

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Producers are still facing wet conditions and high water levels that have created difficulties for livestock and early spring fieldwork. A small percentage of the small grains were seeded last week, as there was 3.1 days suitable for fieldwork in the past week. There was reported activity of harvesting of last fall's corn crop last week. Farm activities focused on preparing and starting spring fieldwork, calving, lambing, and tending to livestock.

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

WEATHER INFORMATION

Western South Dakota experienced the main precipitation for the week with a combined snow and rain event late in the week, according to the State Climate Office of South Dakota. Up to 9 inches of snow fell outside the Black Hills with as much as 19 inches in the Black Hills. Liquid totals with this storm were significant with some places over an inch of liquid. Hot Springs had the highest report here with 1.05 inches. Many stations in the east to southeast reported no precipitation for the week. Thirteen stations reported no precipitation.

Average temperatures ranged from the mid 40s to the mid 50s in the southeast. All temperatures were above average from 4 – 15° F. This continues the trend over much of the last month. Fairly dry conditions and warmer conditions have pushed soil temperatures mainly into the 40s F statewide.

The high air temperature of the week was 82° F which was shared among Winner, Kennebec, Vermillion and Yankton. Hot Springs and Porcupine had the lowest at 19° F. These were the first 80° F temperatures of the year.

SOIL CONDITION

Parkston had the highest 4 inch-depth temperature at 47° F; Aberdeen and Nisland had the lowest at 40° F. Topsoil and subsoil moisture are both rated at 38 percent in the surplus category, higher than the five-year averages of 17 and 8 percent respectively.

FIELD CROPS REPORT

High levels of moisture in the soil kept most producers out of the fields this past week. Some areas of South Dakota reported that field work will begin later this week, if weather remains dry. Despite the wet soil conditions some producers were able to plant small grains last week. Two percent of the barley and oats has been planted and 4 percent of the spring wheat has been seeded. Percent of winter wheat that has broken dormancy is estimated at 79 percent, ahead of last year's progress of 26 percent and the five-year average of 61 percent. Winter wheat conditions increased in the good to excellent categories, this week estimated at 71 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Mild weather for most of the state allowed livestock to remain in good condition. Cattle are rated at 80 percent in good to excellent condition. Calf death losses were rated at 4 percent below normal, 90 percent normal, and 6 percent above normal. Calving is estimated to be 43 percent complete and 4 percent of cattle have been moved to pasture. Sheep are rated 82 percent in good to excellent condition, with sheep and lamb deaths rated 4 percent below average, 92 percent average, and 4 percent above average. Lambing is estimated to be 65 percent complete. Feed supplies are rated at 91 percent adequate to surplus, up 6 percentage points from last year. Stock water supplies are also in good shape with 98 percent in the adequate to surplus categories, also up 6 percentage point

from last year. Range and pasture conditions are rated at 65 percent good to excellent, up 12 percentage points from last year, and 23 percentage points higher than the five-year average.

Feed and Water Supplies Comparison as of April 4, 2010

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	3	5	0	2	12
Short	8	13	13	2	6	16
Adequate	85	78	76	70	74	64
Surplus	6	6	6	28	18	8

Soil Moisture Condition Comparison as of April 4, 2010

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	0	0	0	0	1	2
Short	2	1	1	2	2	8
Adequate	60	66	60	60	81	76
Surplus	38	33	39	38	16	14

Crop and Livestock Conditions as of April 4, 2010

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	3	25	59	12
Cattle	1	2	17	71	9
Sheep	1	2	15	71	11
Range & Pasture	4	10	21	59	6

Crop Progress as of April 4, 2010 ¹

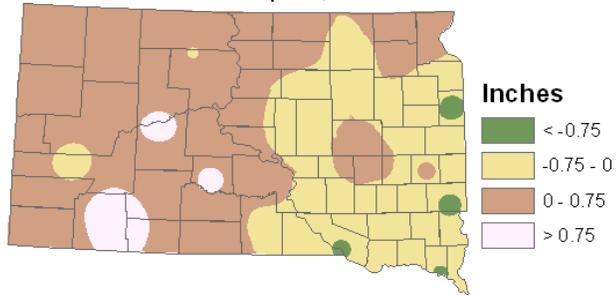
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Breaking Dormancy	79	45	26	61
Barley				
Seeded	2	NA	0	2
Emerging	0	NA	0	0
Oats				
Seeded	2	NA	0	5
Emerging	0	NA	0	0
Spring Wheat				
Seeded	4	NA	2	7
Emerging	0	NA	0	0

¹ Percents represent all acreage in or beyond each stage.

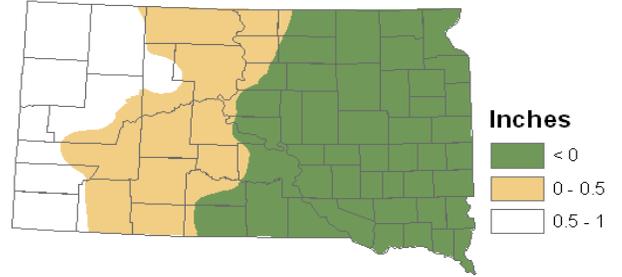
Average Soil Temperatures Week Ending April 4, 2010 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	40	Nisland	40
Beresford	44	Oacoma	45
Bowdle	41	Parkston	47
Brookings	46	Pierre	46
Caputa	41	Redfield	NA
Cottonwood	41	South Shore	NA

PAST 30 DAYS
Accumulated Precip Deviation from Average
for March 6 to April 4, 2010



GROWING SEASON
Accumulated Precip Deviation from Average
for April 1 to April 4, 2010



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, April 4, 2010

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	44	5	71	25	0.85	6.07	0.00	1.16	0.61	2	NA
Buffalo	47	11	74	28	0.72	4.36	0.00	-0.35	0.54	3	NA
Dupree	46	7	74	27	0.70	5.37	0.00	0.71	0.65	3	NA
McIntosh	45	7	72	25	0.60	6.76	0.00	2.81	0.44	5	NA
Newell	46	7	77	25	1.03	5.03	0.00	0.73	0.87	6	NA
Timber Lake	46	8	74	24	0.48	6.15	0.00	0.28	0.28	6	NA
North Central											
Aberdeen	49	11	70	26	0.01	8.48	0.00	3.22	-0.19	18	NA
Faulkton	50	12	76	29	0.05	8.64	0.00	3.64	-0.15	12	NA
Mobridge	50	12	73	29	0.31	6.63	0.00	2.01	0.14	10	NA
Roscoe	50	14	71	25	0.56	9.70	0.00	4.55	-0.01	15	NA
Northeast											
Britton	49	11	69	28	0.00	9.89	0.00	4.75	-0.18	17	NA
Clear Lake	50	14	72	29	0.03	15.44	0.00	8.08	-0.25	16	NA
Sisseton	51	13	73	33	0.02	14.23	0.00	7.68	-0.22	24	NA
Watertown	49	13	70	29	0.00	10.58	0.00	4.47	-0.24	20	NA
Webster	49	12	68	30	0.00	10.22	0.00	4.58	-0.20	16	NA
West Central											
Faith	47	6	73	26	0.70	5.11	0.00	0.27	0.50	5	NA
Milesville	48	6	78	21	0.65	9.42	0.00	4.27	0.45	6	NA
Philip	49	8	81	30	0.27	6.28	0.00	1.86	0.07	10	NA
Rapid City	45	6	78	24	0.54	4.00	0.00	-0.45	0.34	1	NA
Spearfish	51	11	71	31	1.00	8.52	0.00	1.80	0.74	6	NA
Central											
Chamberlain	54	10	79	22	0.10	8.59	0.00	2.41	-0.15	26	NA
Highmore	48	13	77	26	0.00	6.92	0.00	1.21	-0.28	15	NA
Huron	52	12	75	30	0.01	9.11	0.00	3.23	-0.27	23	NA
Onida	50	9	80	25	0.15	7.98	0.00	3.37	-0.05	16	NA
Pierre	49	8	81	27	0.19	8.88	0.00	3.60	-0.02	14	NA
East Central											
Brookings	52	15	74	26	0.00	9.75	0.00	4.44	-0.24	21	NA
Forestburg	54	13	76	26	0.00	10.14	0.00	3.85	-0.29	39	NA
Madison	50	14	73	24	0.00	10.50	0.00	3.40	-0.30	22	NA
Mitchell	55	14	79	31	0.00	10.10	0.00	3.50	-0.30	26	NA
Sioux Falls	55	15	80	28	0.00	11.28	0.00	4.32	-0.32	35	NA
Southwest											
Custer	47	10	62	31	0.95	4.49	0.00	0.30	0.77	6	NA
Hot Springs	48	6	66	19	1.05	6.76	0.00	2.69	0.77	6	NA
Oelrichs	49	8	77	28	0.77	6.91	0.00	2.21	0.57	13	NA
Porcupine	43	4	77	19	0.49	10.25	0.00	5.77	0.29	11	NA
South Central											
Kennebec	53	11	82	25	0.23	7.94	0.00	3.29	0.00	28	NA
Mission	49	9	80	27	0.09	6.93	0.00	2.03	-0.11	17	NA
Murdo	51	10	79	30	0.46	9.02	0.00	3.19	0.18	18	NA
Winner	55	10	82	22	0.07	7.02	0.00	0.38	-0.12	18	NA
Southeast											
Armour	51	10	78	26	0.00	7.76	0.00	0.74	-0.28	26	NA
Centerville	53	12	80	27	0.00	9.37	0.00	2.77	-0.28	38	NA
Pickstown	53	11	80	26	0.02	8.46	0.00	2.28	-0.29	29	NA
Vermillion	58	14	82	30	0.00	9.98	0.00	3.04	-0.27	44	NA
Yankton	55	13	82	32	0.00	12.48	0.00	5.86	-0.28	39	NA

DATA AND MAP SOURCE: State Climate Office of South Dakota