

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Another excellent week of dry weather aided progress of row crop harvest, as there were 6.7 days suitable for fieldwork in the past week. Major farm activities included harvesting row crops, seeding winter wheat, and moving livestock onto row-crop stubble.

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

WEATHER INFORMATION

The whole state experienced very warm and mostly dry conditions for the week providing generally excellent conditions for field work, 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. A little over half of the stations reporting here showed precipitation for the week. Porcupine (2.00 inches) and Spearfish (1.52 inches) reported the most significant amounts. Seventeen stations indicated no precipitation for the week. This continues the trend since late September of very dry conditions over most of the state. Many stations have not received rainfall in over two weeks.

Temperatures were much warmer than average statewide. Averages were in the upper 50's F to low 60's F. These temperatures were 5 – 12° F above average. Winner reported the high for the week at 94° F; Watertown had the lowest at 33° F. The growing season still officially continues over large parts of the state as temperatures have not fallen below freezing for these parts of the state.

SOIL CONDITION

Soil temperatures were in the mid 50's F to mid 60's F. Oacoma had the highest temperature at 67° F. South Shore had the lowest at 56° F. The slight warm-up compared to last week was likely due to warmer air temperatures and drying soils. Topsoil moisture rated at 81 percent adequate to surplus for last week, above last year's rating of 80 percent. Subsoil moisture was also 81 percent adequate to surplus, above last year's rating of 60 percent and the five-year average of 61 percent.

FIELD CROPS REPORT

Ninety-five percent of corn is rated mature, compared to 80 percent last year and 89 percent for the five-year average. Eighteen percent of the corn is harvested for grain, compared to 2 percent last year and 16 percent for the five-year average. Harvesting of corn silage is 95 percent complete compared to 84 percent last year. Ninety-six percent of the soybean crop is rated mature, with the five-year average at 93 percent. Sixty-six percent of the soybeans have been harvested, compared to the five-year average of 49 percent. Producers have planted 86 percent of the winter wheat, which is behind the five-year average of 89 percent. Sixty-one percent of the winter wheat has emerged, ahead of the five-year average of 58 percent. Fifty-three percent of the sorghum harvested for grain is complete, ahead of the five-year average of 32 percent. Sunflowers are 14 percent harvested, which is ahead of the five-year average of 10 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

A mild fall has kept pastures, cattle, sheep, and feed supplies in high quality. Pasture are rated 69 percent in good to excellent condition, compared to the five-year average of 47 percent. Cattle are rated 92 percent in good to excellent condition. Sheep are rated 91 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 10, 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	11
Short	3	4	10	5	8	18
Adequate	82	88	78	79	85	66
Surplus	15	8	8	16	6	5

Soil Moisture Condition Comparison as of October 10, 2010

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	4	5	2	6	5	3
Short	15	12	18	13	14	36
Adequate	70	64	75	65	59	58
Surplus	11	19	5	16	22	3

Crop and Livestock Conditions as of October 10, 2010

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	0	6	21	54	19
Soybeans	1	4	26	53	16
Sorghum	0	4	20	63	13
Sunflower	0	3	42	47	8
Alfalfa	2	5	13	70	10
Cattle	0	0	8	72	20
Sheep	1	1	7	62	29
Range & Pasture	1	9	21	54	15

Crop Progress as of October 10, 2010 ¹

Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Seeded	86	76	86	89
Emerged	61	44	54	58
Corn				
Mature	95	84	80	89
Grain Harvested	18	7	2	16
Silage Harvested	95	91	84	95
Soybeans				
Mature	96	88	88	93
Harvested	66	25	24	49
Sorghum				
Mature	97	86	82	87
Grain Harvested	53	11	19	32
Sunflower				
Mature	83	49	68	66
Harvested	14	1	2	10

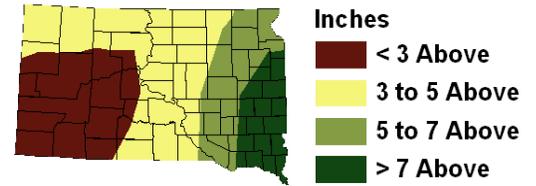
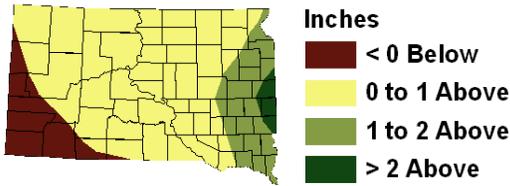
¹ Percents represent all acreage in or beyond each stage.

Average Soil Temperatures Week Ending October 10, 2010 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	57	Nisland	57
Beresford	57	Oacoma	67
Bowdle	57	Parkston	60
Brookings	57	Pierre	61
Caputa	58	Redfield	58
Cottonwood	62	South Shore	56

PAST 30 DAYS
 Accumulated Precip Deviation from Average
 From September 11 to October 10, 2010

GROWING SEASON
 Accumulated Precip Deviation from Average
 From April 1 to October 10, 2010



TEMPERATURE and PRECIPITATION
 Week Ending Sunday, October 10, 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>	
Northwest									
Bison	64	12	86	38	0.18	0.18	17.11	-0.38	3.83
Buffalo	61	10	84	40	0.06	0.06	13.75	-0.36	1.82
Dupree	63	11	87	42	0.05	0.05	22.06	-0.46	8.22
McIntosh	62	11	86	41	0.00	0.00	15.59	-0.50	-0.84
Newell	61	9	86	40	0.57	0.57	13.80	0.12	1.38
Timber Lake	63	11	86	42	0.19	0.19	15.43	-0.34	1.26
North Central									
Aberdeen	59	7	85	36	0.00	0.00	21.46	-0.60	5.34
Faulton	59	7	84	34	0.00	0.00	17.71	-0.57	2.40
Mobridge	63	10	87	42	0.16	0.16	12.12	-0.34	1.12
Roscoe	59	9	81	35	0.00	0.00	16.91	-0.51	1.09
Northeast									
Britton	64	12	85	41	0.00	0.00	16.41	-0.60	-0.20
Clear Lake	59	8	85	40	0.00	0.00	24.41	-0.63	5.99
Sisseton	63	11	87	40	0.00	0.00	18.11	-0.60	1.01
Watertown	56	6	84	33	0.00	0.00	21.64	-0.68	4.53
Webster	62	11	85	44	0.00	0.00	19.23	-0.60	2.01
West Central									
Faith	63	9	89	43	0.17	0.17	16.12	-0.35	2.46
Milesville	64	10	88	44	0.12	0.12	19.10	-0.46	4.19
Philip	64	11	93	43	0.89	0.89	13.78	0.47	0.42
Rapid City	63	10	90	42	0.14	0.14	18.15	-0.29	5.27
Spearfish	65	12	85	51	1.52	1.52	16.66	0.84	0.78
Central									
Chamberlain	64	10	89	41	0.04	0.04	19.19	-0.57	1.81
Highmore	62	9	87	43	0.20	0.20	21.04	-0.40	5.74
Huron	60	7	85	39	0.00	0.00	25.19	-0.60	9.25
Onida	64	11	87	45	0.16	0.16	17.98	-0.38	3.04
Pierre	63	8	89	41	0.15	0.15	17.89	-0.44	2.23
East Central									
Brookings	56	5	85	35	0.00	0.00	34.12	-0.66	15.72
Forestburg	63	9	86	39	0.00	0.00	26.64	-0.60	9.85
Madison	59	7	84	36	0.00	0.00	31.94	-0.70	12.68
Mitchell	62	8	86	42	0.00	0.00	26.71	-0.58	9.00
Sioux Falls	58	5	84	36	0.02	0.02	32.04	-0.68	13.24
Southwest									
Custer	56	7	79	34	0.70	0.70	15.60	0.20	-0.50
Hot Springs	62	10	85	37	0.02	0.02	22.62	-0.45	8.69
Oelrichs	64	11	88	44	0.18	0.18	16.05	-0.29	2.57
Porcupine	63	12	90	44	2.00	2.00	15.66	1.50	1.92
South Central									
Kennebec	67	11	92	39	0.09	0.09	20.85	-0.41	6.06
Mission	63	10	90	42	0.58	0.58	14.94	0.00	-1.01
Murdo	64	10	92	43	0.17	0.17	16.53	-0.36	1.78
Winner	65	7	94	42	0.09	0.09	20.51	-0.61	2.46
Southeast									
Academy	63	10	90	41	0.01	0.01	21.46	-0.66	0.34
Centerville	58	6	91	35	0.01	0.01	29.93	-0.61	9.84
Pickstown	62	6	87	35	0.00	0.00	19.24	-0.64	1.03
Vermillion	64	6	84	36	0.00	0.00	29.82	-0.63	10.52
Yankton	60	5	92	36	0.00	0.00	32.25	-0.62	12.87

DATA AND MAPS SOURCE: State Climate Office of South Dakota