

# 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

Heat and significant precipitation helped facilitate crop development throughout South Dakota. There were 5.4 days suitable for fieldwork in the past week. Farm activities focused on the second cutting of hay, application of fertilizer and chemicals, general care of livestock, and for the harvest of small grains.

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

## WEATHER INFORMATION

Average temperatures were at or slightly above average for most parts of the state with highs in the 90s. The central part of the state was a couple of degrees short of the 100F mark with Kennebec, Murdo, and Pierre reporting 98F. While this helped GDD accumulation, GDDs since April 1 continue to remain below average. GDDs for many stations across the state remain 100 or more below average. McIntosh, Faith, and Winner were more than 240 GDDs below average.

Almost all parts of the state received some moisture. Most parts of the state received at least 1" of precipitation. Faulkton, Milesville, Aberdeen, and Timber Lake received precipitation in excess of 3". Precipitation helped the Aberdeen area, but it still remains more than 1" below average, whereas Milesville is 9.5" above average since April 1. An isolated and brief tornado was reported near Polo in Hand County just south east of Faulkton on Thursday. Gusts of up to 60 mph and pea sized hail caused some minor crop damage in that area. Multiple funnel clouds were reported in Faulk County. Hail and flash flooding were reported Sunday in Clay County and Union County, respectively.

## SOIL CONDITION

Last week's precipitation increased topsoil moisture ratings in the state, which are now estimated at 72 percent adequate to surplus. Subsoil moisture remained fairly steady at 79 percent adequate to surplus.

## FIELD CROPS REPORT

Heat and precipitation have helped further field crop development. The average height of corn is currently estimated at 49 inches, 12 inches behind the five-year average. Corn was beginning to silk, with 2 percent in the silk stage. Soybeans advanced to 50 percent in the blooming stage and 5 percent setting pods. Winter wheat is 36 percent ripe, 49 percentage points behind the five-year average. Four percent of winter wheat was harvested. There were reports of some hail and wind damage from the weekend storms, but it is too early for farmers to determine the extent of any damage to row crops or small grains.

## LIVESTOCK, PASTURE, AND RANGE REPORT

The second cutting of alfalfa is well underway, estimated at 34 percent complete. Range and pasture conditions, estimated at 79 percent in the good to excellent categories, declined slightly from last week. Feed supplies and stock water supplies were estimated at 97 and 86 percent adequate to surplus, respectively. There were some reports of livestock stress from heat and humidity, but no other reports of any major livestock problems. Cattle conditions and sheep conditions were both rated at 94 percent good to excellent.

### Feed and Water Supplies Comparison as of July 20, 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	0	1	6	2	11	16
Short	3	10	17	12	18	23
Adequate	86	82	71	75	63	57
Surplus	11	7	6	11	8	4

## Soil Moisture Condition Comparison as of July 20, 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	3	2	13	2	3	9
Short	25	33	51	19	17	33
Adequate	69	60	35	74	75	54
Surplus	3	5	1	5	5	4

## Crop and Livestock Conditions as of July 20, 2008

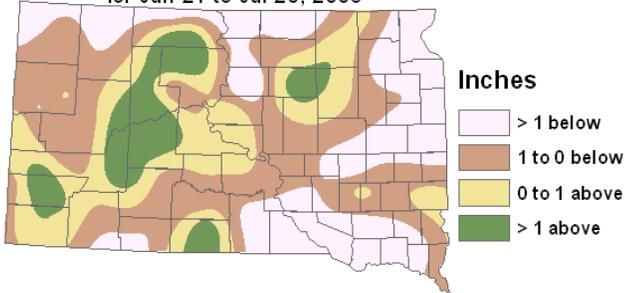
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	1	3	18	61	17
Spring Wheat	2	2	22	55	19
Barley	3	2	22	61	12
Oats	2	2	16	64	16
Corn	1	5	16	58	20
Soybeans	1	6	14	61	18
Sorghum	0	1	13	76	10
Sunflower	0	6	25	62	7
Alfalfa	1	4	15	63	17
Cattle	0	0	6	71	23
Sheep	0	0	6	75	19
Range & Pasture	0	3	18	60	19

## Crop Progress as of July 20, 2008 <sup>1</sup>

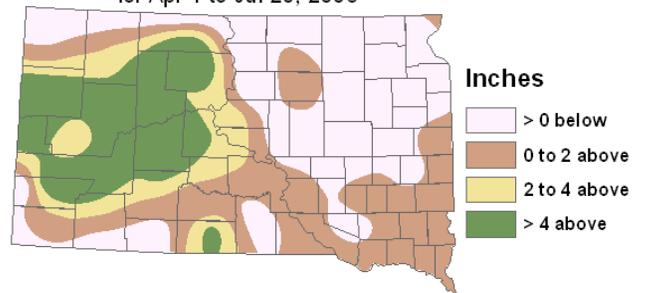
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
<b>Winter Wheat</b>				
Turning Color	97	84	100	100
Ripe	36	12	95	85
Harvested	4	2	71	58
<b>Barley</b>				
Headed	99	89	100	100
Turning Color	52	18	93	81
Ripe	2	1	42	26
<b>Oats</b>				
Headed	99	95	100	100
Turning Color	60	42	93	83
Ripe	11	4	62	41
Harvested	2	0	24	18
<b>Spring Wheat</b>				
Headed	100	96	100	100
Turning Color	40	27	94	88
Ripe	2	1	37	30
<b>Corn</b>				
Ave. Height (in.)	49	37	68	61
2nd cult./spray	82	63	93	93
Tasseled	6	2	63	44
Silked	2	0	33	19
<b>Soybeans</b>				
Blooming	50	26	73	64
Setting Pods	5	1	10	8
<b>Sorghum</b>				
Headed	1	0	46	23
<b>Sunflower</b>				
Blooming	1	0	7	5
<b>Alfalfa</b>				
1st Cutting	96	90	100	99
2nd Cutting	34	19	73	57
<b>Other Hay</b>				
Cut	71	65	83	78

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

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
for Jun 21 to Jul 20, 2008



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
for Apr 1 to Jul 20, 2008



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, July 20, 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		
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
<b>Northwest</b>											
Bison	73	1	95	57	0.39	13.51	11.05	-0.40	1.83	1,217	-112
Buffalo	72	2	94	54	0.35	10.13	8.53	-3.33	-0.98	1,049	-36
Dupree	75	2	96	55	2.40	19.78	17.19	5.46	7.36	1,260	-98
McIntosh	72	-1	94	52	0.09	9.88	8.38	-2.88	-0.44	1,053	-301
Newell	73	-1	94	46	1.18	17.75	14.76	5.11	6.23	1,127	-191
Timber Lake	73	0	96	49	3.43	20.35	18.07	5.64	8.35	1,229	-104
<b>North Central</b>											
Aberdeen	73	0	93	50	3.30	12.87	8.41	-2.18	-1.55	1,252	-112
Faulkton	73	0	97	54	3.10	15.16	11.27	0.17	1.77	1,221	-154
Mobridge	73	-1	94	53	0.87	11.80	9.02	-1.19	0.30	1,209	-159
Roscoe	72	0	94	53	2.20	15.39	11.23	0.03	0.85	1,140	-106
<b>Northeast</b>											
Britton	74	2	93	57	2.79	13.83	9.96	-1.45	-0.34	1,285	-72
Clear Lake	72	1	89	55	1.22	17.47	11.70	-1.67	-0.29	1,117	-125
Sisseton	71	-1	92	56	0.47	15.64	10.02	-0.88	-0.16	1,196	-149
Watertown	72	2	91	53	1.52	14.77	9.90	-1.37	-0.64	1,113	-95
Webster	72	1	89	59	1.50	15.42	9.84	-0.41	-0.52	1,151	-117
<b>West Central</b>											
Faith	73	-1	95	58	1.62	17.49	15.19	3.19	5.63	1,143	-272
Milesville	74	-1	95	53	3.12	23.03	19.93	7.62	9.50	1,272	-184
Philip	76	1	97	56	1.31	19.14	15.21	5.59	5.91	1,323	-140
Rapid City	72	-1	93	50	0.70	17.61	15.15	4.32	6.13	1,059	-176
Spearfish	74	2	94	58	1.33	26.27	19.86	8.39	8.47	1,169	-80
<b>Central</b>											
Chamberlain	77	3	97	62	0.84	20.06	12.43	2.91	1.06	1,367	-71
Highmore	74	1	96	56	1.41	15.68	9.65	-0.59	-1.35	1,192	-190
Huron	75	1	95	55	1.11	15.05	9.34	-1.09	-1.17	1,322	-115
Onida	73	-1	93	49	1.36	17.54	11.68	2.23	1.98	1,247	-143
Pierre	75	-1	98	56	1.84	20.85	14.01	5.21	3.46	1,284	-227
<b>East Central</b>											
Brookings	71	0	88	50	1.00	17.66	12.16	1.24	0.83	1,162	-109
Forestburg	74	0	95	52	0.61	16.75	10.56	-0.50	-0.66	1,427	-137
Madison	72	1	91	49	1.91	17.83	11.30	-0.54	-0.45	1,174	-98
Mitchell	77	3	96	63	0.14	19.10	12.51	1.65	1.16	1,473	-24
Sioux Falls	76	2	96	54	2.35	22.68	13.12	4.54	1.65	1,419	-18
<b>Southwest</b>											
Custer	67	0	81	51	1.42	18.56	14.46	3.24	3.92	820	-107
Hot Springs	72	0	92	42	1.03	15.78	11.53	2.37	2.01	1,243	-142
Oelrichs	72	-2	97	43	1.60	12.99	10.21	-0.64	0.86	1,200	-203
Porcupine	74	1	97	47	1.48	13.91	11.00	0.12	1.51	1,264	-107
<b>South Central</b>											
Kennebec	76	-1	98	49	0.78	16.41	10.87	2.04	0.95	1,442	-183
Mission	74	1	93	54	1.25	21.16	14.99	5.52	4.08	1,256	-97
Murdo	77	3	98	58	0.81	18.84	12.46	2.77	1.97	1,287	-136
Winner	78	1	97	61	0.60	18.31	11.32	-0.10	-0.76	1,402	-244
<b>Southeast</b>											
Armour	77	1	97	56	0.31	19.07	11.06	0.88	-0.60	1,447	-212
Centerville	75	1	89	57	0.48	21.81	13.62	3.16	1.30	1,417	-106
Pickstown	75	0	95	53	0.17	21.48	12.82	3.76	0.98	1,390	-160
Vermillion	76	0	91	56	0.77	22.57	13.22	3.56	0.86	1,584	-157
Yankton	77	2	96	57	0.00	23.78	13.97	4.85	1.42	1,491	-68

DATA AND MAP SOURCE: State Climate Office of South Dakota