

South Dakota Weekly Crop Weather Report

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U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

A drier week allowed harvest to accelerate. Statewide average of days suitable for fieldwork was 5.5 days. Major farm activities included moving livestock to row crop stubble and harvesting row crops.

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

WEATHER INFORMATION

After several weeks of rainfall throughout much of October, conditions improved significantly, according to the State Climate Office of South Dakota. The previous week produced very light rain in a few places over the eastern quarter of the state. Places that did receive rain received precipitation totals below a quarter inch. The lack of precipitation coupled with warmer than average temperatures helped to dry fields and allow harvesting and other field work to continue after a lapse from the rainfall of the prior week.

Several locations finally received their killing frost (less than 28° F) during the weekend. Most locations in the state had been at or below freezing some time during the fall, but still had allowed some plants to survive. This was not the latest date of killing frost on record at these locations but was in about the latest 10 percent for those that received their first killing frost over the weekend.

SOIL CONDITION

Statewide the topsoil and subsoil moisture ratings in the surplus category returned to typical levels for the year. Topsoil moisture was rated at 87 percent adequate to surplus, while subsoil moisture was rated 79 percent adequate to surplus. The good moisture should benefit the soil as it recharges for the next growing season, however, some producers are still waiting for the topsoil to dry enough for harvest. The western third of the state remains in drought conditions. Average soil temperatures decreased slightly from last week with most temperatures below 50° F.

FIELD CROPS REPORT

Most areas with row crops were able to get back to harvesting, as very little rain fell and conditions favored the dry-down of the crops. Harvest of soybeans leads the way, rated at 84 percent complete, still behind the five-year average of 94 percent. Corn harvest hit the 50 percent mark placing it only 5 percentage points behind the five-year average. Sorghum harvest is actually on pace with last year's harvest at 80 percent complete. Sunflower maturity is virtually complete at 97 percent. Sunflower harvest advanced to 42 percent, but remains well behind the normal of 63 percent. Ninety-three percent of winter wheat has emerged, the same as last year, but ahead of the five-year average of 86 percent. There have been some reports of soybean pods splitting and losing some yield, due to the wet conditions and delayed harvest.

LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle, sheep, and range and pasture conditions remain steady and strong. Eighty-seven percent of cattle are rated good to excellent. Also, sheep were rated at 90 percent good to excellent. Range and pasture condition is rated at 51 percent good to excellent, much better than the five-year average, at 27 percent. The western third of the state continues to express concern about short stock water supplies.

Feed and Water Supplies Comparison as of October 28, 2007

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	1	13	13	11	23	25
Short	8	25	21	14	27	25
Adequate	83	59	62	68	49	48
Surplus	8	3	4	7	1	2

Soil Moisture Condition Comparison as of October 28, 2007

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	2	11	10	12	22
Short	9	9	22	11	12	28
Adequate	78	59	65	72	58	48
Surplus	9	30	2	7	18	2

Crop and Livestock Conditions as of October 28, 2007

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	1	5	27	56	11
Corn	2	6	23	51	18
Sunflower	3	6	37	46	8
Cattle	0	1	12	69	18
Sheep	0	1	9	75	15
Range & Pasture	3	11	35	43	8

Crop Progress as of October 28, 2007 ¹

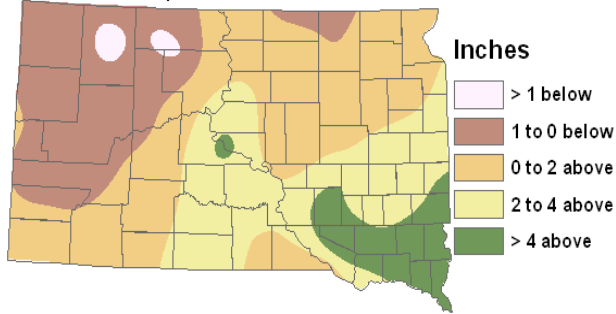
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Emerged	93	84	93	86
Corn				
Grain Harvested	50	39	56	55
Soybeans				
Harvested	84	69	96	94
Sorghum				
Grain Harvested	80	72	80	79
Sunflower				
Mature	97	94	98	97
Harvested	42	29	53	63

¹ Percents represent all acreage in or beyond each stage.

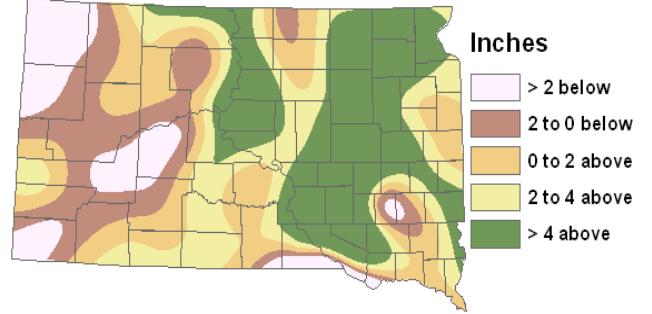
Average Soil Temperatures Week Ending October 28, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	46	Nisland	49
Brookings	45	Oacoma	53
Caputa	47	Pierre	52
Cottonwood	48	Redfield	49
Gettysburg	NA	South Shore	44

Accumulated Precip Departure from Normal
for Sep 29 to Oct 28, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Oct 28, 2007



TEMPERATURE and PRECIPITATION
Week Ending Sunday, October 28, 2007

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	48	4	77	25	0.00	0.38	13.49	-0.97	-0.45
Buffalo	50	9	78	26	0.00	0.86	9.99	-0.50	-4.11
Dupree	48	5	72	26	0.00	1.13	15.72	-0.32	0.89
McIntosh	45	2	71	22	0.00	0.71	18.02	-0.60	4.19
Newell	47	4	73	27	0.00	0.87	11.00	-0.42	-1.68
Timber Lake	48	5	71	25	0.00	0.74	13.77	-0.77	-1.38
North Central									
Aberdeen	45	2	69	19	0.00	1.47	24.10	-0.04	7.43
Faulkton	46	3	72	20	0.00	2.27	18.32	0.74	1.94
Mobridge	46	3	68	26	0.00	2.61	18.16	1.19	4.05
Roscoe	44	3	70	25	0.00	1.74	17.01	0.33	0.29
Northeast									
Britton	47	4	69	26	0.00	1.91	23.15	0.43	5.95
Clear Lake	45	4	66	27	0.12	3.71	21.71	1.86	1.20
Sisseton	46	3	67	24	0.00	2.72	23.16	1.05	5.72
Watertown	45	4	65	26	0.00	2.46	20.33	0.69	2.19
Webster	45	4	64	29	0.00	2.44	26.28	0.88	8.10
West Central									
Faith	50	6	75	27	0.00	0.80	16.00	-0.64	1.62
Milesville	49	3	76	25	0.00	1.75	13.63	0.16	-2.64
Philip	51	7	81	26	0.00	1.82	11.87	0.61	-2.22
Rapid City	49	5	82	23	0.00	0.61	12.79	-0.65	-0.86
Spearfish	50	7	75	20	0.00	2.00	15.83	0.09	-1.28
Central									
Chamberlain	48	3	72	27	0.00	4.02	25.85	2.40	7.63
Highmore	46	3	70	27	0.00	2.10	21.28	0.46	3.65
Huron	47	3	70	25	0.00	3.12	26.40	1.65	9.63
Onida	48	5	76	25	0.00	4.53	23.79	3.07	8.07
Pierre	49	4	77	27	0.00	5.71	21.13	4.19	4.80
East Central									
Brookings	45	3	66	27	0.09	4.44	20.70	2.81	1.33
Forestburg	47	2	69	25	0.00	4.20	26.48	2.61	8.71
Madison	44	2	61	23	0.10	4.80	24.69	3.02	4.35
Mitchell	49	5	72	29	0.00	3.29	19.80	1.87	1.59
Sioux Falls	47	3	69	26	0.00	5.98	24.21	4.21	4.39
Southwest									
Custer	46	5	74	25	0.00	1.05	18.80	-0.30	2.01
Hot Springs	50	5	79	23	0.00	1.53	12.52	0.36	-2.11
Oelrichs	50	6	78	23	0.00	1.55	12.54	0.35	-1.65
Porcupine	47	4	81	19	0.00	1.89	15.07	0.57	0.51
South Central									
Kennebec	50	4	76	26	0.00	3.92	16.79	2.56	1.14
Mission	46	2	76	28	0.00	4.12	19.84	2.66	3.01
Murdo	49	4	79	31	0.00	4.17	18.98	2.66	3.25
Winner	51	3	74	29	0.00	3.51	21.21	1.75	2.03
Southeast									
Armour	49	2	68	27	0.00	6.46	31.22	4.86	12.39
Centerville	45	0	70	23	0.02	6.18	22.20	4.53	2.04
Pickstown	48	2	73	31	0.00	3.72	18.16	2.11	-0.97
Vermillion	50	2	70	30	0.05	5.35	21.51	3.56	0.98
Yankton	46	0	70	23	0.00	5.83	21.44	4.13	0.99

DATA AND MAPS SOURCE: State Climate Office of South Dakota