

# South Dakota Weekly Crop Weather Report

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For Week Ending June 29, 2008  
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Cooperating with:  
SOUTH DAKOTA STATE UNIVERSITY  
AGRICULTURAL EXTENSION SERVICE and  
U.S. DEPARTMENT OF AGRICULTURE  
FARM SERVICE AGENCY

## AGRICULTURAL SUMMARY

Severe weather including rain and hail has caused damage in isolated areas to South Dakota crops and continued cooler weather keeps crop progression from catching up to historic averages. There were 5.0 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

Widespread storms during the week brought some hail and crop damage as well as significant precipitation, according to the State Climate Office of South Dakota. Some locations in the central part of the state reported over 2 inches of precipitation for the week. Hail and strong winds were the culprits for some crop damage, specifically in Turner County.

These rains continue to spur above average growing season precipitation accumulations except for some small areas in the northeast. Over the last 30 days some areas of the far southeast and far southwest are slightly behind on accumulation. In contrast, some stations in the western part of the state have had near record accumulations in May and June.

Parts of western areas of the state were actually above average temperature for the week. Much of the southeast was still cooler than average by a couple degrees. While temperatures have warmed overall, GDD accumulation still lags average for this time of year running from 3 to 10 days behind average accumulation.

## SOIL CONDITION

Topsoil moisture across the state did not see major changes during the last week with 92 percent rated adequate or surplus. Subsoil moisture also remained stable with 92 percent of the state rated adequate or surplus. The U.S. Drought Monitor continues to rate only a small sliver of southwest South Dakota consisting of 0.4 percent of the state in moderate drought conditions.

## FIELD CROPS REPORT

High temperatures in the 80s and 90s across the state allowed for the continued development of row crops and small grains. The average height of corn is currently estimated at 17 inches, eight inches behind the five-year average. Soybeans emerged has advanced to 95 percent complete. Barley is estimated at 30 percent headed, oats is 42 percent headed and spring wheat is 51 percent headed. These small grain progress statistics remain over 30 percentage points behind the five-year average.

## LIVESTOCK, PASTURE, AND RANGE REPORT

The first cutting of alfalfa has progressed to 66 percent complete. Alfalfa conditions are currently rated at 80 percent good to excellent, 21 percentage points higher than the five-year average. Range and pasture conditions remained stable, this week rated at 86 percent good to excellent. Feed supplies and stock water supplies remain in good shape, rated at 95 percent and 94 percent adequate to surplus. Cattle condition remained stable at 90 percent good to excellent. Sheep condition also remains high, now rated at 93 percent good to excellent.

### Feed and Water Supplies Comparison as of June 29, 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	2	6	1	9	14
Short	4	7	15	5	10	19
Adequate	83	84	73	76	71	60
Surplus	12	7	6	18	10	7

### Soil Moisture Condition Comparison as of June 29, 2008

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	1	1	2	1	2	4
Short	7	4	11	7	6	10
Adequate	80	82	76	82	82	74
Surplus	12	13	11	10	10	12

### Crop and Livestock Conditions as of June 29, 2008

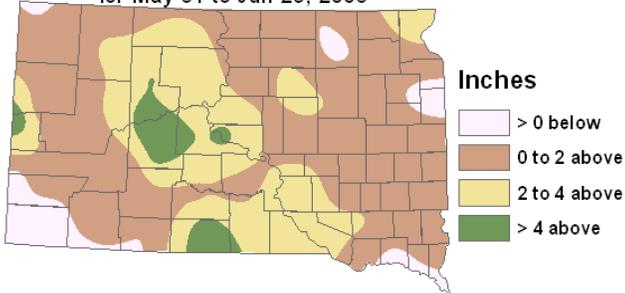
Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	3	3	22	52	20
Spring Wheat	2	3	21	50	24
Barley	3	1	29	54	13
Oats	3	2	20	54	21
Corn	1	3	20	57	19
Soybeans	1	4	19	59	17
Sorghum	2	3	21	61	13
Sunflower	1	4	37	49	9
Alfalfa	3	2	15	63	17
Cattle	1	0	9	67	23
Sheep	0	0	7	64	29
Range & Pasture	1	2	11	58	28

### Crop Progress as of June 29, 2008 <sup>1</sup>

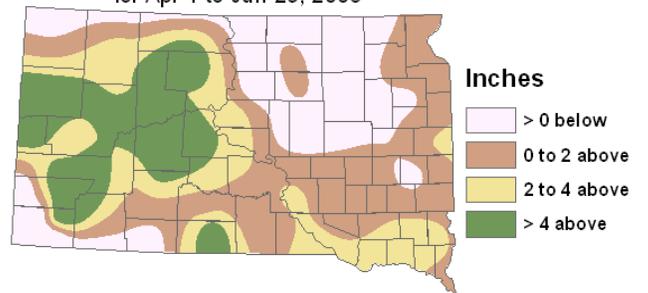
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
<b>Winter Wheat</b>				
Headed	96	87	100	100
Turning Color	18	4	77	63
Ripe	0	0	8	8
<b>Barley</b>				
Boot	73	69	99	96
Headed	30	14	73	72
Turning Color	0	0	8	7
<b>Oats</b>				
Boot	84	76	99	96
Headed	42	22	84	78
Turning Color	1	1	16	10
<b>Spring Wheat</b>				
Boot	90	79	99	98
Headed	51	25	83	84
Turning Color	1	0	7	9
<b>Corn</b>				
Ave. Height (in.)	17	11	34	25
1st cult./spray	89	73	97	94
2nd cult./spray	25	16	51	42
<b>Soybeans</b>				
Emerged	95	79	99	98
Blooming	2	0	10	6
<b>Sorghum</b>				
Planted	97	94	99	97
Emerged	82	63	94	69
<b>Sunflower</b>				
Planted	94	81	89	95
<b>Alfalfa</b>				
1st Cutting	66	48	84	79
2nd Cutting	1	0	7	6
<b>Other Hay</b>				
Cut	35	20	45	42

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

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
for May 31 to Jun 29, 2008



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
for Apr 1 to Jun 29, 2008



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, June 29, 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	69	0	86	51	0.25	12.55	10.09	0.30	2.53	775	-103
Buffalo	67	1	87	49	0.88	9.40	7.80	-2.39	-0.04	645	-59
Dupree	69	0	85	51	0.34	16.46	13.87	3.80	5.70	818	-84
McIntosh	66	-3	84	53	0.69	9.27	7.77	-1.84	0.60	664	-238
Newell	69	0	84	52	0.21	16.14	13.15	4.92	6.04	700	-160
Timber Lake	68	-1	86	51	2.10	16.34	14.06	3.41	6.12	796	-84
<b>North Central</b>											
Aberdeen	69	0	90	51	0.47	9.44	4.98	-3.55	-2.92	828	-81
Faulkton	69	-1	88	53	0.71	11.91	8.02	-1.35	0.25	793	-122
Mobridge	68	-2	87	51	0.74	10.69	7.91	-0.70	0.79	785	-110
Roscoe	68	0	86	49	0.34	13.19	9.03	-0.19	0.63	725	-86
<b>Northeast</b>											
Britton	70	1	89	48	0.17	10.59	6.72	-2.30	-1.19	835	-80
Clear Lake	68	-1	84	51	0.62	16.25	10.48	-0.41	0.97	697	-116
Sisseton	68	-1	87	48	0.14	14.87	9.25	0.54	1.26	769	-123
Watertown	66	-1	85	47	0.60	13.16	8.29	-0.90	-0.17	695	-93
Webster	68	-1	84	48	0.41	13.92	8.34	0.62	0.51	718	-109
<b>West Central</b>											
Faith	68	-3	84	51	0.11	14.11	11.81	1.72	4.16	710	-226
Milesville	69	-2	87	52	1.68	18.37	15.27	5.02	6.90	834	-143
Philip	69	-2	90	50	1.00	17.03	13.10	5.08	5.40	871	-117
Rapid City	66	-2	88	45	0.30	16.13	13.67	4.29	6.10	661	-136
Spearfish	68	0	85	52	0.32	23.80	17.39	7.56	7.64	714	-92
<b>Central</b>											
Chamberlain	69	-1	85	54	1.18	19.18	11.55	4.08	2.23	879	-83
Highmore	69	-1	86	51	1.34	14.27	8.24	0.29	-0.47	767	-156
Huron	68	-2	86	51	1.09	13.94	8.23	-0.16	-0.24	874	-83
Onida	68	-2	84	52	1.53	15.96	10.10	2.56	2.31	807	-120
Pierre	69	-3	86	52	1.97	18.91	12.07	5.28	3.53	840	-175
<b>East Central</b>											
Brookings	68	-1	85	50	0.50	16.60	11.10	2.43	2.02	737	-105
Forestburg	69	-2	86	53	0.74	16.14	9.95	0.89	0.73	966	-106
Madison	68	-1	85	52	0.59	15.87	9.34	-0.33	-0.24	747	-94
Mitchell	71	-1	88	54	0.83	17.13	10.54	1.58	1.09	970	-32
Sioux Falls	69	-1	87	52	0.72	20.05	10.49	3.95	1.06	938	-25
<b>Southwest</b>											
Custer	62	0	82	45	1.00	14.94	10.84	1.72	2.40	499	-103
Hot Springs	67	-1	88	44	0.64	12.72	8.47	1.13	0.77	817	-136
Oelrichs	68	-2	94	47	0.75	10.62	7.84	-1.46	0.04	802	-151
Porcupine	70	0	92	47	0.74	12.31	9.40	0.44	1.83	835	-83
<b>South Central</b>											
Kennebec	70	-3	88	52	1.20	15.05	9.51	2.63	1.54	977	-154
Mission	68	-2	88	52	3.02	19.73	13.56	6.19	4.75	800	-81
Murdo	69	-2	88	54	1.70	17.79	11.41	3.77	2.97	817	-123
Winner	70	-3	87	53	0.76	17.25	10.26	1.17	0.51	902	-238
<b>Southeast</b>											
Armour	69	-4	84	54	1.28	18.75	10.74	2.78	1.30	957	-194
Centerville	70	-1	88	55	1.41	21.15	12.96	4.87	3.01	937	-96
Pickstown	71	-1	88	55	0.47	21.27	12.61	5.54	2.76	924	-121
Vermillion	70	-3	89	52	0.95	21.23	11.88	4.59	1.89	1,080	-147
Yankton	72	0	90	52	0.31	23.48	13.67	6.93	3.50	1,015	-47

DATA AND MAP SOURCE: State Climate Office of South Dakota