

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Many areas of the state received rain this week, significantly slowing harvest progress. Statewide average of days suitable for fieldwork was only 1.3 days. Major farm activities included moving livestock to row crop stubble and harvesting row crops, whenever possible.

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

WEATHER INFORMATION

Another slow-moving storm system produced rainfall across the whole state. Some locations in the west received just a few hundredths. Most stations received at least one half of an inch. The heaviest rains were in the southeastern part of the state, the third such storm in as many weeks. Consecutive days of rainfall, with many locations east of the Missouri River reporting one-inch amounts, have greatly slowed harvest progress. The month of October has seen greater than 4 inches of precipitation in an area east of the Missouri River and south of highway 34. Another band with amounts from 3 to 4 inches surrounds this area. These totals are 2 to 4 times above average for the month.

A continuation of warmer-than-average temperatures has some areas still waiting for a hard freeze. Some county extension reports have described difficulty harvesting because of the lack of a freeze. Some of the wettest areas will have difficulty drying the soil sufficiently for harvest, and likely require waiting until the soil freezes before harvesting.

SOIL CONDITION

Statewide topsoil moisture rating increased from 10 percent surplus to 30 percent, clearly reflecting the rain received in October. Likewise, subsoil moisture rating increased from 6 percent surplus to 18 percent. However, the percentage of subsoil rated as very short also increased from 10 percent to 12 percent. The western third of the state remains in drought conditions. Average soil temperatures continue a steady decline with temperatures ranging from 48° to 54° F.

FIELD CROPS REPORT

Only marginal progress in row crop harvest occurred over the week. Harvest of soybeans is rated at 69 percent complete, well behind last year's 91 percent and the five-year average of 88 percent. Corn and sorghum harvest each advanced only 3 percentage points, with corn rated at 39 percent complete and sorghum at 72 percent. Due to early harvest activities, the corn and sorghum harvests are still ahead of last year and the five-year averages. Sunflower maturity is now rated at 94 percent mature, slightly ahead of the last year at 91 percent. Sunflower harvest advanced only 2 percentage points to 29 percent, similar to last year's 30 percent, but well behind the five-year average of 48 percent. Eighty-four percent of winter wheat has emerged, slightly behind last year's 86 percent, but ahead of the five-year average of 77 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 condition slipped from 19 percent excellent to 16 percent. Similarly, sheep condition slipped from 20 percent excellent to 15 percent. The cold, wet and muddy conditions were hard on livestock, but a large portion of cattle and sheep remain in good condition. Alfalfa condition improved from 62 percent in good to excellent condition to 68 percent. Range and pasture condition only improved from 49 percent good to excellent to 50 percent.

Feed and Water Supplies Comparison as of October 21, 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	16	13	13	23	26
Short	9	24	22	14	25	23
Adequate	81	59	61	62	50	49
Surplus	9	1	4	11	2	2

Soil Moisture Condition Comparison as of October 21, 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	2	4	9	12	10	21
Short	9	18	18	12	20	29
Adequate	59	68	71	58	64	48
Surplus	30	10	2	18	6	2

Crop and Livestock Conditions as of October 21, 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	4	29	57	9
Corn	3	7	26	45	19
Sunflower	4	12	27	47	10
Alfalfa	2	3	27	61	7
Cattle	0	1	11	72	16
Sheep	0	1	10	74	15
Range & Pasture	3	12	35	43	7

Crop Progress as of October 21, 2007 ¹

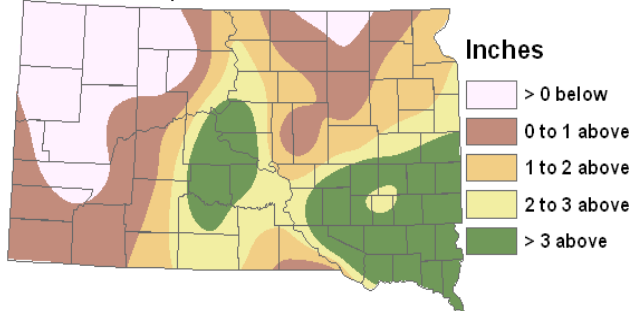
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Emerged	84	72	86	77
Corn				
Grain Harvested	39	36	34	37
Soybeans				
Harvested	69	61	91	88
Sorghum				
Grain Harvested	72	69	58	64
Sunflower				
Mature	94	85	91	92
Harvested	29	27	30	48
Alfalfa				
3rd Cutting	96	94	100	99

¹ Percents represent all acreage in or beyond each stage.

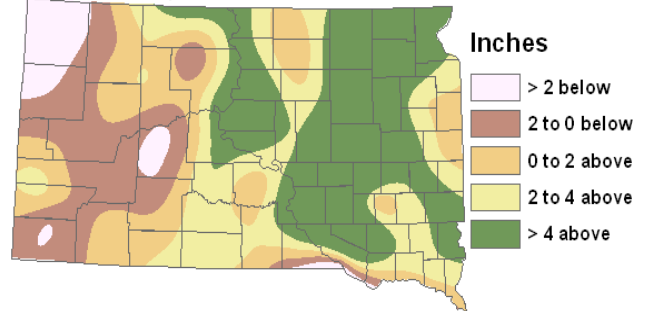
Average Soil Temperatures Week Ending October 21, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	49	Nisland	51
Brookings	52	Oacoma	54
Caputa	50	Pierre	53
Cottonwood	48	Redfield	51
Gettysburg	NA	South Shore	49

Accumulated Precip Departure from Normal
for Sep 22 to Oct 21, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Oct 21, 2007



TEMPERATURE and PRECIPITATION
Week Ending Sunday, October 21, 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	44	-3	65	31	0.27	0.38	13.49	-0.67	-0.15
Buffalo	45	0	66	29	0.06	0.86	9.99	-0.19	-3.80
Dupree	46	-2	63	33	0.88	1.13	15.72	0.01	1.22
McIntosh	45	-2	64	33	0.69	0.71	18.02	-0.32	4.47
Newell	44	-3	55	31	0.45	0.87	11.00	-0.13	-1.39
Timber Lake	45	-1	63	34	0.52	0.74	13.77	-0.42	-1.03
North Central									
Aberdeen	49	3	66	36	1.13	1.47	24.10	0.29	7.76
Faulkton	48	1	66	37	1.33	2.27	18.32	1.09	2.29
Mobridge	47	-1	62	30	1.34	2.61	18.16	1.52	4.38
Roscoe	47	2	62	41	0.52	1.74	17.01	0.68	0.64
Northeast									
Britton	50	3	64	41	1.22	1.91	23.15	0.74	6.26
Clear Lake	48	3	68	41	1.61	3.59	21.59	2.16	1.50
Sisseton	51	4	66	42	2.26	2.72	23.16	1.46	6.13
Watertown	49	4	67	39	1.66	2.46	20.33	1.09	2.59
Webster	48	3	63	39	1.65	2.44	26.28	1.23	8.45
West Central									
Faith	46	-2	66	33	0.74	0.80	16.00	-0.31	1.95
Milesville	47	-2	67	38	0.75	1.75	13.63	0.51	-2.29
Philip	47	-1	68	31	0.44	1.82	11.87	0.89	-1.94
Rapid City	46	-2	71	29	0.03	0.61	12.79	-0.37	-0.58
Spearfish	46	-1	67	27	0.33	2.00	15.83	0.55	-0.82
Central									
Chamberlain	49	1	67	40	2.95	4.02	25.85	2.75	7.98
Highmore	47	-1	66	34	1.27	2.10	21.28	0.84	4.03
Huron	50	3	67	37	2.13	3.12	26.40	1.98	9.96
Onida	48	1	65	38	1.85	4.53	23.79	3.42	8.42
Pierre	47	-2	65	35	2.16	5.71	21.13	4.52	5.13
East Central									
Brookings	49	4	71	37	2.14	4.35	20.61	3.07	1.59
Forestburg	50	1	64	41	2.64	4.20	26.48	2.96	9.06
Madison	49	3	72	38	2.52	4.70	24.59	3.33	4.66
Mitchell	49	1	72	38	1.60	3.29	19.80	2.17	1.89
Sioux Falls	52	5	73	38	2.51	5.98	24.21	4.63	4.81
Southwest									
Custer	42	-2	61	25	0.05	1.05	18.80	0.00	2.31
Hot Springs	50	2	71	35	0.11	1.53	12.52	0.62	-1.85
Oelrichs	49	0	72	33	0.35	1.55	12.54	0.63	-1.37
Porcupine	47	1	70	30	0.36	1.89	15.07	0.85	0.79
South Central									
Kennebec	49	-1	67	38	2.85	3.92	16.79	2.87	1.45
Mission	46	-2	66	38	2.82	4.12	19.84	2.98	3.33
Murdo	47	-2	65	39	1.79	4.17	18.98	3.01	3.60
Winner	49	-3	67	33	1.64	3.51	21.21	2.13	2.41
Southeast									
Armour	51	0	68	40	4.31	6.46	31.22	5.21	12.74
Centerville	52	4	82	42	3.67	7.37	23.39	6.09	3.60
Pickstown	49	-1	67	40	2.92	3.72	18.16	2.46	-0.62
Vermillion	54	3	76	40	2.75	5.30	21.46	3.93	1.35
Yankton	52	2	82	37	4.63	5.83	21.44	4.55	1.41

DATA AND MAPS SOURCE: State Climate Office of South Dakota