

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Field work continues to be delayed by wet field conditions with only 1.7 days suitable for fieldwork in the past seven days. Small grain seeding is slowly progressing, but is still well behind last year and the five year averages. Producers continue to prepare equipment and supplies for planting in hopes of being able to get into the fields soon. Farm activities included caring for livestock, calving and lambing.

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

WEATHER INFORMATION

After a warm early start to the week, temperatures cooled bringing along temperatures to below freezing over the whole state and even into the teens in some places. The colder temperatures accompanied a very significant late spring snow across much of the central and northern parts of the state where over 10 inches of snow fell in widespread locations. Nearly the whole state had above average precipitation for the week. The only drier locations were across the far west and a couple stations in the east central. Yankton had the largest total for the week at 2.72 inches. Mitchell and Vermillion also had over 2 inches for the week. Webster received the least at 0.08 inch, one of six stations with less than 0.25 inch on the week.

Average temperatures ranged from the upper 30's F in the north central and northeast to 40's F across the rest of the state. Daily temperatures reached the low to upper 70's with the warmest daily highs actually in the southeast part of the state. Pickstown had the highest daily temperature at 80° F. Eleven stations had temperatures reaching the teens for lows. Highmore had the lowest temperature at 13° F. Growing degree day accumulation has lagged because of the cooler temperatures.

SOIL CONDITION

Soil temperatures at the 4 inch depth, at best held steady, while retrenching in several areas with the cold conditions. Most of the state stayed in the 40's F; northeastern areas were still in the 30's F. Caputa had the warmest soil temperature at 45° F; South Shore remained the lowest at 33° F.

FIELD CROPS REPORT

Spring wheat, oats and barley all made slight advances in the percent planted over the last week, but are still well behind last year's progress. Spring wheat planting is estimated at only 8 percent for the state, compared to 32 percent last year and 24 percent for the five-year average. Nine percent of the oats has been planted, down from 37 percent for last year. Five percent of the barley has been planted, compared to 13 percent last year and 10 percent for the five-year average. The percent of winter wheat breaking dormancy continues to be slow with 80 percent of winter wheat that has broken dormancy, behind last year's 94 percent. Winter wheat condition is 1 percent poor, 33 percent fair, 57 percent good, and 9 percent excellent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Cold temperatures and wet field conditions are starting to cause some problems for livestock producers who are calving and lambing. Feed supplies are rated at 92 percent adequate to surplus, up slightly from last year's 90 percent. Stock water supplies are also in good shape with 100 percent in the adequate to surplus categories, up only 3 percentage points from last year. Despite the cold wet weather, livestock condition continues to remain mostly in the good to excellent range. Cattle are rated 82 percent in good to excellent condition. Calving is 61 percent complete compared to 65

percent a year ago and 9 percent of cattle have been moved to pasture. Sheep are rated 83 percent in good to excellent condition. Lambing is 62 percent complete compared to 79 percent last year.

Feed and Water Supplies Comparison as of April 17, 2011

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	1	3	0	2	8
Short	7	9	13	0	1	9
Adequate	85	84	79	72	74	70
Surplus	7	6	5	28	23	13

Soil Moisture Condition Comparison as of April 17, 2011

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	0	1
Short	1	2	5	4	4	1
Adequate	48	55	74	56	55	71
Surplus	51	43	21	40	41	27

Crop and Livestock Conditions as of April 17, 2011

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	0	1	33	57	9
Cattle	1	2	15	73	9
Sheep	0	2	15	70	13
Range & Pasture	4	8	26	54	8

Crop Progress as of April 17, 2011 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	80	62	94	87
Boot	0	0	0	0
Barley				
Seeded	5	3	13	10
Emerged	0	0	1	1
Oats				
Seeded	9	3	37	22
Emerged	0	0	3	4
Spring Wheat				
Seeded	8	5	32	24
Emerged	0	0	3	4
Corn				
Planted	0	0	3	1

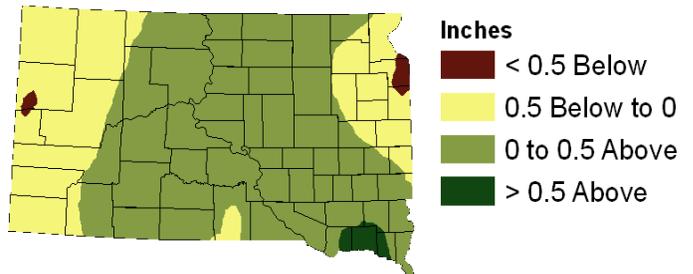
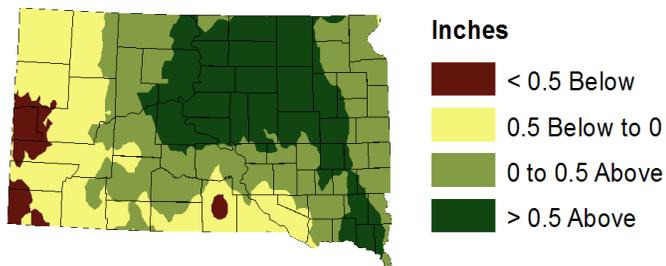
¹ Percents represent all acreage in or beyond each stage.

Average Soil Temperatures Week Ending April 17, 2011 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	35	Nisland	43
Beresford	40	Oacoma	44
Bowdle	41	Parkston	42
Brookings	39	Pierre	42
Caputa	45	Redfield	41
Cottonwood	43	South Shore	33

PAST 30 DAYS
Accumulated Precip Deviation from Average
From March 19 to April 17, 2011

GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to April 17, 2011



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, April 17, 2011

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		
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
Northwest											
Bison	42	-3	65	23	0.52	5.05	0.64	-0.71	-0.46	57	-23
Buffalo	43	0	67	25	0.25	4.02	0.36	-0.35	-0.32	45	-34
Dupree	42	-2	67	20	0.80	7.29	1.25	1.90	0.32	56	-38
McIntosh	39	-5	61	22	0.90	4.91	1.01	0.30	0.18	28	-54
Newell	42	-2	66	21	0.19	4.86	0.20	-0.25	-0.61	62	-26
Timber Lake	40	-5	68	16	0.53	7.06	0.96	1.10	-0.04	47	-35
North Central											
Aberdeen	40	-4	65	22	1.32	7.71	1.43	1.68	0.46	44	-35
Faulkton	40	-4	66	18	0.91	5.91	0.93	0.85	-0.02	33	-56
Mobridge	39	-5	67	15	0.97	6.96	1.75	1.04	0.98	44	-33
Roscoe	37	-5	65	19	0.79	8.10	1.04	2.11	0.00	35	-33
Northeast											
Britton	40	-4	64	26	0.81	8.66	0.85	2.75	-0.01	31	-49
Clear Lake	41	-2	71	25	0.20	8.72	0.43	0.45	-0.78	35	-37
Sisseton	40	-4	69	28	0.27	9.91	0.75	2.50	-0.35	39	-37
Watertown	40	-2	71	25	0.30	9.10	0.31	2.50	-0.67	34	-34
Webster	37	-6	67	23	0.08	11.08	0.23	4.69	-0.72	29	-39
West Central											
Faith	42	-3	66	25	0.44	6.15	0.85	0.12	-0.02	51	-39
Milesville	42	-5	68	21	1.12	6.18	1.60	0.30	0.67	80	-20
Philip	38	-7	64	19	0.50	5.19	0.77	0.20	-0.06	57	-43
Rapid City	43	-1	66	25	0.32	4.60	0.63	-0.55	-0.23	75	-18
Spearfish	47	2	65	28	0.13	6.40	0.40	-1.31	-0.85	68	-12
Central											
Chamberlain	42	-3	72	23	1.54	5.60	1.56	-1.42	0.43	64	-39
Highmore	39	-6	64	13	0.70	4.07	0.75	-2.46	-0.52	39	-61
Huron	42	-3	75	22	1.40	8.17	1.42	1.36	0.27	54	-32
Onida	38	-6	66	16	0.61	6.90	0.92	0.14	-0.08	45	-52
Pierre	40	-6	68	17	1.38	8.26	1.62	2.18	0.66	61	-37
East Central											
Brookings	41	-3	73	26	0.34	6.65	0.46	0.49	-0.63	38	-23
Forestburg	42	-3	76	22	1.60	7.68	1.64	0.19	0.25	60	-42
Madison	40	-4	74	23	1.18	6.77	1.57	-1.21	0.18	43	-33
Mitchell	42	-4	79	23	2.01	7.66	2.05	0.13	0.61	65	-25
Sioux Falls	43	-2	75	28	1.51	7.33	1.55	-0.71	0.22	63	-24
Southwest											
Custer	37	-3	55	22	0.65	6.51	0.72	0.74	-0.22	30	-28
Hot Springs	44	-2	64	24	0.22	4.64	0.54	-0.19	-0.42	99	-22
Oelrichs	41	-4	63	24	0.22	3.35	0.63	-1.87	-0.33	76	-39
Porcupine	41	-3	65	19	0.99	8.11	1.45	2.88	0.50	84	-30
South Central											
Kennebec	42	-6	67	17	0.94	5.37	1.20	-0.11	0.14	78	-40
Mission	40	-5	64	19	1.41	6.53	1.52	0.80	0.49	65	-22
Murdo	41	-5	65	24	1.06	6.81	1.30	0.06	0.10	63	-40
Winner	42	-6	70	20	0.90	4.65	0.91	-0.87	-0.41	72	-50
Southeast											
Academy	42	-3	78	25	1.37	4.38	1.39	-2.84	0.03	60	-47
Centerville	44	-2	77	27	1.71	6.50	1.74	-0.11	0.55	67	-24
Pickstown	45	-2	80	28	1.61	7.36	1.61	0.08	0.18	89	-15
Vermillion	46	-3	77	28	2.54	7.26	2.57	-0.80	1.13	102	-26
Yankton	45	-2	78	30	2.72	9.30	2.72	1.68	1.44	83	-17

DATA AND MAP SOURCE: State Climate Office of South Dakota