

South Dakota Weekly Crop Weather Report

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FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

Moisture is the topic of conversation for the past week. Most areas across the state are anxiously awaiting precipitation to assist in the germination for newly planted small grains and to keep pastures green for the livestock. Major activities last week included; planting of small grains, preparing equipment and fields for the planting of row crops, applying fertilizers and chemicals, caring for livestock, calving and lambing.

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

WEATHER INFORMATION

Very warm and generally dry conditions covered the state last week continuing to push perennial development and dry out and warm soils across the state, according to the State Climate Office of South Dakota.

Temperatures across the state continued their huge trend of warmer than average conditions. Average temperatures ranged from the upper 40°s F in the north to the lower 60°s F in the southeast. These temperatures were from 10° F to over 20° F above average. Mitchell had the highest daily temperature at 94° F; Mobridge had the lowest temperature at 24° F. The overall warmth since February has pushed emergence and development of crops and plants. Usually this report accumulates GDDs starting on April 1. This year we have accumulated over 200 GDD's since March 1 in many places across the state. That total is an average number for about one month from now.

Precipitation was rather limited during the week with two stations above 0.5 inch. Chamberlain had the most for the week at 0.77 inch. Large parts of the state had little to no precipitation. Ten stations were on the lowest end reporting no precipitation for the week. The US Drought Monitor map increased the area of D1 (Moderate Drought) and some areas of D0 (Abnormally Dry) across the western part of the state in response to the continuing dry and warm conditions.

SOIL CONDITION

Soil temperatures rebounded with the late week warmth across the state bouncing back to near 50° F or well above in the central part of the state. Bowdle had the low 4 inch soil temperature at 44° F; Oacoma was the warmest at 61° F. Topsoil moisture is rated at 47 percent in adequate to surplus, 45 percent short and 8 percent very short. Subsoil moisture is rated at 57 percent adequate to surplus, 38 percent short, and 5 percent very short.

FIELD CROPS REPORT

The need for precipitation continues this week, as producers start planting of small grains and prepare for planting of row crops. Nearly all of the winter wheat has broken dormancy at 97 percent, with 7 percent of acreage lost to winter kill. Winter wheat condition is rated at 1 percent very poor, 17 percent poor, 30 percent fair, and 52 percent in good to excellent condition; compared to only 49 percent in the good to excellent condition for last week's publication for the month ending March 25th. Planting of barley, oats and spring wheat are at 8 percent, 16 percent, and 25 percent, respectively. Oats are reported at 2 percent emerged and spring wheat at 3 percent emerged, as of April 1, 2012.

LIVESTOCK, PASTURE, AND RANGE REPORT

Conditions remain ideal for livestock, with the calving and lambing seasons in full swing. Cattle are rated 97 percent in good to excellent condition. Calving was at 41 percent complete as of April 1st. Cattle moved to pasture is rated at 7 percent complete. Sheep are rated 97 percent in good to

excellent condition. Lambing was at 52 percent complete as of April 1st. Stock water supplies are 92 percent adequate to surplus and feed supplies are 98 percent adequate to surplus, both ahead of the 5-year averages of 86 percent for stock water supplies and 84 percent for feed supplies. Range and pasture conditions are rated 55 percent good to excellent, 40 percent fair and 5 percent poor.

Feed and Water Supplies Comparison as of April 1, 2012

Rating	Feed Supplies			Stock Water Supplies		
	This Week	Last Year	5 Yr. Avg.	This Week	Last Year	5 Yr. Avg.
Very Short	0	1	4	1	0	6
Short	2	7	12	7	1	8
Adequate	87	83	77	89	76	69
Surplus	11	9	7	3	23	17

Soil Moisture Condition Comparison as of April 1, 2012

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
Very Short	8	7	0	5	4	0
Short	45	43	2	38	40	4
Adequate	44	48	54	54	55	57
Surplus	3	2	44	3	1	39

Crop and Livestock Conditions as of April 1, 2012

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	17	30	45	7
Cattle	0	0	3	72	25
Sheep	0	0	3	63	34
Range & Pasture	0	5	40	45	10

Crop Progress as of April 1, 2012 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	97	NA	29	65
Barley				
Seeded	8	0	0	1
Emerged	0	0	0	0
Oats				
Seeded	16	0	0	1
Emerged	2	0	0	0
Spring Wheat				
Seeded	25	0	1	2
Emerged	3	0	0	0

¹ Percents represent all acreage in or beyond each stage.

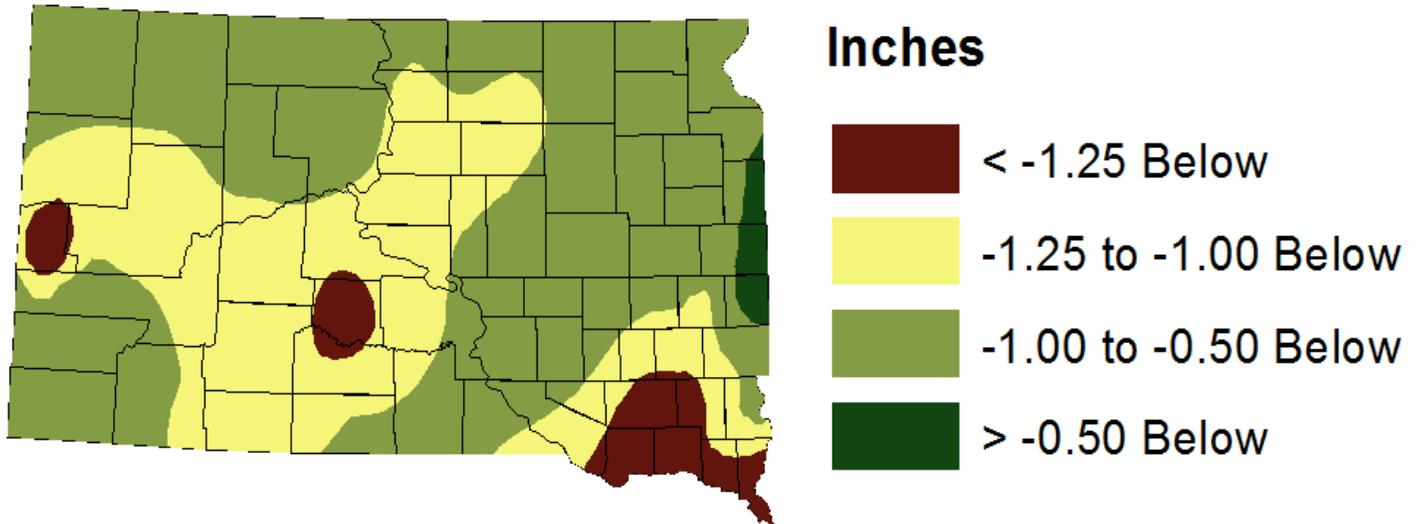
Average Soil Temperatures Week Ending April 1, 2012 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	48	Nisland	48
Beresford	52	Oacoma	61
Bowdle	44	Parkston	51
Brookings	50	Pierre	59
Caputa	49	Redfield	50
Cottonwood	57	South Shore	49

PAST 30 DAYS

Accumulated Precip Deviation from Average

From March 3 to April 1, 2012



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, April 1, 2012

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	49	12	76	29	0.40	3.20	0.00	-1.50	-0.06	17	14
Buffalo	51	15	80	29	0.00	2.34	0.00	-2.08	-0.04	16	13
Dupree	56	19	88	28	0.28	2.76	0.00	-1.74	-0.05	18	15
McIntosh	49	12	77	26	0.31	2.30	0.00	-1.60	-0.04	19	16
Newell	51	13	75	28	0.19	2.12	0.00	-1.99	-0.04	18	15
Timber Lake	56	19	90	28	0.35	2.91	0.00	-2.08	-0.05	18	15
North Central											
Aberdeen	50	13	76	26	0.05	3.11	0.00	-1.98	-0.05	15	13
Faulkton	50	14	78	44	0.00	2.68	0.00	-2.81	-0.06	18	16
Mobridge	50	13	77	24	0.04	3.24	0.00	-2.14	-0.04	19	16
Roscoe	49	15	77	29	0.03	2.42	0.00	-2.57	-0.05	14	11
Northeast											
Britton	48	12	69	29	0.29	3.48	0.00	-1.57	-0.04	14	12
Clear Lake	48	14	75	28	0.52	4.45	0.00	-2.70	-0.07	13	11
Sisseton	46	10	79	29	0.48	3.70	0.00	-2.64	-0.06	9	7
Watertown	50	15	77	28	0.26	2.83	0.00	-2.82	-0.06	12	10
Webster	52	17	75	33	0.25	2.92	0.00	-2.56	-0.05	9	7
West Central											
Faith	53	15	79	31	0.44	2.44	0.00	-2.81	-0.05	18	15
Milesville	59	19	91	28	0.00	2.43	0.00	-2.55	-0.04	19	15
Philip	55	16	83	26	0.00	1.59	0.00	-2.66	-0.05	18	15
Rapid City	54	15	83	29	0.01	3.12	0.00	-1.15	-0.05	18	14
Spearfish	55	16	76	32	0.18	3.91	0.00	-2.59	-0.05	18	16
Central											
Chamberlain	58	20	84	34	0.77	6.65	0.00	0.81	-0.05	19	15
Highmore	51	15	79	30	0.00	3.60	0.00	-1.52	-0.07	18	14
Huron	54	16	82	30	0.19	0.71	0.00	0.25	-0.07	19	16
Onida	53	15	80	29	0.00	6.11	0.00	0.55	-0.05	18	14
Pierre	54	15	81	29	0.00	3.90	0.00	-1.19	-0.05	18	14
Wessington Spr.	54	14	79	32	0.12	5.16	0.00	-1.09	-0.07	15	11
East Central											
Brookings	50	14	81	31	0.19	3.61	0.00	-2.77	-0.06	18	16
Madison	53	17	79	34	0.28	4.10	0.00	-2.53	-0.07	18	15
Mitchell	62	23	94	36	0.01	5.55	0.00	-0.38	-0.07	19	16
Sioux Falls	55	18	83	34	0.02	5.24	0.00	-1.43	-0.08	18	15
Southwest											
Custer	49	13	71	26	0.26	2.84	0.00	-2.06	-0.06	12	10
Hot Springs	57	17	84	31	0.22	2.77	0.00	-1.13	-0.05	17	12
Oelrichs	55	15	84	25	0.12	2.66	0.00	-1.63	-0.05	17	12
Porcupine	59	20	84	32	0.00	3.21	0.00	-1.10	-0.05	17	12
South Central											
Kennebec	61	20	92	29	0.07	4.35	0.00	-0.10	-0.05	18	13
Mission	55	17	82	25	0.03	3.95	0.00	-0.79	-0.05	16	13
Murdo	57	18	82	33	0.00	2.68	0.00	-2.91	-0.07	17	13
Winner	59	17	87	33	0.19	4.68	0.00	-1.65	-0.07	18	13
Southeast											
Academy	56	18	84	34	0.10	5.31	0.00	-0.11	-0.07	16	11
Centerville	58	19	85	34	0.05	4.50	0.00	-1.86	-0.07	18	15
Pickstown	60	19	88	38	0.05	3.66	0.00	-2.23	-0.07	20	16
Vermillion	62	19	88	37	0.05	4.38	0.00	-2.28	-0.08	18	13
Yankton	59	19	85	39	0.00	6.02	0.00	-0.36	-0.07	18	14

DATA AND MAP SOURCE: State Climate Office of South Dakota