

# South Dakota Weekly Crop Weather Report

Released: August 22, 2011 -- 3:00 p.m. CST  
For Week Ending August 21, 2011  
SD-CW6034 Volume 60 Issue 34



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Cooperating with:  
SOUTH DAKOTA STATE UNIVERSITY  
AGRICULTURAL EXTENSION SERVICE and  
U.S. DEPARTMENT OF AGRICULTURE  
FARM SERVICE AGENCY

## AGRICULTURAL SUMMARY

Another week of favorable growing conditions brought 6.0 days suitable for field work. Some areas sustained crop damage from hail storms while others enjoyed much needed rain. Livestock conditions remain good even though some pastures are beginning to show signs of stress from needed rains. Major activities this week included; finishing up harvesting of small grains, harvesting hay, hauling manure, scouting corn and soybean fields and spraying to prevent insect damage.

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

## WEATHER INFORMATION

Dryness has cropped up in a few locations across the state as some areas continue to miss significant rainfall, according to the State Climate Office of South Dakota. This has led to introduction of additional D0 (Abnormally dry) areas and D1 (Moderate Drought) on the US Drought Monitor. Areas of the far southeast and just south of Aberdeen have been the most significant at this point. These locations have seen less than half of average precipitation in the last 30 days. Several station report less than average precipitation for the growing season now, also. Local reports confirmed crops looking stressed. The area from northwest to south central South Dakota continues to be very moist as well as the far northeast corner.

For the last week precipitation was limited except for the northern tier of the state and isolated storms across the south. Four locations reported no precipitation (Newell, Rapid City, Philip and Centerville). Over half the other stations reported less than 0.25 inches. Sisseton reported 2.91 inches for the high for the week. Storms have also caused hail damage in several locations over the last week.

Statewide temperatures were cooler than average except for the far southwest corner. Most of the state was 1-3° F below average. Oelrichs reported the high at 100° F. McIntosh and Newell shared the low at 46° F.

## SOIL CONDITION

Soil moisture conditions continue to be mostly in the adequate to surplus range with topsoil moisture rated at 78 percent adequate to surplus, 5 percentage points below last week, but still 9 percentage points above last year. Subsoil moisture was rated at 83 percent adequate to surplus, just 3 percentage points below the previous week but 7 percentage points above the previous year.

## FIELD CROPS REPORT

Row crop development is advancing slowly, with some areas still needing rain to catch up with previous years. Soybeans setting pods are at 88 percent, behind the previous year of 95 percent. Corn silked is now 97 percent complete, behind last year's 100 percent, but even with the 5-year average. Fifty-five percent of the corn is at or beyond the dough stage, with 7 percent in the dent stage, well behind the 5-year average of 21 percent. Small grain harvesting is progressing on schedule with the exception of barley. Spring wheat harvested is now 86 percent complete, slightly behind the 5-year average of 88 percent. Oats are 90 percent harvested, just 2 percentage points behind the 5-year average of 92 percent.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle and sheep conditions remain steady in the good to excellent range despite some pastures showing signs of stress from lack of rain. Cattle are rated 87 percent in good to excellent condition. Sheep are also rated 87 percent in good to excellent condition. Pasture and range, with 79 percent in good to excellent condition, continue to be well ahead of the 5-year average of 54 percent. Stock water supplies are 96

percent adequate to surplus and feed supplies are 98 percent adequate to surplus, both ahead of the 5-year averages of 76 and 85 percent, respectively.

## Feed and Water Supplies Comparison as of August 21, 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	0	0	4	0	0	10
Short	2	2	11	4	5	14
Adequate	81	76	75	76	72	66
Surplus	17	22	10	20	23	10

## Soil Moisture Condition Comparison as of August 21, 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	1	1	6	1	1	2
Short	21	16	25	16	13	22
Adequate	70	71	61	71	70	62
Surplus	8	12	8	12	16	14

## Crop and Livestock Conditions as of August 21, 2011

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Barley	0	17	15	59	9
Corn	2	4	19	55	20
Soybeans	1	5	20	56	18
Sorghum	0	2	16	65	17
Sunflower	1	2	23	59	15
Alfalfa	0	2	16	63	19
Cattle	0	1	12	72	15
Sheep	0	1	12	68	19
Range & Pasture	1	4	16	62	17

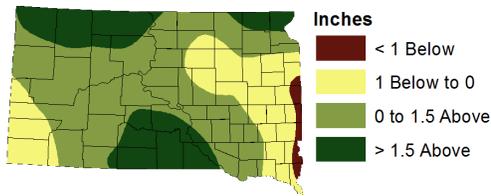
## Crop Progress as of August 21, 2011 <sup>1</sup>

Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
<b>Barley</b>				
Ripe	94	91	94	97
Harvested	65	37	87	85
<b>Oats</b>				
Ripe	97	93	100	99
Harvested	90	76	96	92
<b>Spring Wheat</b>				
Harvested	86	64	92	88
<b>Corn</b>				
Silked	97	93	100	97
Dough	55	28	80	63
Dent	7	1	29	21
Silage Harvested	3	0	0	6
<b>Soybeans</b>				
Setting Pods	88	78	95	91
Dropping Leaves	1	0	3	4
<b>Sorghum</b>				
Headed	92	81	95	90
Coloring	39	21	37	37
Mature	0	0	0	1
Silage Harvested	0	0	0	9
<b>Sunflower</b>				
Blooming	86	59	90	87
Ray Flowers Dry	8	2	14	16
Bracts Yellow	3	0	0	3
<b>Alfalfa</b>				
2nd Cutting	93	89	92	93
3rd Cutting	37	22	40	39

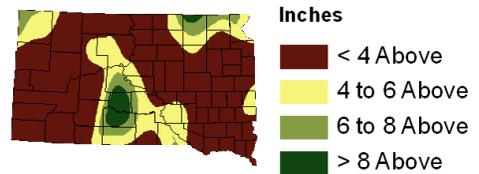
<sup>1</sup> Percents represent all acreage in or beyond each stage.

**ADDRESS SERVICE REQUESTED**

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
From July 23 to August 21, 2011



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
From April 1 to August 21, 2011



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
**Week Ending Sunday, August 21, 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		
Since April 1											
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
<b>Northwest</b>											
Bison	69	-3	94	47	0.45	18.59	14.08	2.84	3.00	1,857	-111
Buffalo	69	-1	93	48	0.84	19.30	15.64	5.04	5.07	1,650	-181
Dupree	71	-1	91	50	0.20	23.64	17.60	7.32	5.74	1,902	-194
McIntosh	69	-2	95	46	0.90	15.11	11.21	0.39	0.27	1,880	-143
Newell	70	-2	95	46	0.00	17.58	12.92	2.11	1.75	1,794	-171
Timber Lake	72	2	95	52	0.84	23.22	17.12	6.41	5.27	1,956	-91
<b>North Central</b>											
Aberdeen	69	-2	90	47	0.47	24.23	17.95	6.57	5.35	2,040	-32
Faulkton	70	-2	90	49	0.13	21.02	14.98	4.80	2.65	1,983	-129
Mobridge	71	-1	94	48	0.86	17.93	12.72	2.91	2.85	1,884	-192
Roscoe	69	0	89	54	0.93	24.34	17.28	6.38	4.27	1,866	40
<b>Northeast</b>											
Britton	69	-2	89	50	0.24	28.80	20.88	10.81	7.89	2,007	-136
Clear Lake	68	-1	86	51	0.03	25.08	16.79	4.05	2.82	1,809	-231
Sisseton	69	-1	89	52	2.91	30.53	21.37	11.26	8.41	2,010	-99
Watertown	72	-2	85	56	0.11	22.70	13.91	3.71	0.54	1,912	-100
Webster	69	0	87	55	0.28	24.38	13.53	4.84	-0.57	1,980	-39
<b>West Central</b>											
Faith	71	-2	93	51	0.13	19.38	14.08	3.09	2.95	1,847	-241
Milesville	72	-2	92	52	0.05	19.95	15.37	2.33	2.70	2,027	-142
Philip	72	-1	95	49	0.00	17.46	13.04	2.11	1.85	1,984	-167
Rapid City	71	0	97	51	0.00	16.57	12.60	1.51	1.83	1,797	-165
Spearfish	71	0	93	47	0.01	18.52	12.52	-0.11	0.35	1,863	-32
<b>Central</b>											
Chamberlain	72	-1	85	54	0.35	20.68	16.51	7.19	3.67	2,141	-113
Higmore	69	-3	87	51	0.03	16.76	12.25	2.37	-0.34	1,925	-238
Huron	70	-2	85	52	0.02	21.35	14.60	2.85	1.76	2,146	-23
Onida	70	-2	91	49	0.06	21.05	15.07	3.15	2.93	2,038	-159
Pierre	71	-3	89	52	0.04	25.68	19.04	7.88	6.36	2,044	-206
Wessington Spr.	72	-2	85	56	0.04	22.81	16.77	3.23	3.29	2,170	-89
<b>East Central</b>											
Brookings	68	-1	83	48	0.14	23.14	16.95	3.74	2.62	1,954	54
Madison	68	-1	84	52	0.10	23.59	18.39	1.98	3.37	2,005	-57
Mitchell	71	-1	88	55	0.33	21.49	15.88	2.53	3.01	2,309	54
Sioux Falls	69	-2	83	52	0.12	24.79	19.01	3.68	4.61	2,154	-53
<b>Southwest</b>											
Custer	65	0	88	56	0.02	21.09	15.30	3.06	2.10	1,272	-220
Hot Springs	75	5	99	53	0.13	15.87	11.77	0.27	0.04	2,006	-69
Oelrichs	74	2	100	54	0.08	13.39	10.60	-1.94	-0.59	1,953	-160
Porcupine	74	3	97	56	0.05	21.01	14.35	5.85	3.47	1,958	-165
<b>South Central</b>											
Kennebec	71	-4	86	49	0.25	20.68	16.51	3.97	4.22	2,191	-173
Mission	71	-1	88	52	0.07	26.57	21.56	8.62	8.31	1,989	-56
Murdo	72	-1	88	55	0.57	29.62	24.11	11.52	11.56	2,050	-137
Winner	73	-2	88	57	0.05	23.48	19.74	4.60	5.06	2,183	-216
<b>Southeast</b>											
Academy	69	-3	84	53	0.79	24.68	21.69	4.58	7.45	2,085	-140
Centerville	69	-3	80	53	0.00	18.46	15.03	-2.36	-0.50	2,139	-58
Pickstown	73	-1	87	55	0.91	20.73	14.98	0.43	0.53	2,378	42
Vermillion	72	-2	84	57	1.08	19.66	14.97	-2.43	-0.50	2,473	-40
Yankton	72	-1	85	58	1.88	26.42	19.84	4.47	4.23	2,332	23