

# South Dakota Weekly Crop Weather Report

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AGRICULTURAL EXTENSION SERVICE and  
U.S. DEPARTMENT OF AGRICULTURE  
FARM SERVICE AGENCY

## AGRICULTURAL SUMMARY

Dry weather over the last week helped with the cutting of hay and facilitated the continued development of row crops and small grains across South Dakota. There were 6.4 days suitable for fieldwork in the past week. Farm activities focused on the cutting of alfalfa and other hay, 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

Weather across South Dakota during the past week was generally quiet with only isolated storms, according to the State Climate Office of South Dakota. A few areas of hail and wind damage occurred in some isolated areas of the southeast, southwest, and northwest. The isolated nature of the storms brought some decent rainfalls to certain locations. Faith and Mitchell reported 1.76 and 1.81 inches, respectively; but most stations reported light or no precipitation for the week.

June produced record rainfalls across parts of western South Dakota. But large areas of east river have seen below-average precipitation in the last 30 days and even back to April 1. The driest areas are Aberdeen (over 4 inches below average) and surrounding counties since April 1. Areas of the southeast, while wet in the spring, have been dry during the last 30 days.

Northwest parts of the state saw near to above average temperatures, pushing along GDD development. But most of the rest of the state was several degrees below average again, continuing the trend of GDD accumulation falling behind average.

## SOIL CONDITION

Topsoil moisture ratings dropped in the adequate and surplus categories due to drier conditions, this week rated at 82 percent. Subsoil moisture did not see as large a decline, this week rated at 86 percent adequate to surplus. Several reports were received noting the early signs of moisture stress in cropland and pasture in certain areas of the state.

## FIELD CROPS REPORT

Crop development continued to advance over the past week, but continues to be well behind historical averages. The average height of corn is currently estimated at 25 inches, 13 inches behind the five-year average. Soybeans are beginning to bloom in South Dakota, this week estimated at 5 percent in that stage. Winter wheat is 63 percent turning color and 1 percent ripe, 25 percentage points behind the five-year average in both categories.

## LIVESTOCK, PASTURE, AND RANGE REPORT

The warm, dry weather benefited producers who were cutting hay during the past week. The first cutting of alfalfa has progressed to 78 percent complete and some areas of the state have started the second cutting, this week estimated at 6 percent complete. Range and pasture conditions were unchanged from last week, rated at 86 percent good to excellent. Feed supplies and stock water supplies remain strong, rated at 96 percent and 92 percent adequate to surplus. Livestock continue to have minimal problems, due to a cooler-than-normal summer to this point. Cattle condition and sheep condition are both rated at 92 percent good to excellent.

## Feed and Water Supplies Comparison as of July 6, 2008

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	7	1	10	15
Short	3	7	15	7	12	20
Adequate	85	86	73	71	70	60
Surplus	11	6	5	21	8	5

## Soil Moisture Condition Comparison as of July 6, 2008

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	2	1	5	2	1	7
Short	16	7	26	12	7	15
Adequate	73	80	63	76	82	70
Surplus	9	12	6	10	10	8

## Crop and Livestock Conditions as of July 6, 2008

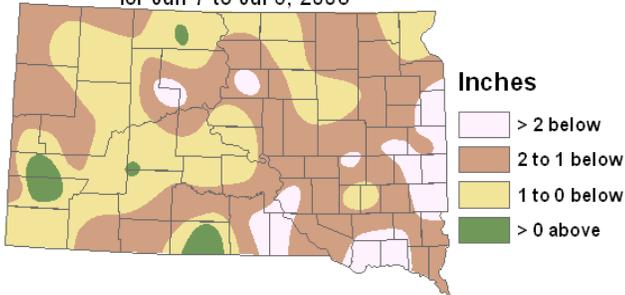
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	3	3	17	55	22
Spring Wheat	2	2	14	58	24
Barley	3	1	22	64	10
Oats	3	2	14	66	15
Corn	1	3	17	57	22
Soybeans	1	3	17	62	17
Sorghum	2	3	18	60	17
Sunflower	1	4	25	59	11
Alfalfa	2	2	19	59	18
Cattle	0	0	8	67	25
Sheep	0	0	8	67	25
Range & Pasture	1	2	11	58	28

## Crop Progress as of July 6, 2008 <sup>1</sup>

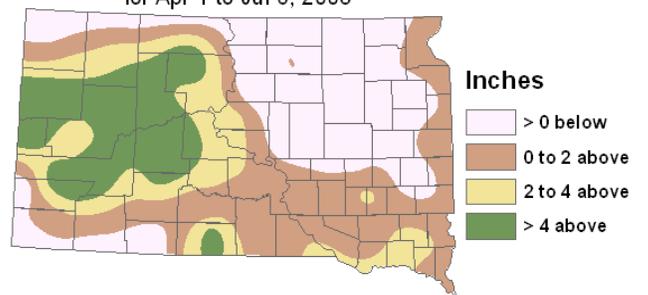
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
<b>Winter Wheat</b>				
Turning Color	63	18	94	88
Ripe	1	0	40	26
Harvested	0	0	10	8
<b>Barley</b>				
Boot	90	73	100	99
Headed	61	30	94	90
Turning Color	5	0	28	23
<b>Oats</b>				
Boot	95	84	100	100
Headed	76	42	97	93
Turning Color	13	1	45	28
<b>Spring Wheat</b>				
Boot	98	90	100	100
Headed	83	51	96	97
Turning Color	3	1	29	30
<b>Corn</b>				
Ave. Height (in.)	25	17	49	38
1st cult./spray	96	89	100	98
2nd cult./spray	46	25	74	66
Tasseled	0	0	11	4
<b>Soybeans</b>				
Emerged	100	95	100	100
Blooming	5	2	26	20
<b>Sorghum</b>				
Emerged	96	82	99	96
<b>Sunflower</b>				
Planted	100	94	97	99
<b>Alfalfa</b>				
1st Cutting	78	66	94	90
2nd Cutting	6	1	21	17
<b>Other Hay</b>				
Cut	48	35	60	56

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

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
for Jun 7 to Jul 6, 2008



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
for Apr 1 to Jul 6, 2008



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, July 6, 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	72	2	93	49	0.25	12.80	10.34	-0.05	2.18	922	-98
Buffalo	71	4	91	53	0.32	9.72	8.12	-2.69	-0.34	784	-38
Dupree	71	0	95	53	0.17	16.63	14.04	3.35	5.25	955	-91
McIntosh	68	-3	90	45	0.01	9.28	7.78	-2.44	0.00	787	-259
Newell	70	-1	91	49	0.22	16.36	13.37	4.61	5.73	837	-169
Timber Lake	70	-1	92	50	0.00	16.34	14.06	2.78	5.49	930	-93
<b>North Central</b>											
Aberdeen	69	-2	92	45	0.00	9.44	4.98	-4.29	-3.66	962	-91
Faulkton	69	-2	92	43	0.00	11.91	8.02	-1.96	-0.36	925	-138
Mobridge	70	-1	91	47	0.24	10.93	8.15	-1.04	0.45	921	-123
Roscoe	68	-1	92	49	0.00	13.19	9.03	-0.89	-0.07	849	-99
<b>Northeast</b>											
Britton	71	1	92	41	0.00	10.59	6.72	-3.14	-2.03	979	-77
Clear Lake	67	-2	87	47	0.00	16.25	10.48	-1.30	0.08	820	-131
Sisseton	70	-1	88	48	0.00	14.87	9.25	-0.23	0.49	906	-130
Watertown	68	-2	88	44	0.01	13.17	8.30	-1.67	-0.94	820	-102
Webster	69	-1	86	52	0.00	13.92	8.34	-0.23	-0.34	851	-116
<b>West Central</b>											
Faith	72	0	94	54	1.76	15.87	13.57	2.83	5.27	854	-236
Milesville	71	-1	92	54	0.40	18.77	15.67	4.72	6.60	976	-157
Philip	72	0	93	54	0.79	17.82	13.89	5.31	5.63	1,018	-125
Rapid City	69	0	89	51	0.59	16.72	14.26	4.34	6.15	793	-140
Spearfish	72	3	90	53	0.28	24.08	17.67	7.18	7.26	865	-79
<b>Central</b>											
Chamberlain	73	0	90	50	0.04	19.22	11.59	3.42	1.57	1,031	-86
Highmore	69	-3	88	46	0.00	14.27	8.24	-0.48	-1.24	897	-173
Huron	70	-2	91	44	0.00	13.94	8.23	-0.87	-0.95	1,011	-100
Onida	71	-1	91	49	0.22	16.18	10.32	2.11	1.86	947	-130
Pierre	70	-4	89	48	0.07	18.98	12.14	4.62	2.87	976	-201
<b>East Central</b>											
Brookings	68	-2	88	46	0.00	16.60	11.10	1.58	1.17	862	-118
Forestburg	71	-2	91	49	0.00	16.14	9.95	0.19	0.03	1,107	-126
Madison	67	-2	87	47	0.00	15.87	9.34	-1.10	-1.01	870	-110
Mitchell	74	1	91	48	1.81	18.94	12.35	2.68	2.19	1,129	-32
Sioux Falls	71	0	92	50	0.14	20.19	10.63	3.38	0.49	1,084	-31
<b>Southwest</b>											
Custer	65	1	85	49	0.95	15.89	11.79	1.97	2.65	607	-95
Hot Springs	71	1	90	45	0.78	13.50	9.25	1.28	0.92	957	-136
Oelrichs	67	-4	94	45	0.77	11.39	8.61	-1.25	0.25	917	-181
Porcupine	70	-1	93	47	0.09	12.40	9.49	-0.15	1.24	965	-99
<b>South Central</b>											
Kennebec	72	-3	91	47	0.58	15.63	10.09	2.52	1.43	1,123	-169
Mission	70	-1	93	50	0.05	19.78	13.61	5.54	4.10	937	-95
Murdo	71	-1	89	54	0.24	18.03	11.65	3.28	2.48	960	-136
Winner	74	-1	95	49	0.29	17.54	10.55	0.69	0.03	1,061	-245
<b>Southeast</b>											
Armour	72	-3	91	49	0.00	18.75	10.74	2.01	0.53	1,104	-213
Centerville	70	-3	88	47	0.00	21.15	12.96	4.03	2.17	1,077	-115
Pickstown	70	-4	95	49	0.00	21.27	12.61	4.84	2.06	1,058	-152
Vermillion	71	-4	89	48	0.00	21.23	11.88	3.76	1.06	1,227	-168
Yankton	70	-4	93	50	0.04	23.52	13.71	6.13	2.70	1,148	-77

DATA AND MAP SOURCE: State Climate Office of South Dakota