

# South Dakota Weekly Crop Weather Report

Released: September 27, 2010 -- 3:00 p.m. CST  
For Week Ending September 26, 2010  
SD-CW5940Volume 59 Issue 40



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

## AGRICULTURAL SUMMARY

Precipitation throughout the eastern part of the state has slowed the harvest of row crops. There were 3.6 days suitable for fieldwork in the past week. Major farm activities included moving cattle and calves closer to home, seeding winter wheat, cutting silage, and harvesting row crops where dry enough.

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

## WEATHER INFORMATION

Very heavy rain dominated the conversation of the week as a mid-week storm dropped extremely heavy rainfalls, particularly for the fall, on top of already wet soils in the east central to southeast parts of the state, according to the State Climate Office of South Dakota. Greater than 2 inches of precipitation covered much of this area. Five stations reported greater than 3 inches for the week. For reference, some of these totals are higher than the average precipitation for September and October combined. All the state did receive precipitation, but totals were much lighter in the west. Madison reported the highest weekly total at 5.01 inches. Mission reported the least at 0.22 inches. While the heavy rain produced flooding in the east, the rain was welcomed in dry areas of the north central and southwest parts of the state.

Temperatures were quite variable statewide with some quite colder than average (5 – 6° F below average in the north central) to very warm (5 – 6° F above average in the Black Hills). The warmest daily temperatures occurred early in the week as temperatures in the 80's and 90's F covered much of the state. Winner reported the highest daily temperature at 99° F. Freezing conditions were kept away for another week as the lowest temperature reported was 33° F at Bison and Custer.

## SOIL CONDITION

Soil temperatures were in the upper 50's to low 60s F statewide. Oacoma had the highest temperature at 66° F. Bowdle had the lowest at 55° F. Topsoil moisture rated at 84 percent adequate to surplus for last week, above the five-year average of 65 percent. Subsoil moisture was 80 percent adequate to surplus, above last year's rating of 57 percent and the five-year average of 55 percent.

## FIELD CROPS REPORT

Ninety-eight percent of corn is at or beyond the dent stage, above the 5 year-average of 97 percent. Corn is estimated at 67 percent mature, compared to 31 percent last year and 57 percent for the five-year average. Two percent of the corn is harvested for grain, compared to 5 percent for the five-year average. Harvesting of corn silage is 83 percent complete compared to 50 percent last year. Soybeans dropping leaves are 84 percent, equal to last year but behind the five-year average of 89 percent. Forty-eight percent of the soybean crop is rated mature, with the five-year average at 45 percent. Three percent of the soybeans have been harvested, compared to the five-year average of 7 percent. Producers have planted 61 percent of the winter wheat, which is behind the five-year average of 64 percent. Twenty-seven percent of the winter wheat has emerged, ahead of the five-year average of 22 percent.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Pastures are rated 69 percent in good to excellent condition, compared to the five-year average of 49 percent. Cattle and sheep are both rated 90 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 85 percent.

## Feed and Water Supplies Comparison as of September 26, 2010

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	1	12
Short	3	4	11	6	11	19
Adequate	80	84	77	74	81	64
Surplus	17	12	8	20	6	5

## Soil Moisture Condition Comparison as of September 26, 2010

Rating	Topsoil			Subsoil		
	This Week	Last Year	Last Year	This Week	Last Year	Last Year
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Very Short	3	6	7	9	6	4
Short	13	15	36	11	16	39
Adequate	58	66	55	53	61	56
Surplus	26	13	2	27	17	1

## Crop and Livestock Conditions as of September 26, 2010

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	2	8	17	56	17
Soybeans	2	10	22	51	15
Sorghum	1	4	21	66	8
Sunflower	1	8	34	52	5
Alfalfa	3	5	21	63	8
Cattle	0	0	10	73	17
Sheep	1	1	8	61	29
Range & Pasture	1	9	21	59	10

## Crop Progress as of September 26, 2010 <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	61	37	64	64
Emerged	27	10	21	22
<b>Corn</b>				
Dent	98	92	87	97
Mature	67	43	31	57
Grain Harvested	2	1	0	5
Silage Harvested	83	80	50	77
<b>Soybeans</b>				
Dropping Leaves	84	72	84	89
Mature	48	17	24	45
Harvested	3	1	2	7
<b>Sorghum</b>				
Mature	66	43	34	50
Grain Harvested	2	2	6	8
Silage Harvested	91	71	44	75
<b>Sunflower</b>				
Ray Flowers Dry	96	91	94	97
Bracts Yellow	81	72	73	83
Mature	29	10	12	23
Harvested	0	0	0	1
<b>Alfalfa</b>				
3rd Cutting	86	82	80	84

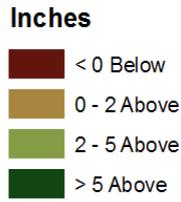
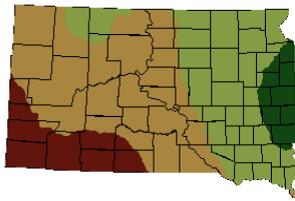
<sup>1</sup> Percents represent all acreage in or beyond each stage.

## Average Soil Temperatures Week Ending September 26, 2010 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	62	Nisland	58
Beresford	62	Oacoma	66
Bowdle	55	Parkston	61
Brookings	58	Pierre	60
Caputa	57	Redfield	59
Cottonwood	62	South Shore	56

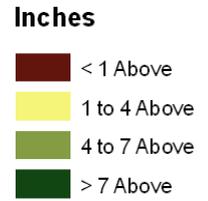
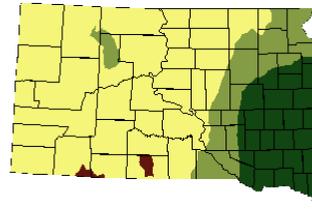
PAST 30 DAYS

Accumulated Precip Deviation from Average  
From August 28 to September 26, 2010



GROWING SEASON

Accumulated Precip Deviation from Average  
From April 1 to September 26, 2010



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, September 26, 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		
	<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	53	-5	67	33	1.07	22.86	16.93	5.31	4.38	2,445	-100
Buffalo	54	-2	76	36	0.51	16.83	13.69	1.72	2.34	2,200	-120
Dupree	56	-2	74	35	0.40	26.68	22.01	9.06	8.85	2,559	-7
McIntosh	51	-6	72	42	0.42	18.38	12.22	2.10	-0.14	2,507	-42
Newell	55	-3	77	36	0.55	17.20	13.23	1.30	1.42	2,310	-247
Timber Lake	55	-2	78	42	0.32	20.92	15.24	2.52	1.80	2,544	-1
<b>North Central</b>											
Aberdeen	56	-1	78	42	0.41	29.93	21.46	9.59	6.18	2,670	118
Faulkton	54	-5	82	38	0.30	27.94	17.71	7.97	3.17	2,590	-10
Mobridge	55	-4	76	43	0.24	18.88	11.96	0.56	1.66	2,572	-63
Roscoe	54	-2	77	41	1.47	26.42	16.91	6.36	1.80	2,492	115
<b>Northeast</b>											
Britton	56	-1	76	44	1.07	26.30	16.41	5.60	0.67	2,595	56
Clear Lake	55	-1	83	42	2.21	39.85	24.41	15.36	6.90	2,533	199
Sisseton	57	0	81	44	1.47	32.32	18.11	10.47	1.85	2,658	147
Watertown	57	1	82	44	1.01	32.22	21.64	10.46	5.45	2,538	279
Webster	56	0	79	44	1.19	29.86	19.23	8.04	2.85	2,600	220
<b>West Central</b>											
Faith	54	-6	72	38	0.56	20.04	15.95	2.39	3.01	2,541	-181
Milesville	58	-1	82	46	0.40	27.75	18.98	8.31	4.85	2,696	-75
Philip	59	0	92	39	0.53	18.90	12.89	1.90	0.11	2,725	-28
Rapid City	57	-1	86	37	0.52	21.47	18.01	4.93	5.72	2,361	-90
Spearfish	62	6	88	43	0.52	22.66	15.14	1.24	0.18	2,553	126
<b>Central</b>											
Chamberlain	60	0	95	42	0.66	27.35	19.15	5.07	2.62	2,900	161
Highmore	55	-3	85	44	0.50	29.08	20.84	9.72	6.38	2,526	-101
Huron	59	0	89	47	0.41	34.29	25.19	13.59	10.09	2,897	195
Onida	55	-2	82	40	0.92	25.65	17.82	5.87	3.62	2,648	24
Pierre	57	-3	85	41	0.63	34.33	25.64	6.53	2.91	2,764	-96
<b>East Central</b>											
Brookings	58	1	86	42	4.24	43.87	34.12	21.34	16.66	2,612	246
Forestburg	59	-1	84	43	1.25	36.78	26.64	14.83	10.69	2,970	79
Madison	58	1	86	40	5.01	41.26	31.94	16.41	13.68	2,624	240
Mitchell	61	2	93	45	0.99	36.81	26.71	13.88	9.85	3,073	286
Sioux Falls	60	1	87	45	2.39	43.30	32.02	18.88	14.24	2,839	169
<b>Southwest</b>											
Custer	54	0	81	33	0.52	18.45	14.90	-1.70	-0.50	1,732	-122
Hot Springs	62	5	92	39	0.69	28.39	22.60	11.24	9.32	2,548	-35
Oelrichs	57	1	95	40	0.77	22.01	15.87	4.92	3.04	2,548	-109
Porcupine	59	2	96	36	0.70	23.42	13.66	6.10	0.62	2,521	-91
<b>South Central</b>											
Kennebec	60	-2	91	38	0.75	28.37	20.76	9.96	6.67	2,990	-20
Mission	57	-1	96	38	0.22	21.72	14.36	1.89	-0.77	2,713	86
Murdo	59	-2	94	41	1.19	24.92	16.36	5.35	2.34	2,879	127
Winner	61	-2	99	42	0.80	27.64	20.42	2.20	3.35	2,904	-141
<b>Southeast</b>											
Academy	58	-1	97	42	2.12	25.36	18.18	2.60	1.28	2,807	126
Centerville	59	-1	91	47	4.09	31.02	21.65	6.43	10.74	2,825	24
Pickstown	59	0	95	43	1.45	27.48	19.24	4.34	1.95	2,725	-176
Vermillion	65	2	92	45	3.19	39.80	29.82	14.79	11.43	3,292	141
Yankton	62	1	92	43	4.99	44.73	32.25	19.89	13.75	3,044	167

DATA AND MAP SOURCE: State Climate Office of South Dakota