

# South Dakota Weekly Crop Weather Report

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For Week Ending October 17, 2010  
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AGRICULTURAL EXTENSION SERVICE and  
U.S. DEPARTMENT OF AGRICULTURE  
FARM SERVICE AGENCY

## AGRICULTURAL SUMMARY

Dry weather continues to be the story for the state, as there were 6.7 days suitable for fieldwork in the past week. Row crop producers have been able to stay ahead of average on harvest with the dry conditions. Some reports stated that the winter wheat could use some moisture. Major farm activities included harvesting row crops, seeding winter wheat, moving livestock onto row-crop stubble, and fall tillage.

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

## WEATHER INFORMATION

Warm and dry conditions persisted statewide, according to the State Climate Office of South Dakota. Significant precipitation occurred only in the southwestern part of the state during a storm late in the week. Very little rain fell anywhere in the state and temperatures were consistently warmer than average allowing for excellent harvesting conditions. This was the third consecutive week of warm and dry conditions over most of the state.

Most of the state received no precipitation again this week. Only 18 of the stations listed here recorded measureable amounts of precipitation. Spearfish received the most at a modest 0.28 inch, slightly more than half of average for the week; twenty-five stations reported no precipitation. The dry conditions over the east continued a trend for the month where more than ten stations have not recorded precipitation so far this month. Most other places are below average in precipitation for that same period.

Temperature averages were in the 50's F, which were 2 – 7 F° above average for the week. Mission and Winner reported the high for the week at 86° F; Custer had the lowest at 24° F. The first teens were recorded this week as Hill City (not listed here) fell to 19° F. Most locations across the state have fallen to or below freezing for the fall now.

## SOIL CONDITION

Soil temperatures were mostly in the 50s F, ranging from 50° F at South Shore to 60° F at Oacoma. Topsoil moisture rated at 71 percent adequate to surplus for last week, below last year's rating of 88 percent. Subsoil moisture was rated at 79 percent adequate to surplus, above last year's rating of 74 percent and the five-year average of 65 percent.

## FIELD CROPS REPORT

All row crops made considerable harvest progress last week. Thirty-four percent of the corn is harvested for grain, compared to 5 percent last year and 23 percent for the five-year average. Eighty-five percent of the soybeans have been harvested, compared to 29 percent last year and 66 percent for the five-year average. Producers have planted 95 percent of the winter wheat, which is ahead of the five-year average of 94 percent. Seventy-seven percent of the winter wheat has emerged, ahead of the five-year average of 73 percent. Eighty-five percent of the sorghum harvested for grain is complete, ahead of the five-year average of 45 percent. Sunflowers are 31 percent harvested, which is ahead of the five-year average of 21 percent.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Pasture are rated 62 percent in good to excellent condition, compared to the five-year average of 50 percent. Cattle are rated 90 percent in good to excellent condition. Sheep are rated 89 percent in good to excellent condition. Feed supplies remain in good shape and are rated at 97 percent adequate to surplus, up from the five-year average of 86 percent.

## Feed and Water Supplies Comparison as of October 17, 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	4	0	2	12
Short	3	3	10	4	7	17
Adequate	81	83	77	79	82	64
Surplus	16	14	9	17	9	7

## Soil Moisture Condition Comparison as of October 17, 2010

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	6	4	2	6	6	4
Short	23	15	10	15	13	22
Adequate	65	70	77	66	65	68
Surplus	6	11	11	13	16	6

## Crop and Livestock Conditions as of October 17, 2010

Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	0	1	35	54	10
Corn	2	9	19	50	20
Sunflower	1	5	41	43	10
Alfalfa	4	3	20	65	8
Cattle	0	1	9	71	19
Sheep	0	1	10	59	30
Range & Pasture	2	11	25	55	7

## Crop Progress as of October 17, 2010 <sup>1</sup>

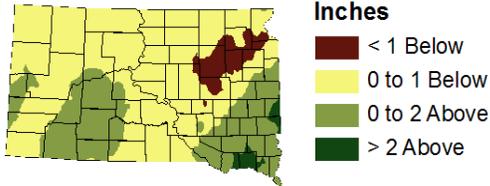
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
<b>Winter Wheat</b>				
Seeded	95	86	89	94
Emerged	77	61	69	73
<b>Corn</b>				
Grain Harvested	34	18	5	23
<b>Soybeans</b>				
Harvested	85	66	29	66
<b>Sorghum</b>				
Grain Harvested	85	53	23	45
<b>Sunflower</b>				
Mature	95	83	84	83
Harvested	31	14	3	21

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

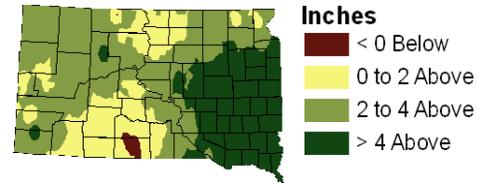
## Average Soil Temperatures Week Ending October 17, 2010 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	51	Nisland	51
Beresford	54	Oacoma	60
Bowdle	51	Parkston	55
Brookings	51	Pierre	56
Caputa	52	Redfield	52
Cottonwood	53	South Shore	50

**PAST 30 DAYS**  
**Accumulated Precip Deviation from Average**  
**From September 18 to October 17, 2010**



**GROWING SEASON**  
**Accumulated Precip Deviation from Average**  
**From April 1 to October 17, 2010**



**TEMPERATURE and PRECIPITATION**  
**Week Ending Sunday, October 17, 2010**

District and Station	Temperatures Past Week				Precipitation				
	Average	Departure from Normal	High	Low	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	55	6	79	30	0.10	0.28	17.21	-0.63	3.58
Buffalo	55	7	79	30	0.00	0.06	13.75	-0.71	1.47
Dupree	53	4	75	32	0.00	0.05	22.06	-0.87	7.81
McIntosh	54	5	78	34	0.02	0.02	15.61	-0.83	-1.17
Newell	54	5	80	28	0.00	0.57	13.80	-0.23	1.03
Timber Lake	55	6	79	34	0.20	0.39	15.63	-0.56	1.04
<b>North Central</b>									
Aberdeen	54	5	80	29	0.00	0.00	21.46	-0.99	4.95
Faulkton	54	5	80	29	0.05	0.05	17.76	-0.94	2.03
Mobridge	56	6	79	33	0.11	0.27	12.23	-0.62	0.84
Roscoe	54	7	78	36	0.02	0.02	16.93	-0.84	0.76
<b>Northeast</b>									
Britton	54	4	79	32	0.00	0.00	16.41	-0.98	-0.58
Clear Lake	53	6	77	32	0.00	0.00	24.41	-1.12	5.50
Sisseton	54	4	78	31	0.10	0.10	18.21	-0.92	0.69
Watertown	53	6	77	32	0.04	0.04	21.68	-1.10	4.11
Webster	53	5	77	37	0.04	0.04	19.27	-0.97	1.64
<b>West Central</b>									
Faith	55	4	76	35	0.10	0.27	16.22	-0.64	2.17
Milesville	54	4	77	33	0.03	0.15	19.13	-0.85	3.80
Philip	55	5	80	32	0.00	0.89	13.78	0.12	0.07
Rapid City	54	5	82	32	0.02	0.16	18.17	-0.62	4.94
Spearfish	56	7	77	32	0.28	1.80	16.94	0.63	0.57
<b>Central</b>									
Chamberlain	57	6	80	36	0.00	0.04	19.19	-0.99	1.39
Highmore	53	3	77	32	0.00	0.20	21.04	-0.82	5.32
Huron	55	5	80	34	0.00	0.00	25.19	-0.95	8.90
Onida	53	4	79	34	0.00	0.16	17.98	-0.75	2.67
Pierre	55	3	81	34	0.00	0.15	17.89	-0.85	1.82
<b>East Central</b>									
Brookings	53	6	77	30	0.00	0.00	34.12	-1.08	15.30
Forestburg	55	3	78	31	0.00	0.00	26.64	-1.02	9.43
Madison	54	6	78	31	0.00	0.00	31.94	-1.13	12.25
Mitchell	56	6	79	32	0.00	0.00	26.71	-0.93	8.65
Sioux Falls	54	4	80	32	0.00	0.02	32.04	-1.10	12.82
<b>Southwest</b>									
Custer	48	2	75	24	0.14	0.84	15.74	-0.01	-0.71
Hot Springs	55	5	81	26	0.05	0.07	22.67	-0.68	8.46
Oelrichs	52	2	81	27	0.03	0.21	16.08	-0.55	2.31
Porcupine	52	3	82	26	0.03	2.03	15.69	1.18	1.60
<b>South Central</b>									
Kennebec	56	3	84	28	0.00	0.09	20.85	-0.76	5.71
Mission	54	5	86	32	0.00	0.58	14.94	-0.35	-1.36
Murdo	57	5	82	38	0.00	0.17	16.53	-0.78	1.36
Winner	58	4	86	39	0.01	0.10	20.52	-0.99	2.08
<b>Southeast</b>									
Academy	54	4	79	33	0.00	0.01	21.46	-1.08	-0.08
Centerville	54	3	79	32	0.00	0.01	29.93	-1.03	9.42
Pickstown	55	3	80	32	0.00	0.00	19.24	-1.06	0.61
Vermillion	56	2	79	31	0.00	0.00	29.82	-1.06	10.09
Yankton	55	3	80	30	0.00	0.00	32.25	-1.04	12.45

DATA AND MAPS SOURCE: State Climate Office of South Dakota