

# South Dakota Weekly Crop Weather Report

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For Week Ending September 19, 2010  
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SOUTH DAKOTA STATE UNIVERSITY  
AGRICULTURAL EXTENSION SERVICE and  
U.S. DEPARTMENT OF AGRICULTURE  
FARM SERVICE AGENCY

## AGRICULTURAL SUMMARY

There were 4.3 days suitable for fieldwork in the past week, which saw row crops continue to mature on pace and in some cases ahead of their five-year averages. Once again, winter wheat seeding welcomed rain, but others areas continue to have too much moisture. Farm activities focused on cutting silage, preparing and starting row crop harvest, and general care of livestock.

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

## WEATHER INFORMATION

Temperatures fell into the 30's F across most of the state during the week, but remained above freezing for most locations, generally keeping away the first frost of the season, according to the State Climate Office of South Dakota. Temperatures overall were much colder than average statewide ranging from 1-7° F below average. Oelrichs had the highest temperature at 92° F. Porcupine had the lowest temperature at 31° F.

All but one station received measureable precipitation. Most of the northern half of the state received above average precipitation. Widespread 1 inch amounts occurred with five stations in the central to northeast receiving over 2 inches. Watertown had the highest total at 2.83 inches. In contrast ten stations received less than 0.10 inch. Mission had the lowest total, reporting no precipitation for the week.

The heavier precipitation in the east added to the growing season precipitation wetness. Several stations in the east central to southeast are eight to nearly 13 inches above average since April 1. Only a few scattered stations are below average for the growing season.

Data note: replacement of missing data from Winner changed the seasonal totals from previous weeks.

## SOIL CONDITION

Soil temperatures were in the upper 50's to low 60's F statewide. Oacoma had the highest temperature at 65° F. Bowdle had the lowest at 55° F. Topsoil moisture rated at 79 percent adequate to surplus for last week, above the five-year average of 62 percent. Subsoil moisture was 78 percent adequate to surplus, above last year's rating of 58 percent and the five-year average of 53 percent.

## FIELD CROPS REPORT

Ninety-two percent of corn is at or beyond the dent stage, above the 5 year-average of 91 percent. Corn is estimated at 43 percent mature, compared to 10 percent last year and 34 percent for the five-year average. One percent of the corn is harvested for grain, compared to 2 percent for the five-year average. Harvesting of corn silage continues to progress and is 80 percent complete compared to 35 percent last year. Soybeans dropping leaves are 72 percent, equal to the five-year average and ahead of last year's 67 percent. Seventeen percent of the soybean crop is rated mature, with the five-year average at 20 percent. Producers have planted 37 percent of the winter wheat, which is behind the five-year average of 43 percent. Ten percent of the winter wheat has emerged, ahead of the five-year average of 8 percent.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Pastures are rated 63 percent in good to excellent condition, compared to the five-year average of 48 percent. Cattle are rated 90 percent in good to excellent condition, while sheep are rated 88 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 19, 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	2	12
Short	3	2	10	6	8	19
Adequate	74	85	76	74	82	64
Surplus	23	13	9	20	7	5

## Soil Moisture Condition Comparison as of September 19, 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	7	8	6	6	9
Short	15	20	30	16	20	34
Adequate	66	57	61	61	55	55
Surplus	13	16	2	17	19	3

## Crop and Livestock Conditions as of September 19, 2010

Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Corn	2	8	22	48	20
Soybeans	2	10	25	44	19
Sorghum	0	4	21	65	10
Sunflower	1	5	30	56	8
Alfalfa	3	8	21	59	9
Cattle	0	0	10	70	20
Sheep	0	1	11	59	29
Range & Pasture	2	10	25	50	13

## Crop Progress as of September 19, 2010 <sup>1</sup>

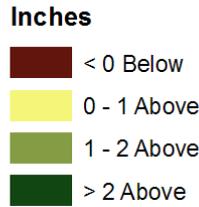
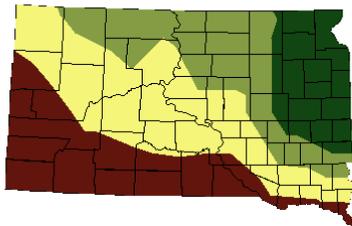
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
<b>Winter Wheat</b>				
Seeded	37	16	46	43
Emerging	10	2	11	8
<b>Corn</b>				
Dent	92	85	71	91
Mature	43	21	10	34
Grain Harvested	1	0	0	2
Silage Harvested	80	57	35	63
<b>Soybeans</b>				
Dropping Leaves	72	48	67	72
Mature	17	7	10	20
Harvested	1	0	0	1
<b>Sorghum</b>				
Coloring	98	94	84	91
Mature	43	22	20	32
Grain Harvested	2	1	1	3
Silage Harvested	71	44	28	62
<b>Sunflower</b>				
Ray Flowers Dry	91	83	88	92
Bracts Yellow	72	49	64	72
Mature	10	3	4	10
Harvested	0	0	0	1
<b>Alfalfa</b>				
3rd Cutting	82	75	75	80

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

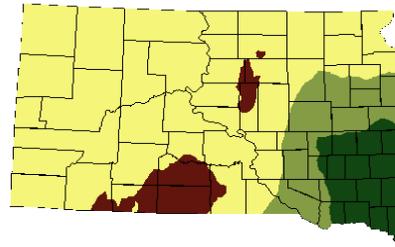
## Average Soil Temperatures Week Ending September 19, 2010 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	58	Nisland	58
Beresford	62	Oacoma	65
Bowdle	55	Parkston	62
Brookings	60	Pierre	61
Caputa	59	Redfield	59
Cottonwood	63	South Shore	57

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
From August 21 to September 19, 2010



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
From April 1 to September 12, 2010



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, September 19, 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	56	-5	81	33	0.37	21.79	15.86	4.52	3.59	2,397	-71
Buffalo	57	-2	84	35	1.54	16.32	13.18	1.44	2.06	2,144	-103
Dupree	56	-4	80	34	1.25	26.28	21.61	8.94	8.73	2,508	20
McIntosh	54	-6	80	34	0.65	17.96	11.80	1.97	-0.27	2,462	-13
Newell	56	-5	89	35	0.53	16.65	12.68	1.08	1.20	2,199	-277
Timber Lake	55	-6	81	34	0.86	20.60	14.92	2.48	1.76	2,495	22
<b>North Central</b>											
Aberdeen	55	-5	80	37	0.69	29.52	21.05	9.60	6.19	2,615	134
Faulkton	56	-5	81	39	1.19	24.33	14.07	4.68	-0.12	2,549	28
Mobridge	55	-6	79	38	0.19	18.64	11.72	0.62	1.72	2,520	-42
Roscoe	53	-5	78	35	1.36	24.95	15.44	5.24	0.68	2,456	148
<b>Northeast</b>											
Britton	55	-6	75	35	0.87	25.23	15.34	5.02	0.09	2,545	80
Clear Lake	54	-5	77	37	2.17	37.64	22.20	13.70	5.24	2,484	212
Sisseton	54	-6	73	38	0.84	30.85	16.64	9.42	0.80	2,604	162
Watertown	55	-3	78	37	2.83	31.21	20.63	9.87	4.86	2,478	281
Webster	54	-5	75	38	1.70	28.67	18.04	7.26	2.07	2,550	228
<b>West Central</b>											
Faith	55	-7	81	35	1.52	19.48	15.39	2.13	2.75	2,486	-154
Milesville	57	-6	85	37	1.97	27.35	18.58	8.23	4.77	2,636	-50
Philip	59	-3	91	39	0.13	18.37	12.36	1.65	-0.14	2,648	-18
Rapid City	59	-2	87	36	0.06	20.95	17.49	4.67	5.46	2,282	-89
Spearfish	60	1	86	35	1.40	22.14	14.62	1.07	0.01	2,475	119
<b>Central</b>											
Chamberlain	60	-3	86	39	0.26	26.69	18.49	4.83	2.38	2,829	176
Highmore	56	-5	82	38	2.10	22.18	13.95	3.22	-0.12	2,469	-76
Huron	58	-3	84	40	2.47	33.88	24.78	13.60	10.10	2,831	207
Onida	59	-3	82	40	2.32	24.73	16.90	5.30	3.05	2,588	47
Pierre	58	-6	84	40	1.36	33.70	25.01	6.25	2.63	2,699	-75
<b>East Central</b>											
Brookings	57	-2	79	38	0.86	39.63	29.88	17.65	12.97	2,553	257
Forestburg	59	-4	79	39	0.67	35.53	25.39	14.00	9.86	2,905	99
Madison	58	-1	81	39	1.95	36.25	26.93	11.96	9.23	2,559	245
Mitchell	59	-3	80	40	0.09	35.82	25.72	13.39	9.36	2,995	290
Sioux Falls	59	-2	83	40	0.96	40.91	29.63	17.05	12.41	2,765	172
<b>Southwest</b>											
Custer	53	-3	80	35	0.03	17.93	14.38	-1.90	-0.70	1,657	-130
Hot Springs	61	1	88	37	0.05	27.70	21.91	10.83	8.91	2,453	-43
Oelrichs	59	-2	92	37	0.06	21.24	15.10	4.43	2.55	2,466	-101
Porcupine	58	-3	91	31	0.05	22.72	12.96	5.75	0.27	2,444	-79
<b>South Central</b>											
Kennebec	60	-4	84	39	1.13	27.62	20.01	9.54	6.25	2,916	3
Mission	60	-1	85	38	0.00	21.50	14.14	2.07	-0.59	2,653	109
Murdo	60	-3	86	38	0.03	23.73	15.17	4.45	1.44	2,821	153
Winner	63	-2	88	40	0.12	26.84	19.62	1.89	3.04	2,827	-121
<b>Southeast</b>											
Academy	59	-2	86	39	0.09	23.24	16.06	1.00	-0.32	2,753	155
Centerville	61	-1	86	41	0.40	26.93	17.56	2.83	7.14	2,747	28
Pickstown	61	-2	89	41	0.25	26.03	17.79	3.38	0.99	2,665	-151
Vermillion	63	-2	85	43	0.48	36.61	26.63	12.16	8.80	3,198	144
Yankton	62	-1	86	42	0.22	39.74	27.26	15.39	9.25	2,968	176

DATA AND MAP SOURCE: State Climate Office of South Dakota