

# 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

A few showers last week were present in parts of South Dakota, but hot and humid weather seemed to be the theme for the week. As the week ended, a small cold front moved in decreasing humidity and relieving stress on crops and livestock. Harvest of small grains is moving forward quickly, as most small grains are at least 70 percent harvested. There were 5.3 days suitable for fieldwork last week, with major farm activities including continuing harvest of small grains, general care of livestock, and checking on progress of row crops.

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

## WEATHER INFORMATION

Temperatures were warmer than average for the week again continuing to push crop development ahead of average especially in the east, according to the State Climate Office of South Dakota. State-wide temperatures averaged in the 70s. These temperatures were near average in some of the west, but as much as 5-7° F above average in the east. The daily high temperature was 102° F at Philip; the low temperature was 45° F at Porcupine. Drier air overspread the state over the weekend leading to more comfortable conditions statewide.

Several 1 inch or more rainfalls occurred mostly over the east again. Nine stations were over this total. Sioux Falls reported the highest total in the week at 2.13 inches. Many stations from southwest to northeast had less than 0.25 inches. Oelrichs reported the lowest with no precipitation for the week.

Dry conditions have persisted enough to introduce an area in north central South Dakota, of D0 (Abnormally Dry) conditions on the US Drought Monitor last week. This area has been persistently dry throughout the whole season leading to some crop yield problems according to several reports.

## SOIL CONDITION

Topsoil moisture was rated 82 percent adequate to surplus for last week, 24 percentage points above the five-year average. Subsoil moisture was 85 percent adequate to surplus, 15 percentage points above the previous year and 32 percentage points above the five-year average.

## FIELD CROPS REPORT

Development of row crops made significant progress last week with good weather conditions. Fifty-three percent of corn is at or beyond dough stage, 39 percentage points above the previous year and 14 percentage points above the five-year average. Ten percent at dent stage, slightly ahead of the 5 year-average of 9 percent. Reports of sudden death syndrome, white mold and aphids are present in soybeans. Eighty-two percent of soybeans are setting pods, 2 points above the five-year average at 80 percent. Spring wheat harvest made good progress last week with 81 percent now harvested, slightly above the five-year average of 80 percent.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Pastures in some areas are in need of precipitation while others have experienced an abundance of moisture. Pastures are rated 79 percent in good to excellent condition, 30 percentage points above the five-year average. Cattle are rated 87 percent in good to excellent condition, while sheep are rated 86 percent in good to excellent condition. Feed supplies remain in good shape and are rated at 97 percent adequate to surplus, up 15 points from the five-year average.

## Feed and Water Supplies Comparison as of August 15, 2010

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	0	0	5	0	0	13
Short	3	2	13	4	4	17
Adequate	78	87	74	78	87	64
Surplus	19	11	8	18	9	6

## Soil Moisture Condition Comparison as of August 15, 2010

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	3	1	0	1	1	2
Short	15	15	20	14	13	28
Adequate	69	69	75	68	67	66
Surplus	13	15	5	17	19	4

## Crop and Livestock Conditions as of August 15, 2010

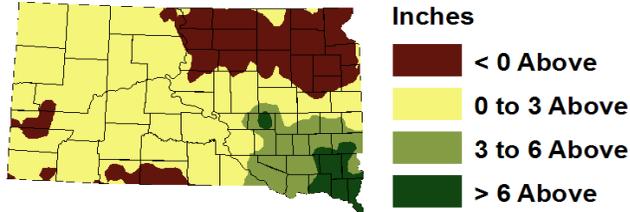
Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Spring Wheat	1	5	17	53	24
Barley	0	4	19	58	19
Corn	2	7	19	53	19
Soybeans	2	9	23	53	13
Sorghum	0	1	9	69	21
Sunflower	0	2	22	60	16
Alfalfa	1	4	23	61	11
Cattle	0	1	12	70	17
Sheep	0	0	14	59	27
Range & Pasture	1	4	16	61	18

## Crop Progress as of August 15, 2010 <sup>1</sup>

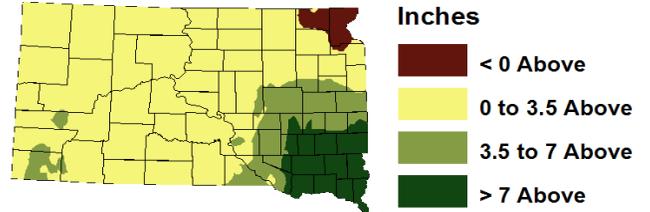
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
<b>Barley</b>				
Ripe	91	80	75	93
Harvested	72	44	41	71
<b>Oats</b>				
Ripe	97	92	89	96
Harvested	88	66	64	85
<b>Spring Wheat</b>				
Ripe	98	93	92	97
Harvested	81	54	63	80
<b>Corn</b>				
Silked	97	85	80	92
Dough	53	32	14	39
Dent	10	2	0	9
<b>Soybeans</b>				
Blooming	100	91	96	98
Setting Pods	82	63	78	80
Dropping Leaves	1	0	2	2
<b>Sorghum</b>				
Headed	89	70	56	81
Coloring	19	8	18	22
<b>Sunflower</b>				
Blooming	71	33	59	70
<b>Alfalfa</b>				
2nd Cutting	89	83	85	90
3rd Cutting	25	16	18	27
<b>Other Hay</b>				
Cut	93	92	91	94

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

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
From July 17 to August 15, 2010



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
From April 1 to August 15, 2010



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, August 15, 2010

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	77	4	95	56	0.86	19.42	13.49	3.59	2.66	1,827	-49
Buffalo	73	2	97	54	0.49	13.96	10.82	0.46	1.08	1,635	-69
Dupree	75	2	95	55	0.32	23.08	18.41	7.21	7.00	1,910	-28
McIntosh	73	1	94	56	0.89	16.05	9.89	1.65	-0.59	1,900	-2
Newell	74	1	98	55	0.10	15.07	11.10	0.75	0.87	1,690	-189
Timber Lake	75	2	96	54	0.56	17.61	11.93	1.16	0.44	1,913	12
<b>North Central</b>											
Aberdeen	77	5	93	59	0.21	25.71	17.24	8.16	4.75	2,073	145
Faulkton	76	4	93	57	0.25	21.12	10.86	3.96	-0.84	1,994	57
Mobridge	77	4	97	60	0.48	17.03	10.11	0.88	1.98	1,966	-1
Roscoe	75	5	92	54	0.72	21.36	11.85	3.88	-0.68	1,953	167
<b>Northeast</b>											
Britton	76	4	93	57	0.93	20.13	10.24	2.37	-2.56	2,030	126
Clear Lake	76	6	91	55	0.77	30.56	15.12	9.82	1.36	1,988	222
Sisseton	73	2	91	59	0.11	26.27	12.06	7.39	-1.23	2,075	177
Watertown	76	7	94	59	1.49	24.13	13.55	5.62	0.61	1,962	250
Webster	75	4	92	56	0.27	23.63	13.00	4.90	-0.29	2,039	226
<b>West Central</b>											
Faith	74	0	95	56	0.23	16.58	12.49	0.58	1.20	1,901	-111
Milesville	75	0	97	55	0.10	24.08	15.31	6.64	3.18	2,004	-47
Philip	77	2	102	56	0.03	17.99	11.98	2.79	1.00	2,019	-12
Rapid City	74	2	99	54	0.05	19.86	16.40	5.03	5.82	1,715	-70
Spearfish	72	0	91	52	0.09	20.07	12.55	0.68	-0.38	1,820	20
<b>Central</b>											
Chamberlain	77	3	93	62	0.17	25.90	17.70	6.49	4.04	2,198	185
Highmore	75	2	92	57	0.08	19.69	11.46	2.75	-0.59	1,917	-28
Huron	78	5	94	61	0.14	29.56	20.46	11.42	7.92	2,228	193
Onida	77	4	94	61	0.56	21.49	13.66	4.09	1.84	2,010	68
Pierre	78	2	97	61	0.27	23.32	14.63	5.81	2.19	2,073	-42
<b>East Central</b>											
Brookings	76	6	92	56	1.57	31.73	21.98	12.93	8.25	2,017	232
Forestburg	77	3	92	56	0.18	31.62	21.48	12.42	8.28	2,300	135
Madison	77	7	93	63	1.65	28.97	19.65	8.02	5.29	2,022	230
Mitchell	78	5	94	58	1.34	34.14	24.04	14.48	10.45	2,376	282
Sioux Falls	77	5	92	63	2.13	36.47	25.19	15.91	11.27	2,177	158
<b>Southwest</b>											
Custer	67	1	88	49	0.04	16.09	12.54	-1.62	-0.42	1,199	-141
Hot Springs	72	1	95	49	0.01	25.34	19.55	10.16	8.24	1,826	-86
Oelrichs	74	0	99	51	0.00	20.73	14.59	5.58	3.70	1,850	-102
Porcupine	75	2	99	45	0.21	21.69	11.93	6.23	0.75	1,815	-106
<b>South Central</b>											
Kennebec	77	1	98	53	0.50	25.38	17.77	9.13	5.84	2,249	21
Mission	75	2	98	52	0.22	20.58	13.22	2.97	0.31	2,029	90
Murdo	78	4	99	56	0.26	22.80	14.24	5.00	1.99	2,135	109
Winner	79	3	98	59	1.42	20.66	13.44	-1.24	-2.06	2,152	-93
<b>Southeast</b>											
Academy	76	4	97	54	0.33	21.75	14.57	2.04	0.72	2,125	125
Centerville	77	4	93	59	1.15	24.46	15.09	3.28	7.59	2,167	51
Pickstown	77	2	95	60	0.89	22.56	14.32	2.61	0.22	2,035	-117
Vermillion	78	3	92	56	1.40	34.34	24.36	12.80	9.44	2,495	139
Yankton	78	5	97	59	1.67	37.33	24.85	15.83	9.69	2,317	157

DATA AND MAP SOURCE: State Climate Office of South Dakota