

# South Dakota Weekly Crop Weather Report

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

## AGRICULTURAL SUMMARY

Continued warm and dry weather brought 6.5 days suitable for field work. Some crops and pastures are showing continued signs of stress from lack of rain, but mild temperatures have lessened the severity. Livestock conditions remain mostly in the good to excellent range despite the dry pastures. Major activities this week included; harvesting hay, harvesting of silage, preparing for row crop harvest and winter wheat seeding, and tending to livestock.

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

## WEATHER INFORMATION

Conditions over the holiday weekend reflected the transition to climatological fall as the state was overall cooler and much less humid, according to the State Climate Office of South Dakota. For the week as a whole, temperatures were mostly 1-5° F above average with the cooler temperatures farther to the north and west. Many daily highs still reached the 90°s over most of the state over the week. The high for the week was 100° F at Philip. Most stations reached the 40°s for lows during the week with a few 30°s appearing in the southwest. Porcupine had the low at 36° F.

Precipitation was fairly light over large areas of the state with some smaller areas with over an inch of precipitation. Portions of the southeast, central and southwest did receive over an inch. Centerville led eight stations with over an inch, receiving 2.09 inches. Webster and Timber Lake reported no precipitation for the week. Several stations scattered around the state are now below average for the growing season despite the early season wetness. The worst of these areas in the southwest, northeast to east central and far southeast are depicted as D0 (Anomalously Dry) on the US Drought Monitor. Murdo is at the other extreme with over 11 inches above average precipitation since April 1.

## SOIL CONDITION

Soil moisture conditions have dropped only slightly with the continued shortage of rainfall in many areas. Topsoil moisture is rated at 64 percent adequate to surplus, just 1 percentage point below last week, but still 2 percentage points above last year. Subsoil moisture was rated at 70 percent adequate to surplus, 7 percentage points below the previous week but 3 percentage points above the previous year.

## FIELD CROPS REPORT

Row crop development is progressing on track with some continued signs of stress from lack of moisture. Soybeans dropping leaves are at 24 percent, slightly behind the previous year of 28 percent. Ninety-two percent of the corn is at or beyond the dough stage, with 56 percent in the dent stage, not far behind the 5-year average of 63 percent. Harvesting of corn silage is now 20 percent complete, behind last year at 34 percent and the 5-year average of 25 percent. Sunflowers in the ray flowers dry stage are estimated at 51 percent. Sorghum is 79 percent coloring, ahead of the 5-year average of 72 percent. Third cuttings of alfalfa are 74 percent complete, ahead of the previous year of 69 percent. Producers have just begun seeding of winter wheat with 6 percent complete, 5 percentage points behind last year and 4 percentage points behind the 5-year average.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle and sheep conditions continue in the good to excellent range, though some may need supplemental feeding if rain does not come in the near future. Cattle are rated 85 percent in good to excellent condition. Sheep are rated 89 percent in good to excellent condition. Pasture and range, with 74

percent in good to excellent condition, continue to be well ahead of the 5-year average of 55 percent. Stock water supplies are 94 percent adequate to surplus and feed supplies are 97 percent adequate to surplus, both ahead of the 5-year averages of 76 and 85 percent, respectively.

## Feed and Water Supplies Comparison as of September 4, 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	1	1	9
Short	3	5	11	5	10	15
Adequate	84	80	75	85	74	68
Surplus	13	15	10	9	15	8

## Soil Moisture Condition Comparison as of September 4, 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	8	7	12	7	5	8
Short	28	28	26	23	18	25
Adequate	59	57	57	61	66	58
Surplus	5	8	5	9	11	9

## Crop and Livestock Conditions as of September 4, 2011

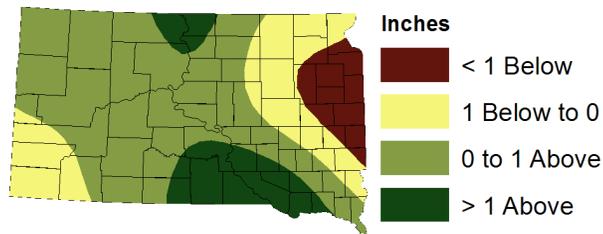
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	2	7	23	52	16
Soybeans	2	6	29	50	13
Sorghum	0	1	19	66	14
Sunflower	1	2	30	57	10
Alfalfa	3	3	19	67	8
Cattle	0	1	14	74	11
Sheep	0	1	10	69	20
Range & Pasture	2	5	19	62	12

## Crop Progress as of September 4, 2011<sup>1</sup>

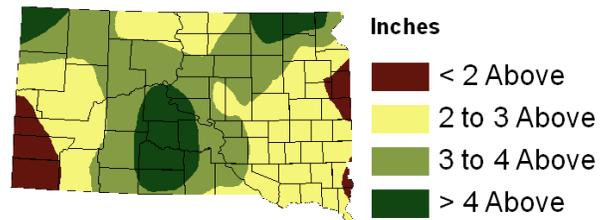
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
<b>Winter Wheat</b>				
Seeded	6	2	11	10
<b>Barley</b>				
Harvested	98	87	98	98
<b>Corn</b>				
Dough	92	87	96	92
Dent	56	26	75	63
Mature	2	0	8	6
Silage Harvested	20	6	34	25
<b>Soybeans</b>				
Dropping Leaves	24	6	28	25
Mature	0	0	1	1
<b>Sorghum</b>				
Coloring	79	41	85	72
Mature	4	0	10	8
Silage Harvested	2	0	18	25
<b>Sunflower</b>				
Ray Flowers Dry	51	13	69	61
Bracts Yellow	15	3	36	32
<b>Alfalfa</b>				
3rd Cutting	74	51	69	64

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

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
From August 6 to September 4, 2011



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
From April 1 to September 4, 2011



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, September 4, 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		
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
<b>Northwest</b>											
Bison	65	-1	94	44	0.12	18.76	14.25	2.45	2.61	2,139	-86
Buffalo	66	1	93	42	0.01	19.31	15.65	4.50	4.53	1,961	-112
Dupree	68	1	93	40	0.35	24.04	18.00	7.08	5.50	2,199	-168
McIntosh	67	1	93	42	0.16	15.35	11.45	-0.07	-0.19	2,145	-135
Newell	68	1	95	47	0.59	18.22	13.56	2.19	1.83	2,155	-68
Timber Lake	68	2	95	49	0.00	23.26	17.16	5.75	4.61	2,238	-75
<b>North Central</b>											
Aberdeen	69	3	89	52	0.47	24.75	18.47	6.10	4.88	2,330	-8
Faulkton	68	1	89	44	0.31	23.25	17.21	5.96	3.81	2,262	-125
Mobridge	69	1	92	50	0.50	18.52	13.31	2.75	2.69	2,202	-142
Roscoe	69	4	86	56	0.21	25.12	18.06	6.66	4.55	2,111	27
<b>Northeast</b>											
Britton	70	4	88	54	0.18	29.42	21.50	10.52	7.60	2,268	-151
Clear Lake	67	3	91	48	0.26	25.34	17.05	3.03	1.80	2,041	-258
Sisseton	67	2	87	50	0.09	31.02	21.86	10.70	7.85	2,264	-112
Watertown	69	5	90	50	0.18	22.88	14.09	2.69	-0.48	2,188	-81
Webster	69	4	89	53	0.00	24.43	13.58	3.72	-1.69	2,146	-132
<b>West Central</b>											
Faith	69	0	95	47	0.41	19.89	14.59	3.15	3.01	2,140	-223
Milesville	69	0	97	41	0.48	20.48	15.90	2.14	2.51	2,340	-110
Philip	71	2	100	46	0.64	18.12	13.70	2.12	1.86	2,252	-176
Rapid City	70	3	98	47	1.30	17.87	13.90	2.18	2.50	2,116	-109
Spearfish	70	4	91	50	0.80	19.85	13.85	0.52	0.98	2,085	-63
<b>Central</b>											
Chamberlain	73	4	95	51	0.12	20.81	16.64	6.48	2.96	2,539	-12
Highmore	69	1	93	49	0.79	17.81	13.30	2.64	-0.07	2,220	-227
Huron	71	3	89	50	1.14	22.56	15.81	3.22	2.13	2,482	31
Onida	67	0	95	43	0.90	22.17	16.19	3.43	3.21	2,320	-163
Pierre	72	2	98	51	1.04	26.79	20.15	8.26	6.74	2,354	-190
Wessington Spr.	71	2	91	52	0.27	23.18	17.14	2.62	2.68	2,472	-77
<b>East Central</b>											
Brookings	67	3	88	46	0.54	24.00	17.81	3.31	2.19	2,206	60
Madison	67	2	89	47	0.46	24.75	19.55	1.75	3.14	2,261	-65
Mitchell	71	3	94	47	0.15	21.64	16.03	1.56	2.04	2,576	32
Sioux Falls	70	3	90	53	1.00	25.79	20.01	3.33	4.26	2,445	-43
<b>Southwest</b>											
Custer	64	3	86	40	1.33	22.42	16.63	3.48	2.52	1,566	-139
Hot Springs	69	3	97	40	0.31	16.51	12.41	0.21	-0.02	2,293	-46
Oelrichs	71	4	99	39	0.90	14.34	11.55	-1.69	-0.34	2,250	-137
Porcupine	68	2	97	36	0.61	21.67	15.01	5.95	3.57	2,260	-137
<b>South Central</b>											
Kennebec	71	1	96	40	0.17	20.89	16.72	3.41	3.66	2,504	-164
Mission	70	3	98	41	0.18	26.78	21.77	8.12	7.81	2,290	-27
Murdo	70	2	98	46	0.31	30.37	24.86	11.69	11.73	2,359	-116
Winner	75	4	99	52	0.34	24.29	20.55	4.53	4.99	2,566	-143
<b>Southeast</b>											
Academy	69	2	91	45	0.17	24.92	21.93	3.84	6.71	2,369	-145
Centerville	70	2	92	53	2.09	20.82	17.39	-1.20	0.66	2,530	57
Pickstown	73	4	94	51	0.10	20.85	15.10	-0.56	-0.46	2,685	41
Vermillion	72	1	92	48	1.98	22.65	17.96	-0.67	1.26	2,786	-40
Yankton	72	4	94	50	1.20	28.33	21.75	5.18	4.94	2,632	28

DATA AND MAP SOURCE: State Climate Office of South Dakota