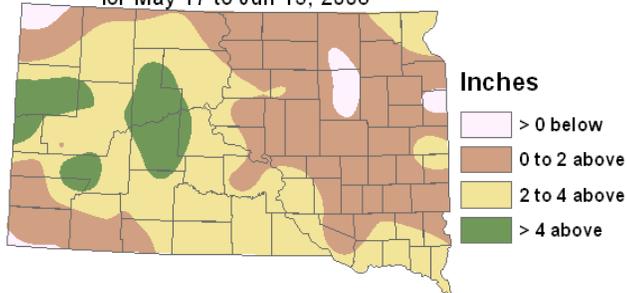
Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	4	5	23	52	16
Spring Wheat	2	4	23	55	16
Barley	3	1	28	59	9
Oats	2	2	20	62	14
Corn	1	5	28	58	8
Soybeans	1	6	33	52	8
Sorghum	0	3	30	61	6
Sunflower	0	5	37	54	4
Alfalfa	2	2	22	59	15
Cattle	0	1	10	72	17
Sheep	0	1	12	67	20
Range & Pasture	1	3	17	59	20

## Crop Progress as of June 15, 2008 <sup>1</sup>

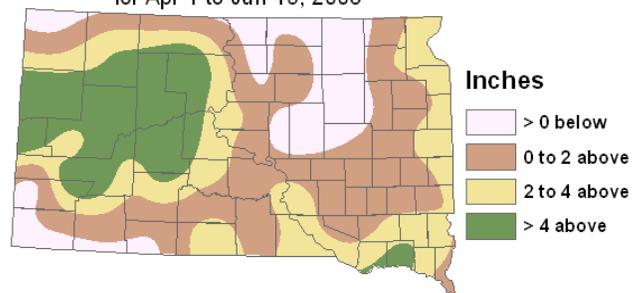
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
<b>Winter Wheat</b>				
Boot	91	80	100	99
Headed	54	24	95	88
Turning Color	2	0	12	10
<b>Barley</b>				
Emerged	97	94	100	100
Boot	18	6	73	63
Headed	3	0	18	18
<b>Oats</b>				
Boot	53	18	82	71
Headed	7	0	29	25
<b>Spring Wheat</b>				
Boot	49	16	79	74
Headed	12	0	25	24
<b>Corn</b>				
Planted	98	95	100	100
Emerged	92	77	99	98
Ave. Height (in.)	6	3	13	10
1st cult./spray	50	29	71	65
2nd cult./spray	3	0	11	11
<b>Soybeans</b>				
Planted	87	79	94	94
Emerged	60	35	80	80
<b>Sorghum</b>				
Planted	73	59	81	80
Emerged	33	22	53	40
<b>Sunflower</b>				
Planted	46	24	52	67
<b>Alfalfa</b>				
1st Cutting	25	6	48	45
<b>Other Hay</b>				
Cut	9	1	14	15

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

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
for May 17 to Jun 15, 2008



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
for Apr 1 to Jun 15, 2008



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, June 15, 2008

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	59	-6	81	43	1.65	12.30	9.84	1.32	3.55	536	-92
Buffalo	54	-8	76	39	0.65	8.50	6.90	-1.89	0.46	417	-85
Dupree	58	-8	82	40	0.47	16.12	13.53	4.95	6.85	569	-77
McIntosh	55	-11	77	40	1.80	8.30	6.80	-1.42	1.02	448	-201
Newell	58	-7	76	42	0.54	15.68	12.69	5.69	6.81	462	-145
Timber Lake	58	-8	81	40	0.66	14.24	11.96	2.75	5.46	566	-61
<b>North Central</b>											
Aberdeen	60	-6	81	42	0.75	8.96	4.50	-2.39	-1.76	578	-72
Faulkton	59	-7	79	44	0.84	10.99	7.10	-1.01	0.59	550	-103
Mobridge	58	-8	81	41	0.72	9.89	7.11	-0.15	1.34	541	-92
Roscoe	58	-7	81	43	1.76	12.37	8.21	0.54	1.36	490	-79
<b>Northeast</b>											
Britton	60	-6	81	46	1.86	10.42	6.55	-0.80	0.31	578	-87
Clear Lake	60	-5	77	47	0.98	15.63	9.86	0.99	2.37	469	-97
Sisseton	62	-4	81	49	2.54	14.73	9.11	1.94	2.66	529	-107
Watertown	60	-4	77	45	1.79	12.56	7.69	0.39	1.12	475	-75
Webster	59	-6	78	47	1.60	13.51	7.93	1.89	1.78	479	-97
<b>West Central</b>											
Faith	57	-9	78	41	0.58	13.95	11.65	2.82	5.26	475	-190
Milesville	59	-8	81	41	0.10	16.66	13.56	4.71	6.59	592	-109
Philip	60	-7	82	42	0.12	15.33	11.40	4.64	4.96	623	-88
Rapid City	57	-6	78	35	0.09	15.10	12.64	4.51	6.32	450	-114
Spearfish	58	-6	76	44	1.20	22.93	16.52	8.38	8.46	480	-88
<b>Central</b>											
Chamberlain	63	-4	85	44	0.00	17.98	10.35	4.42	2.57	622	-64
Highmore	58	-8	81	39	0.07	12.57	6.54	0.13	-0.63	525	-138
Huron	63	-4	83	45	0.31	12.73	7.02	0.16	0.08	632	-48
Onida	60	-6	82	41	0.49	14.33	8.47	2.35	2.10	573	-90
Pierre	61	-7	85	42	0.03	15.84	9.00	3.80	2.05	597	-129
<b>East Central</b>											
Brookings	62	-4	80	48	1.54	16.10	10.60	3.92	3.51	507	-87
Forestburg	64	-5	83	45	0.18	15.17	8.98	1.46	1.30	714	-64
Madison	62	-3	79	48	1.00	15.28	8.75	0.83	0.92	512	-81
Mitchell	66	-2	85	48	0.00	16.01	9.42	2.07	1.58	693	-19
Sioux Falls	67	0	85	51	0.15	19.30	9.74	4.79	1.90	674	-17
<b>Southwest</b>											
Custer	51	-8	74	31	0.01	11.43	7.33	-0.38	0.31	327	-97
Hot Springs	58	-7	83	35	0.00	11.34	7.09	1.01	0.65	591	-117
Oelrichs	59	-7	83	37	0.00	9.24	6.46	-1.61	-0.11	575	-117
Porcupine	58	-7	88	36	0.06	10.63	7.72	0.12	1.51	591	-74
<b>South Central</b>											
Kennebec	63	-6	85	39	0.02	13.74	8.20	2.71	1.62	724	-104
Mission	61	-5	85	39	0.09	16.48	10.31	4.38	2.94	566	-49
Murdo	61	-6	82	43	0.04	15.46	9.08	2.99	2.19	571	-95
Winner	65	-5	85	41	0.04	16.30	9.31	1.76	1.10	640	-190
<b>Southeast</b>											
Armour	66	-4	90	47	0.00	17.10	9.09	2.66	1.18	693	-145
Centerville	67	-2	87	51	0.00	19.60	11.41	5.14	3.28	666	-71
Pickstown	66	-2	88	49	0.10	19.70	11.04	5.55	2.77	662	-85
Vermillion	69	-2	87	51	0.12	20.00	10.65	5.04	2.34	807	-99
Yankton	68	-1	89	52	0.00	22.95	13.14	8.18	4.75	738	-26

DATA AND MAP SOURCE: State Climate Office of South Dakota