

South Dakota Weekly Crop Weather Report

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AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

Despite some showers, the statewide average of days suitable for fieldwork was 5.3 days. Major farm activities included harvesting row crops, seeding winter wheat, and working cattle and sheep for winter.

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

WEATHER INFORMATION

Portions of South Dakota received heavy rainfalls during the last week, with Sioux Falls, Onida, and Pierre receiving over 2 inches during the week. Many other locations received over an inch. Much of the western part of the state and places in the northeast received less than a quarter inch or no precipitation. While the heavier rains will help recharge soil moisture for the spring, they come at a time which will slow fieldwork and cause some problems harvesting. A few of the storms during the week dropped hail up to an inch in diameter in north central South Dakota (north of Gettysburg) and between Mitchell and Sioux Falls.

Wind and continued warmer-than-average conditions are helping with the dry-down of crops and some drying out of fields after rainfall events. Stations across the whole state had above average temperatures for the week, with several stations in the eastern half of the state more than 10° F above average.

The US Drought Monitor last week increased the area under D0 (abnormally dry) in the northwest part of the state because of continuing dryness over the last 30 to 60 days.

SOIL CONDITION

With some areas of the state receiving rainfall this week, winter wheat stands should benefit. Statewide, soil moisture ratings went up. Topsoil moisture was rated at 78 percent adequate to surplus, up from 74 percent last week. Subsoil moisture was rated at 68 percent adequate to surplus, up from 64 percent last week.

FIELD CROPS REPORT

Harvest of soybeans advanced to 39 percent complete, compared to 13 percent last week, but is still behind the five-year average of 44 percent. The lack of a killing frost in many areas has slowed the dry-down of row crops. Corn harvest advanced to 22 percent complete, ahead of the five-year average, at 16 percent. Sorghum harvested for grain continued to 42 percent, well ahead of the normal, at 29 percent. Sunflower maturity is now rated at 69 percent, slightly ahead of the normal, at 66 percent. Winter wheat seeding has now reached 88 percent complete, which equals last year's pace. Fifty-five percent of winter wheat has emerged, behind last year's 57 percent, but ahead of the five-year average of 47 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Corn and sorghum silage harvest is virtually complete, rated at 97 and 96 percent, respectively. Cattle, sheep, and alfalfa conditions were rated with slightly less in the good to excellent range this week. Range and pasture condition dropped from 54 percent good to excellent last week to 45 percent, this week. This is still well above the five-year average of 26 percent.

Feed and Water Supplies Comparison as of October 7, 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	15	12	12	24	26
Short	9	26	23	15	28	25
Adequate	82	56	61	66	47	47
Surplus	8	3	4	7	1	2

Soil Moisture Condition Comparison as of October 7, 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	7	6	7	16	13	24
Short	15	20	17	16	23	26
Adequate	73	70	74	64	61	48
Surplus	5	4	2	4	3	2

Crop and Livestock Conditions as of October 7, 2007

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	3	7	23	50	17
Soybeans	1	3	23	51	22
Sorghum	3	7	31	55	4
Sunflower	4	7	31	49	9
Alfalfa	5	5	28	55	7
Cattle	0	1	13	66	20
Sheep	0	2	13	67	18
Range & Pasture	6	12	37	40	5

Crop Progress as of October 7, 2007 ¹

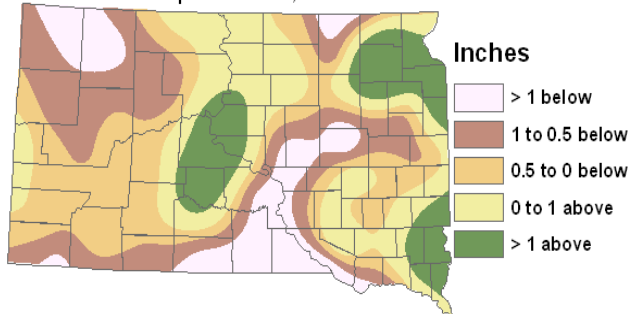
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Seeded	88	78	88	86
Emerged	55	39	57	47
Corn				
Mature	92	82	93	89
Grain Harvested	22	13	15	16
Silage Harvested	97	91	99	96
Soybeans				
Dropping Leaves	99	93	100	99
Mature	88	69	92	90
Harvested	39	13	46	44
Sorghum				
Mature	97	87	90	84
Grain Harvested	42	23	27	29
Silage Harvested	96	88	99	91
Sunflower				
Mature	69	44	65	66
Harvested	8	2	8	17
Alfalfa				
3rd Cutting	91	90	91	90

¹ Percents represent all acreage in or beyond each stage.

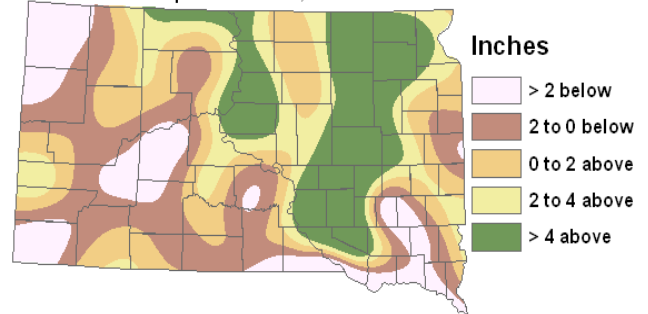
Average Soil Temperatures Week Ending October 7, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	59	Nisland	60
Brookings	60	Oacoma	65
Caputa	55	Pierre	64
Cottonwood	61	Redfield	59
Gettysburg	NA	South Shore	58

Accumulated Precip Departure from Normal
for Sep 8 to Oct 7, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Oct 7, 2007



TEMPERATURE and PRECIPITATION
Week Ending Sunday, October 7, 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
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches
Northwest									
Bison	58	4	85	35	0.00	0.00	13.11	-0.35	0.17
Buffalo	53	3	85	34	0.19	0.19	9.32	-0.16	-3.77
Dupree	58	5	87	41	0.11	0.11	14.70	-0.24	0.97
McIntosh	53	0	83	35	0.02	0.02	17.33	-0.33	4.46
Newell	54	1	89	34	0.33	0.33	10.46	0.03	-1.23
Timber Lake	57	4	85	40	0.18	0.18	13.21	-0.17	-0.78
North Central									
Aberdeen	57	5	89	34	0.05	0.05	22.68	-0.37	7.10
Faulkton	58	4	87	38	0.05	0.05	16.10	-0.34	0.86
Mobridge	56	2	78	33	1.09	1.09	16.64	0.74	3.60
Roscoe	57	6	82	41	0.87	0.87	16.14	0.52	0.48
Northeast									
Britton	61	8	86	35	0.25	0.25	21.49	-0.17	5.35
Clear Lake	60	8	85	42	0.86	0.86	18.86	0.37	-0.29
Sisseton	61	8	88	41	0.18	0.18	20.62	-0.24	4.43
Watertown	62	11	86	41	0.10	0.10	17.97	-0.37	1.13
Webster	60	8	85	44	0.24	0.24	24.08	-0.18	7.04
West Central									
Faith	57	2	87	36	0.04	0.04	15.24	-0.31	1.95
Milesville	58	3	90	39	0.30	0.30	12.18	-0.10	-2.90
Philip	60	5	92	30	0.11	0.11	10.16	-0.17	-3.00
Rapid City	55	2	89	35	0.21	0.21	12.39	-0.08	-0.29
Spearfish	57	5	81	37	1.47	1.47	15.30	1.00	-0.37
Central									
Chamberlain	65	10	95	40	0.00	0.00	21.83	-0.43	4.80
Highmore	58	4	86	41	0.02	0.02	19.20	-0.40	2.79
Huron	62	8	90	37	0.10	0.10	23.38	-0.32	7.66
Onida	57	3	84	36	2.15	2.15	21.41	1.79	6.79
Pierre	58	2	86	36	2.65	2.65	18.07	2.24	2.85
East Central									
Brookings	61	9	86	35	0.95	0.95	17.21	0.47	-1.01
Forestburg	65	9	90	38	0.19	0.19	22.47	-0.23	5.87
Madison	63	10	86	39	1.23	1.23	21.12	0.74	2.07
Mitchell	68	13	91	45	0.43	0.43	16.94	0.01	-0.27
Sioux Falls	66	12	88	42	2.27	2.27	20.50	1.78	1.96
Southwest									
Custer	52	2	75	30	0.19	0.19	17.93	-0.16	2.14
Hot Springs	60	6	86	36	0.13	0.13	11.12	-0.21	-2.68
Oelrichs	59	5	88	37	0.00	0.00	10.99	-0.32	-2.32
Porcupine	58	5	90	32	0.65	0.65	13.83	0.30	0.24
South Central									
Kennebec	64	8	89	35	0.02	0.02	12.89	-0.33	-1.75
Mission	59	5	86	38	0.17	0.17	15.89	-0.25	0.10
Murdo	59	4	84	42	1.69	1.69	16.50	1.34	1.93
Winner	63	5	92	39	0.00	0.00	17.69	-0.49	-0.22
Southeast									
Armour	66	9	89	39	0.84	0.84	25.60	0.38	7.91
Centerville	65	9	89	39	1.41	1.41	17.43	0.97	-1.52
Pickstown	64	7	90	42	0.55	0.55	14.99	0.09	-2.99
Vermillion	69	10	88	40	0.10	0.10	16.26	-0.39	-2.97
Yankton	65	8	90	41	0.21	0.21	15.82	-0.23	-3.37

DATA AND MAPS SOURCE: State Climate Office of South Dakota