

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Precipitation and wet conditions have slowed the start to harvesting of row crops. Some areas of the state welcomed the moisture as a relief for the planted winter wheat. There were 4.0 days suitable for fieldwork in the past week. Some of the major farm activities included cutting silage, general care of livestock, seeding of winter wheat, and combining of row crops.

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

WEATHER INFORMATION

Cool and wet weather and the first hard freeze of the season were the main topics of the week, according to the State Climate office of South Dakota. A fairly warm September gave way to much cooler conditions transitioning into October. Average temperatures for most of the state were in the upper 40s F except for a few stations. These average temperatures were below average by 4-10° F except for Spearfish (which had the advantage of wind flow over the Black Hills for several days last week, leading to much warmer temperatures). Spearfish also recorded the high temperature of the week at 83° F, while Porcupine had the low at 19° F.

All of the state reported some rainfall with the most moisture reaching the northeastern quarter of the state through Sunday. Most of the area east of a Vermillion to Aberdeen line received over 1 inch for the week, while the Clear Lake-Watertown-Sisseton area reported over 2 inches. Clear Lake had the highest total at 2.77 inches. Some western areas had much lower totals. Rapid City had the lowest report at 0.05 inch.

The colder temperatures were also associated with the first frost and hard freeze of the year in some locations. Much of the southwest and northwest reached a hard freeze (28° F or below). Areas from the James to Missouri Rivers also had a frost last week (32° F or below). These first freeze dates were all somewhat later than average in most locations.

SOIL CONDITION

Topsoil rated at 69 percent in the adequate to surplus range last week, compared to 61 percent in 2008 and 72 percent for the five-year average. Subsoil was rated at 56 percent in the adequate to surplus range, compared to 62 percent last year and 60 percent for the five-year average. Soil temperatures continued dropping with averages in the 50s F for all stations for the week.

FIELD CROPS REPORT

Ninety-five percent of the corn is in or beyond the dent stage. Corn rated mature is at 57 percent, compared to 71 percent last year and 78 percent for the five-year average. Only 2 percent of corn was harvested for grain, compared to 5 percent last year. Ninety-six percent of the soybeans are dropping leaves, compared to last years 97 percent and five-year average of 98 percent. Fifty-eight percent of the soybean crop is rated mature, compared to 78 percent for both last year and the five-year average. Sixteen percent of the soybean crop has been harvested, compared to 37 percent last year and 30 percent for the five-year average. Seventy-eight percent of the winter wheat seeding is complete, compared to 79 percent for the five-year average.

LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle and sheep both rated 87 percent in good to excellent condition. Range and pasture rated at 63 percent in good to excellent condition, compared to 59 percent last year and 43 percent for the five-year average.

Feed and Water Supplies Comparison as of October 4, 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	1	0	5	1	2	15
Short	3	5	14	10	15	20
Adequate	86	78	73	82	72	60
Surplus	10	17	8	7	11	5

Soil Moisture Condition Comparison as of October 4, 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	5	7	8	6	3	9
Short	26	37	31	38	40	29
Adequate	65	54	56	53	56	58
Surplus	4	2	5	3	1	4

Crop and Livestock Conditions as of October 4, 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	4	17	58	20
Soybeans	1	4	28	53	14
Sorghum	0	2	21	62	15
Sunflower	0	4	24	59	13
Alfalfa	1	4	25	57	13
Cattle	0	1	12	72	15
Sheep	0	1	12	69	18
Range & Pasture	1	10	26	52	11

Crop Progress as of October 4, 2009 ¹

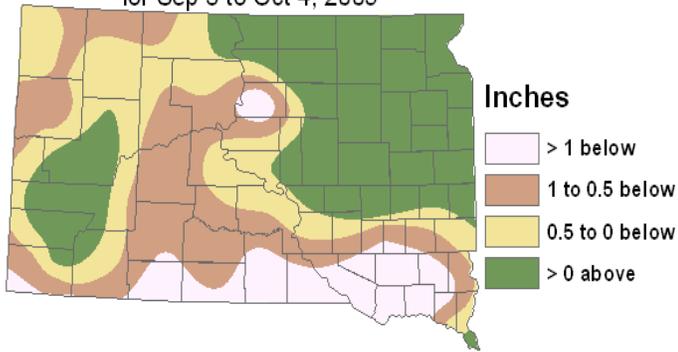
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Seeded	78	66	74	79
Emerged	43	23	39	42
Corn				
Dent	95	89	100	99
Mature	57	34	71	78
Grain Harvested	2	0	5	11
Silage Harvested	71	52	85	90
Soybeans				
Dropping Leaves	96	86	97	98
Mature	58	26	78	78
Harvested	16	2	37	30
Sorghum				
Mature	68	36	56	75
Grain Harvested	12	7	5	19
Silage Harvested	71	47	87	88
Sunflower				
Bracts Yellow	93	74	94	94
Mature	42	13	26	44
Harvested	1	0	1	5

¹ Percents represent all acreage in or beyond each stage.

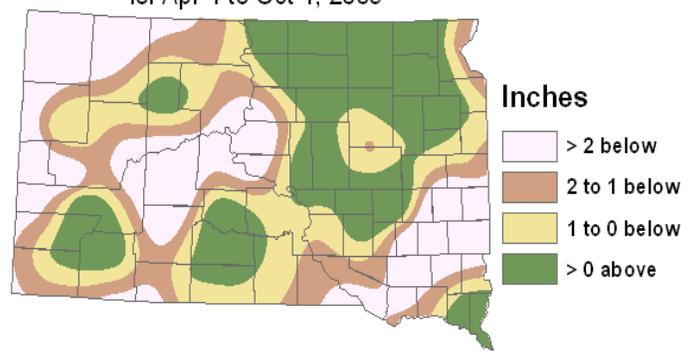
Average Soil Temperatures Week Ending October 4, 2009 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	53	Nisland	54
Beresford	56	Oacoma	57
Bowdle	54	Parkston	55
Brookings	53	Pierre	57
Caputa	52	Redfield	54
Cottonwood	57	South Shore	53

PAST 30 DAYS
Accumulated Precip Deviation from Average
for Sep 5 to Oct 4, 2009



GROWING SEASON
Accumulated Precip Deviation from Average
for Apr 1 to Oct 4, 2009



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, October 4, 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	46	-7	73	36	0.71	0.71	9.97	0.51	-2.82	2,353	-286
Buffalo	47	-4	76	32	0.58	0.34	7.83	0.14	-5.11	2,233	15
Dupree	49	-4	72	32	0.17	0.17	14.13	-0.03	0.55	2,476	-187
McIntosh	46	-7	72	31	0.12	0.10	10.79	-0.10	-1.93	2,165	-476
Newell	48	-5	77	27	0.12	0.12	11.22	-0.04	-0.33	2,245	-406
Timber Lake	48	-6	71	34	0.22	0.22	12.87	0.02	-0.97	2,424	-204
North Central											
Aberdeen	48	-5	68	33	1.12	1.12	16.64	0.88	1.24	2,315	-317
Faulkton	48	-6	71	29	1.03	1.03	15.44	0.82	0.38	2,322	-370
Mobridge	49	-5	75	35	0.74	0.74	12.43	0.54	-0.46	2,411	-300
Roscoe	47	-5	68	33	1.49	1.49	18.47	1.29	2.96	2,200	-244
Northeast											
Britton	47	-7	62	31	1.53	1.53	20.44	1.29	4.48	2,131	-498
Clear Lake	48	-4	65	37	2.77	2.77	18.41	2.49	-0.53	2,183	-220
Sisseton	48	-6	61	35	2.53	2.53	15.48	2.29	-0.53	2,318	-271
Watertown	47	-4	64	35	2.18	2.18	17.45	1.92	0.82	2,181	-148
Webster	47	-5	64	35	1.92	1.92	19.87	1.68	3.01	2,237	-210
West Central											
Faith	48	-8	74	37	0.40	0.33	13.29	0.13	0.15	2,334	-465
Milesville	50	-5	76	30	0.16	0.16	11.41	-0.06	-3.49	2,581	-277
Philip	49	-6	78	29	0.14	0.07	8.87	-0.09	-4.18	2,645	-211
Rapid City	48	-5	74	27	0.05	0.05	12.50	-0.11	-0.05	2,262	-282
Spearfish	55	1	83	27	0.20	0.20	11.94	-0.06	-3.52	2,460	-50
Central											
Chamberlain	48	-8	73	31	0.54	0.24	15.99	-0.01	-0.86	2,655	-183
Highmore	47	-8	72	31	0.88	0.73	16.92	0.49	0.69	2,346	-377
Huron	48	-6	71	31	0.71	0.54	15.26	0.30	-0.28	2,502	-274
Onida	47	-8	72	32	0.47	0.47	11.05	0.27	-3.41	2,297	-426
Pierre	48	-8	74	29	1.06	0.79	12.30	0.56	-2.74	2,573	-384
East Central											
Brookings	48	-4	66	34	1.89	1.89	16.41	1.61	-1.61	2,212	-228
Forestburg	50	-6	72	31	1.03	1.03	19.49	0.79	3.07	2,655	-326
Madison	48	-4	68	32	1.48	1.48	13.81	1.20	-5.03	2,290	-170
Mitchell	49	-6	72	34	0.92	0.92	15.71	0.68	-1.32	2,725	-150
Sioux Falls	49	-4	69	35	1.21	1.21	14.55	0.93	-3.78	2,533	-214
Southwest											
Custer	41	-9	75	22	0.48	0.44	13.99	0.24	-1.65	1,733	-195
Hot Springs	49	-4	78	22	0.14	0.14	13.61	-0.05	-0.04	2,556	-126
Oelrichs	49	-5	82	22	0.06	0.06	12.51	-0.11	-0.65	2,523	-240
Porcupine	48	-5	80	19	0.19	0.19	13.67	-0.01	0.23	2,448	-265
South Central											
Kennebec	48	-9	73	26	0.52	0.52	14.19	0.32	-0.30	2,723	-389
Mission	47	-8	72	28	0.22	0.22	15.98	-0.02	0.37	2,469	-243
Murdo	49	-7	74	33	0.37	0.37	15.73	0.17	1.31	2,628	-206
Winner	49	-10	72	34	0.40	0.24	17.21	-0.04	-0.49	2,686	-476
Southeast											
Armour	49	-9	72	32	0.54	0.54	15.99	0.26	-1.52	2,590	-559
Centerville	49	-6	70	29	0.60	0.60	19.00	0.34	0.23	2,517	-372
Pickstown	47	-9	71	28	0.26	0.26	15.45	-0.02	-2.35	2,591	-415
Vermillion	51	-8	75	30	1.27	1.27	20.24	0.99	1.22	2,776	-489
Yankton	50	-7	72	28	0.39	0.39	18.16	0.13	-0.85	2,682	-288

DATA AND MAP SOURCE: State Climate Office of South Dakota