

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Fieldwork is underway in many areas of the state, as there was 4.8 days suitable for fieldwork in the past week. Fertilizing and planting small grains were reported as the events taking place in the fields. 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

Weather across the state continued to be fairly quiet for another week, according to the State Climate Office of South Dakota. Few storms occurred across the state and most locations were quite dry. Surface soils continued to dry with little rainfall in many areas and warm temperatures.

Precipitation was heaviest again over the southwestern part of the state and across the southern edge. The southwest area can handle the precipitation as it was the driest through the winter and early spring. Oelrichs reported the highest precipitation total at 1.21 inches. Much of the northern part of the state was dry again. Thirteen stations reported no precipitation, while another thirteen recorded less than 0.10 inch.

Average temperatures were in the 40s across the whole state (except for some Black Hills areas). Temperatures were above average except for areas in and adjacent to the Black Hills. The eastern and northeastern parts of the state were as much as 6° F above average. Vermillion reported the highest temperature at 67° F; Porcupine reported the lowest at 19° F.

SOIL CONDITION

The warmer conditions and limited rainfall helped to increase 4 inch-depth soil temperatures into the 50s in some places. Pierre had the warmest soil temperature at 53° F; Nisland and Caputa the lowest at 44° F. Topsoil moisture was rated at 24 percent in the surplus category, higher than the five-year average of 17 percent. Subsoil moisture was rated at 30 percent in the surplus category, higher than the five-year average of 9 percent.

FIELD CROPS REPORT

Spring wheat, oats, and barley all made advances in the percent planted over the last week as fields continue to dry. Fourteen percent of the spring wheat has been planted, ahead of last year's estimate of 2 percent but behind the five-year average of 17 percent. Ten percent of the oats has been planted, down from 14 percent for the five-year average. Six percent of the barley has been planted, compared to 2 percent last year and 7 percent for the five-year average. Percent of winter wheat that has broken dormancy is estimated at 88 percent, ahead of last year's progress of 43 percent and the five-year average of 78 percent. Winter wheat conditions increased in the good to excellent categories, this week estimated at 72 percent.

Feed and Water Supplies Comparison as of April 11, 2010

Rating	Feed Supplies			Stock Water Supplies		
	This Week	Last Year	5 Yr. Avg.	This Week	Last Year	5 Yr. Avg.
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	1	5	4	1	1	11
Short	9	16	14	1	5	15
Adequate	84	73	76	73	76	66
Surplus	6	7	6	25	18	8

LIVESTOCK, PASTURE, AND RANGE REPORT

No change was reported in livestock condition as there was another week of quiet weather for most of the state. Cattle are rated at 81 percent in good to excellent condition. Calf death losses were rated at 10 percent below normal, 85 percent normal, and 5 percent above normal. Calving is estimated to be 53 percent complete and 7 percent of cattle have been moved to pasture. Sheep are rated 83 percent in good to excellent condition, with sheep and lamb deaths rated 5 percent below average, 93 percent average, and 2 percent above average. Lambing is estimated to be 72 percent complete. Feed supplies are rated at 90 percent adequate to surplus, up 10 percentage points from last year. Stock water supplies are also in good shape with 98 percent in the adequate to surplus categories, up 4 percentage point from last year. Range and pasture conditions are rated at 62 percent good to excellent, up 9 percentage points from last year, and 19 percentage points higher than the five-year average.

Soil Moisture Condition Comparison as of April 11, 2010

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	0	0	0	0	0	2
Short	2	2	1	2	2	7
Adequate	74	60	65	68	60	74
Surplus	24	38	34	30	38	17

Crop and Livestock Conditions as of April 11, 2010

Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	0	2	26	62	10
Cattle	1	2	16	72	9
Sheep	2	2	13	61	22
Range & Pasture	2	10	26	55	7

Crop Progress as of April 11, 2010 ¹

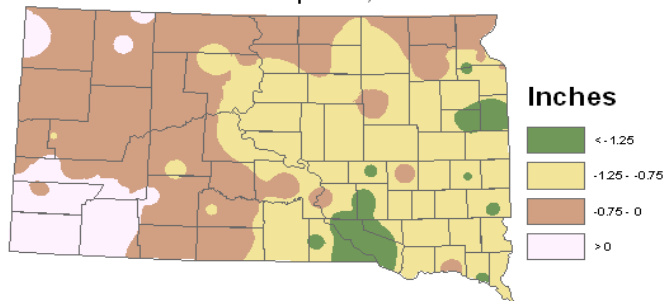
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
Winter Wheat				
Breaking Dormancy	88	79	43	78
Barley				
Seeded	6	2	0	7
Oats				
Seeded	10	2	0	14
Emerging	0	0	0	1
Spring Wheat				
Seeded	14	4	2	17
Emerging	0	0	0	2

¹ Percents represent all acreage in or beyond each stage.

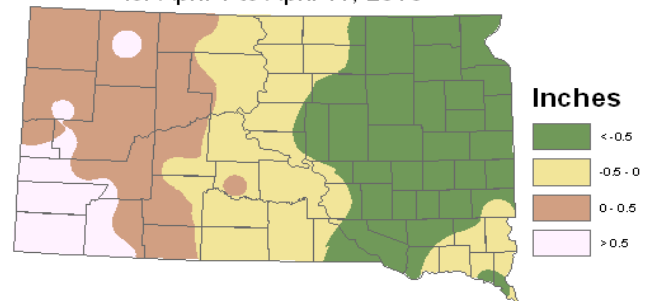
Average Soil Temperatures Week Ending April 11, 2010 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	52	Nisland	44
Beresford	46	Oacoma	50
Bowdle	48	Parkston	48
Brookings	47	Pierre	53
Caputa	44	Redfield	NA
Cottonwood	49	South Shore	NA

PAST 30 DAYS
Accumulated Precip Deviation from Average
for March 13 to April 11, 2010



GROWING SEASON
Accumulated Precip Deviation from Average
for April 1 to April 11, 2010



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, April 11, 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	43	1	61	26	0.00	6.07	0.85	0.72	0.17	26	13
Buffalo	42	1	63	28	0.08	4.44	0.80	-0.65	0.24	20	14
Dupree	44	2	61	25	0.00	5.37	0.70	0.35	0.29	37	19
McIntosh	42	2	60	23	0.00	6.76	0.60	2.41	0.04	24	13
Newell	41	-2	65	24	0.00	5.03	1.03	0.38	0.52	24	6
Timber Lake	43	2	61	25	0.00	6.15	0.48	0.58	-0.13	31	19
North Central											
Aberdeen	46	5	65	24	0.00	8.48	0.01	2.81	-0.60	49	39
Faulkton	46	4	64	26	0.00	8.64	0.05	3.22	-0.57	40	12
Mobridge	44	2	62	24	0.00	6.63	0.31	1.66	-0.21	42	30
Roscoe	44	6	63	28	0.00	9.70	0.19	4.14	-0.42	43	40
Northeast											
Britton	44	4	62	20	0.01	9.90	0.01	4.41	-0.52	45	31
Clear Lake	45	5	64	26	0.00	15.44	0.03	7.61	-0.72	52	50
Sisseton	47	6	63	28	0.02	14.25	0.04	7.37	-0.63	52	46
Watertown	45	5	61	23	0.01	10.59	0.01	4.36	-0.65	43	42
Webster	45	6	61	27	0.00	10.22	0.00	4.20	-0.58	67	66
West Central											
Faith	42	1	64	23	0.00	5.11	0.70	-0.09	0.14	37	19
Milesville	44	0	62	21	0.05	9.47	0.70	3.96	0.14	35	8
Philip	45	3	63	28	0.21	6.29	0.48	1.72	-0.07	37	7
Rapid City	41	-1	64	25	0.42	4.42	0.96	-0.35	0.41	20	2
Spearfish	43	1	56	25	0.15	8.67	1.15	1.45	0.39	25	8
Central											
Chamberlain	48	5	62	29	0.20	8.79	0.30	2.19	-0.37	62	38
Highmore	45	3	63	26	0.02	6.94	0.02	0.66	-0.83	38	21
Huron	48	5	65	26	0.01	9.12	0.02	2.75	-0.75	55	38
Onida	44	3	62	25	0.00	7.98	0.15	3.02	-0.40	59	43
Pierre	46	3	63	30	0.02	8.90	0.21	3.20	-0.42	44	17
East Central											
Brookings	45	5	63	25	0.06	9.81	0.06	4.08	-0.60	45	41
Forestburg	49	4	65	29	0.06	10.20	0.06	3.35	-0.79	72	41
Madison	45	4	63	27	0.08	10.58	0.08	2.92	-0.78	59	53
Mitchell	49	4	64	26	0.06	10.16	0.06	3.01	-0.79	64	30
Sioux Falls	46	4	64	26	0.43	11.71	0.43	4.19	-0.45	60	37
Southwest											
Custer	34	-5	50	22	0.50	4.49	1.45	0.39	0.86	1	-5
Hot Springs	42	-2	61	23	0.84	7.60	1.81	3.16	1.24	41	0
Oelrichs	42	-1	62	26	1.21	8.12	1.98	3.05	1.41	35	1
Porcupine	43	43	64	19	0.51	10.76	1.00	5.90	0.42	35	6
South Central											
Kennebec	47	2	63	25	0.28	8.22	0.51	3.15	-0.14	58	15
Mission	44	2	61	28	0.21	7.34	0.50	1.85	-0.31	39	24
Murdo	46	3	62	27	0.34	9.36	0.80	3.08	0.07	42	20
Winner	47	1	62	28	0.25	7.27	0.32	0.08	-0.42	50	8
Southeast											
Armour	47	1	63	26	0.16	7.92	0.16	0.34	-0.68	51	8
Centerville	46	2	65	23	0.40	9.77	0.40	2.67	-0.38	66	44
Pickstown	48	3	65	32	0.05	8.51	0.07	1.73	-0.84	69	40
Vermillion	49	1	67	26	0.28	10.26	0.28	2.74	-0.57	91	43
Yankton	47	3	65	22	0.69	13.17	0.69	6.03	-0.11	81	48

DATA AND MAP SOURCE: State Climate Office of South Dakota