

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

A hard freeze across the state brought the growing season to a close. South Dakota row-crop harvest remains behind schedule due to the wet conditions throughout the week. There were 2.3 days suitable for fieldwork in the past week. Some of the major farm activities included general care of livestock, seeding of winter wheat, and limited row crop harvest.

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

WEATHER INFORMATION

The growing season of 2009 came to an abrupt end in the eastern part of the state as temperatures dropped into the 20s and some teens last week, according to the State Climate office of South Dakota. This date was a few days (southeast) to a couple weeks (northeast) later than average for a first hard freeze. These cold temperatures also brought the first snow to areas of the eastern part of the state.

Statewide average temperatures for the week ranged from 12° to 24° F below average. The coldest observation in the state was a -3° F in Custer. The warmest was an early week 69 F at Vermillion. Nearly the whole state saw at least an inch of precipitation. Kennebec reported the highest amount at 1.88 inches. Centerville and Madison had the lowest reports at 0.93 inch. The rain continued the wet October where all stations in the state are above average with some stations 2-3 inches above average.

SOIL CONDITION

Topsoil rated at 82 percent in the adequate to surplus range last week, compared to 79 percent in 2008 and 77 percent for the five-year average. Subsoil was rated at 61 percent in the adequate to surplus range, compared to 67 percent last year and 62 percent for the five-year average. Soil temperatures continued dropping quickly with averages for nearly all stations in the 40s F for the week.

FIELD CROPS REPORT

Corn rated mature is at 84 percent, compared to 82 percent last year and 91 percent for the five-year average. Two percent of corn has been harvested for grain, compared to 10 percent last year and 19 percent for the five-year average. Ninety-three percent of the soybean crop is rated mature, compared to 93 percent in 2008 and 94 percent for the five-year average. Twenty-five percent of the soybean crop has been harvested, compared to 54 percent last year and 56 percent for the five-year average. Eighty-seven percent of the winter wheat seeding is complete, compared to 88 percent in 2008 and 91 percent for the five-year average. Seventy-two percent of the sunflowers are rated mature, compared to 53 percent last year and 69 percent for the five-year average. Seventy-two percent of sunflower crop is rated mature, compared to 53 percent last year. Two percent of the sunflower crop has been harvested, compared to 4 percent last year and 14 percent for the five-year average.

LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle rated 88 percent in the good to excellent condition, equal to last year, but ahead of the five-year average of 84 percent. Sheep rated 85 percent in the good to excellent condition, equal to the five-year average, but behind of last year's 92 percent. Range and pasture rated 61 percent in good to excellent condition, compared to 56 percent last year and 41 percent for the five-year average.

Feed and Water Supplies Comparison as of October 11, 2009

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	6	1	3	15
Short	4	6	14	8	17	20
Adequate	88	83	73	85	72	60
Surplus	8	11	7	6	8	5

Soil Moisture Condition Comparison as of October 11, 2009

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	1	5	5	3	6	5
Short	17	26	16	36	38	28
Adequate	77	65	71	58	53	60
Surplus	5	4	8	3	3	7

Crop and Livestock Conditions as of October 11, 2009

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	1	3	17	58	21
Soybeans	1	3	30	51	15
Sorghum	1	3	18	60	18
Sunflower	1	4	23	58	14
Alfalfa	1	4	24	55	16
Cattle	0	1	11	72	16
Sheep	0	2	13	65	20
Range & Pasture	2	8	29	48	13

Crop Progress as of October 11, 2009 ¹

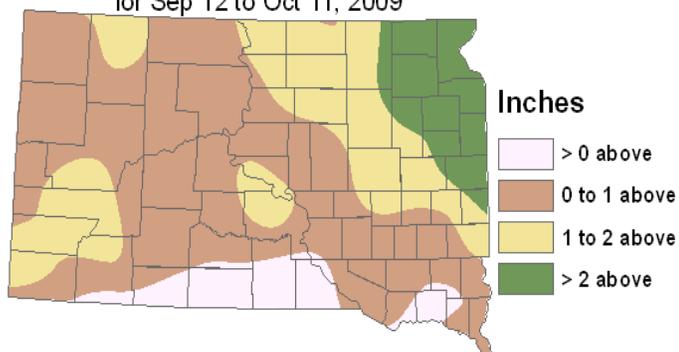
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Seeded	87	78	88	91
Emerged	56	43	59	60
Corn				
Mature	84	57	82	91
Grain Harvested	2	2	10	19
Silage Harvested	86	71	95	97
Soybeans				
Mature	93	58	93	94
Harvested	25	16	54	56
Sorghum				
Mature	84	68	72	89
Grain Harvested	20	12	8	35
Silage Harvested	86	71	94	96
Sunflower				
Bracts Yellow	98	93	99	98
Mature	72	42	53	69
Harvested	2	1	4	14

¹ Percents represent all acreage in or beyond each stage.

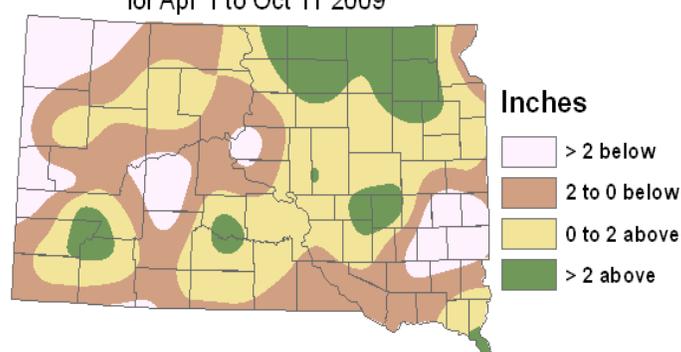
Average Soil Temperatures Week Ending October 11, 2009 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	45	Nisland	46
Beresford	50	Oacoma	50
Bowdle	44	Parkston	48
Brookings	46	Pierre	47
Caputa	45	Redfield	48
Cottonwood	43	South Shore	45

PAST 30 DAYS
Accumulated Precip Deviation from Average
for Sep 12 to Oct 11, 2009



GROWING SEASON
Accumulated Precip Deviation from Average
for Apr 1 to Oct 11 2009



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, October 11, 2009

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>		
Northwest											
Bison	32	-19	46	15	1.60	2.31	11.57	1.76	-1.57	2,353	-340
Buffalo	30	-18	43	15	1.05	1.39	8.88	0.84	-4.41	2,233	-28
Dupree	33	-18	50	12	1.29	1.46	15.42	0.89	1.47	2,476	-241
McIntosh	32	-19	49	16	1.56	1.66	12.35	1.11	-0.72	2,165	-528
Newell	35	-16	52	18	1.10	1.22	12.32	0.72	0.43	2,246	-463
Timber Lake	34	-17	50	14	1.36	1.58	14.23	0.99	0.00	2,424	-254
North Central											
Aberdeen	37	-13	56	22	1.32	2.44	17.96	1.78	2.14	2,318	-362
Faulkton	35	-16	57	17	1.61	2.64	17.05	2.01	1.57	2,325	-421
Mobridge	35	-16	52	22	1.38	2.12	13.81	1.55	0.55	2,412	-350
Roscoe	36	-13	53	19	1.22	2.71	19.69	2.15	3.82	2,202	-289
Northeast											
Britton	38	-13	52	21	1.16	2.69	21.60	2.03	5.22	2,132	-549
Clear Lake	35	-14	49	17	1.60	4.37	20.01	3.60	0.58	2,183	-262
Sisseton	37	-13	55	20	1.20	3.73	16.68	3.07	0.25	2,321	-316
Watertown	37	-12	57	18	1.19	3.37	18.64	2.62	1.52	2,184	-184
Webster	35	-14	53	19	1.35	3.27	21.22	2.61	3.94	2,239	-246
West Central											
Faith	32	-20	49	17	1.14	1.47	14.43	0.88	0.90	2,334	-522
Milesville	35	-18	53	15	1.38	1.54	12.79	0.90	-2.53	2,584	-336
Philip	35	-17	54	14	1.41	1.48	10.28	1.00	-3.08	2,648	-271
Rapid City	31	-20	52	15	1.56	1.61	14.06	1.12	1.18	2,263	-337
Spearfish	31	-19	52	11	1.20	1.40	13.14	0.65	-2.81	2,462	-97
Central											
Chamberlain	38	-15	60	20	1.50	1.74	17.49	1.07	0.22	2,660	-240
Highmore	34	-17	57	13	1.44	2.17	18.36	1.51	1.71	2,350	-431
Huron	37	-14	63	19	1.46	2.00	16.72	1.36	0.78	2,509	-322
Onida	36	-15	55	16	1.71	2.18	12.76	1.58	-2.10	2,302	-479
Pierre	37	-16	56	20	1.55	2.34	13.85	1.69	-1.61	2,576	-442
East Central											
Brookings	38	-12	60	19	1.51	3.40	17.92	2.68	-0.54	2,218	-269
Forestburg	39	-14	64	17	1.37	2.40	20.86	1.74	4.02	2,665	-378
Madison	37	-13	65	19	0.93	2.41	14.74	1.64	-4.59	2,298	-210
Mitchell	39	-13	65	22	1.42	2.34	17.13	1.72	-0.28	2,734	-199
Sioux Falls	39	-12	65	21	1.36	2.57	15.91	1.82	-2.89	2,541	-261
Southwest											
Custer	24	-24	47	-3	0.96	1.40	14.95	0.85	-1.04	1,733	-240
Hot Springs	34	-17	57	9	1.60	1.74	15.21	1.23	1.24	2,565	-185
Oelrichs	36	-16	64	11	1.03	1.09	13.54	0.57	0.03	2,532	-298
Porcupine	35	-15	55	9	1.35	1.54	15.02	0.99	1.23	2,452	-328
South Central											
Kennebec	37	-17	59	15	1.88	2.40	16.07	1.85	1.23	2,728	-455
Mission	36	-15	58	17	0.94	1.16	16.92	0.52	0.91	2,473	-297
Murdo	37	-16	54	17	1.55	1.92	17.28	1.33	2.47	2,631	-263
Winner	38	-18	61	22	1.20	1.44	18.41	0.67	0.22	2,692	-543
Southeast											
Armour	38	-17	64	20	1.49	2.03	17.48	1.33	-0.45	2,598	-620
Centerville	40	-12	67	18	0.93	1.53	19.93	0.85	0.74	2,526	-422
Pickstown	41	-13	67	20	1.37	1.63	16.82	0.93	-1.40	2,610	-460
Vermillion	42	-13	69	19	0.98	2.25	21.22	1.48	1.71	2,799	-540
Yankton	40	-13	66	20	1.07	1.46	19.23	0.78	-0.20	2,697	-338

DATA AND MAP SOURCE: State Climate Office of South Dakota