

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Little field work was done last week as farmers waited for the fields to dry across areas of the state. There were 2.6 days suitable for field work this past week. Major activities last week included; field work between rains, fixing fence lines, lining up seed delivery, 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

Conditions returned closer to the seasonal average across the state for the week compared to much warmer temperatures early in the spring, according to the State Climate Office of South Dakota. More rainfall also covered much of the state helping overcome some shorter and longer term precipitation deficits.

More seasonal temperatures kept averages (mostly in the 40's) within a few degrees of average across the state. The north and east were below average while the south and west were above average. The high for the week was 76° F at Philip and Vermillion. The coldest temperature was 24° F at Custer. Growing degree days since April 1 are well above average in all but the northeast part of the state. These accumulations should take into account the large number of GDDs accumulated during March before the official accumulation period.

Precipitation amounts were heavier in parts of south central and northeast South Dakota. Conditions were generally drier in the far west. Four locations received over 2 inches of precipitation with another 15 stations over an inch. Sisseton had the largest total for the week at 3.11 inches. The far west in contrast had over 10 stations with less than a half inch. Custer had the lowest total at 0.06 inch. The additional precipitation helped to reduce some levels of drought with large areas of D0 (Abnormally Dry) and some D1 and D2 (Moderate and Severe Drought categories) being removed from the US Drought Monitor map across central and eastern South Dakota.

SOIL CONDITION

Soil temperatures increased slightly across the state with all stations within a few degrees below or above 50° F. Bowdle had the low 4 inch soil temperature at 46° F; Oacoma was the warmest at 59° F. Topsoil moisture is rated at 89 percent adequate to surplus, and 11 percent short. Subsoil moisture is rated at 73 percent adequate to surplus, 25 percent short, and 2 percent very short.

FIELD CROPS REPORT

Winter wheat conditions continued to improve this week with ratings at 5 percent poor, 35 percent fair, and 60 percent in good to excellent condition; compared to 15 percent poor and 58 percent in the good to excellent condition last week. Winter wheat is at 8 percent boot for the week ending April 22nd. Barley is at 70 percent seeded with 35 percent emerged, up 13 percentage points from last week's emerged estimate. Oat conditions are rated at 17 percent fair and 83 percent good to excellent. Oats are reported at 81 percent planted and 58 percent emerged, up 15 percentage points from last week's emerged estimate. Spring wheat conditions are rated at 13 percent poor, 19 percent fair and 68 percent good to excellent. Spring wheat is at 91 percent planted and 64 percent emerged, up 16 percentage points from last week's emerged estimate. Corn is at 8 percent planted as of April 22nd.

LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle are rated 94 percent in good to excellent condition down 1 percentage point from last week. Calving was at 74

percent complete as of April 22nd. Cattle moved to pasture is rated at 26 percent complete. Sheep are rated 94 percent in good to excellent condition. Lambing was at 80 percent complete as of April 22nd. Stock water supplies are 94 percent adequate to surplus and feed supplies are 97 percent adequate to surplus. Range and pasture conditions are rated 66 percent good to excellent, 30 percent fair and 4 percent poor, compared to 58 percent good to excellent last week.

Feed and Water Supplies Comparison as of April 22, 2012

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	0	0	4	0	0	5
Short	3	8	13	6	0	7
Adequate	88	84	77	88	67	68
Surplus	9	8	6	6	33	20

Soil Moisture Condition Comparison as of April 22, 2012

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	8	0	2	8	0
Short	11	18	2	25	29	4
Adequate	78	70	42	68	61	50
Surplus	11	4	56	5	2	46

Crop and Livestock Conditions as of April 22, 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	0	5	35	48	12
Spring Wheat	0	13	19	59	9
Oats	0	0	17	70	13
Cattle	0	1	5	71	23
Sheep	0	0	6	66	28
Range & Pasture	0	4	30	53	13

Crop Progress as of April 22, 2012 ¹

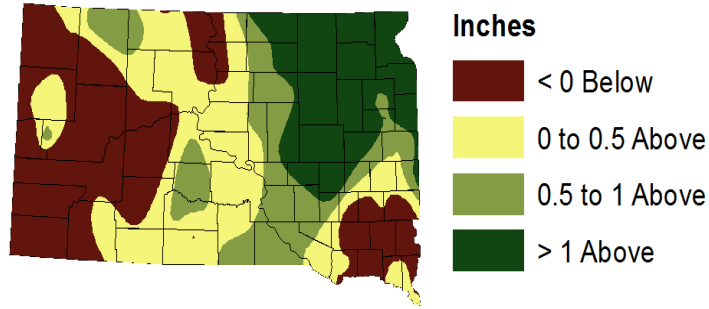
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Boot	8	5	0	0
Barley				
Seeded	70	60	7	16
Emerged	35	22	0	1
Oats				
Seeded	81	80	14	29
Emerged	58	43	1	6
Spring Wheat				
Seeded	91	83	9	30
Emerged	64	48	1	7
Corn				
Planted	8	4	0	3

¹ Percents represent all acreage in or beyond each stage.

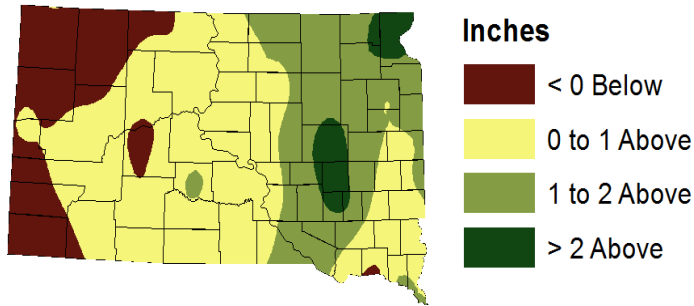
Average Soil Temperatures Week Ending April 22, 2012 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	49	Nisland	47
Beresford	50	Oacoma	59
Bowdle	46	Parkston	50
Brookings	48	Pierre	53
Caputa	49	Redfield	50
Cottonwood	55	South Shore	48

PAST 30 DAYS
Accumulated Precip Deviation from Average
From March 24 to April 22, 2012



GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to April 22, 2012



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, April 22, 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			Since April 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>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	
Northwest												
Bison	44	-3	68	31	0.45	3.89	0.69	-2.20	-0.76	94	2	
Buffalo	46	2	66	30	0.07	3.03	0.69	-2.38	-0.34	119	29	
Dupree	46	0	70	29	0.27	4.61	1.85	-1.10	0.59	124	18	
McIntosh	45	-1	67	27	0.64	3.36	1.06	-1.66	-0.10	91	-3	
Newell	47	1	69	30	0.16	3.01	0.89	-2.19	-0.24	129	31	
Timber Lake	46	-1	67	28	0.43	4.33	1.42	-1.96	0.07	123	30	
North Central												
Aberdeen	45	-2	65	27	1.36	5.76	2.65	-0.55	1.38	104	14	
Faulkton	45	-2	65	25	1.16	4.73	2.05	-2.09	0.66	109	7	
Mobridge	46	0	69	30	1.05	4.70	1.46	-1.75	0.35	111	23	
Roscoe	44	-1	64	30	0.93	4.87	2.45	-1.48	1.04	96	19	
Northeast												
Britton	45	-1	63	29	2.16	6.40	2.92	0.23	1.76	84	-9	
Clear Lake	43	-2	62	30	1.85	7.58	3.13	-1.11	1.52	92	8	
Sisseton	46	0	61	31	3.11	7.55	3.85	0.03	2.61	91	3	
Watertown	44	0	62	30	1.26	5.10	2.27	-1.88	0.88	83	5	
Webster	45	0	61	28	2.10	6.13	3.21	-0.56	1.95	73	-6	
West Central												
Faith	46	-2	69	31	1.02	3.90	1.46	-2.50	0.26	134	31	
Milesville	48	-1	74	28	0.27	3.43	1.00	-2.78	-0.27	153	40	
Philip	48	1	76	30	0.93	2.70	1.11	-2.68	-0.07	154	41	
Rapid City	47	1	70	30	0.89	5.36	2.24	-0.10	1.00	137	33	
Spearfish	49	2	67	31	0.54	5.93	2.02	-2.20	0.34	146	58	
Central												
Chamberlain	50	3	68	36	0.99	8.60	1.95	1.21	0.35	139	24	
Highmore	45	-2	64	32	1.27	6.17	2.57	-0.67	0.78	100	-10	
Huron	47	-1	67	32	2.59	5.02	4.31	3.00	2.68	126	28	
Onida	46	0	66	30	1.03	7.71	1.60	0.86	0.26	123	13	
Pierre	47	-1	67	31	1.69	6.02	2.12	-0.38	0.76	130	18	
Wessington Spr.	45	-4	67	33	1.88	8.82	3.66	0.82	1.84	118	2	
East Central												
Brookings	45	-1	64	31	0.85	5.62	2.01	-2.14	0.57	109	38	
Madison	46	-1	68	29	0.93	6.46	2.36	-1.94	0.52	125	38	
Mitchell	49	1	72	34	1.76	9.93	4.38	2.17	2.48	142	39	
Sioux Falls	49	2	72	28	0.58	7.07	1.83	-1.38	-0.03	143	44	
Southwest												
Custer	41	-1	61	24	0.06	3.24	0.40	-2.97	-0.97	63	-1	
Hot Springs	49	2	71	27	0.13	3.26	0.49	-1.90	-0.82	183	49	
Oelrichs	48	1	74	27	0.22	3.41	0.75	-2.14	-0.56	164	36	
Porcupine	46	0	72	27	0.82	5.09	1.88	-0.47	0.58	152	26	
South Central												
Kennebec	50	0	68	29	0.19	6.25	1.90	0.43	0.48	169	36	
Mission	48	2	71	28	0.16	5.60	1.65	-0.50	0.24	138	40	
Murdo	48	0	69	33	1.30	5.63	2.95	-1.49	1.35	134	19	
Winner	50	0	71	38	0.80	6.01	1.33	-2.02	-0.44	156	20	
Southeast												
Academy	48	1	72	34	1.37	8.36	3.05	1.17	1.21	141	22	
Centerville	50	1	74	32	0.74	6.04	1.54	-1.84	-0.05	131	26	
Pickstown	51	2	74	38	1.73	7.07	3.41	-0.68	1.48	181	65	
Vermillion	55	3	76	32	1.88	7.95	3.57	-0.56	1.64	214	69	
Yankton	51	2	75	34	0.72	7.57	1.55	-0.47	-0.18	163	49	

DATA AND MAP SOURCE: State Climate Office of South Dakota