

South Dakota Weekly Crop Weather Report

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For Week Ending April 15, 2012
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AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

The arrival of a widespread spring rain was welcomed across the state, improving wheat and livestock conditions, as well as the outlook for germination of recently planted crops. There were 4.9 days suitable for field work this past week. 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 cold temperatures early in the week and rain over the weekend were the major topics impacting agriculture during the week, according to the State Climate Office of South Dakota. Early week temperatures fell well below freezing reaching the low 20's and teens in the northern part of the state. These conditions were in strong contrast to very warm temperatures over the last several weeks. Average temperatures were in the 40's statewide. These averages were up to 5° F above average across western and southern parts of the state. Areas in the north central to northeast were near to slightly below average. These are the first below average temperatures anywhere in the state in several weeks. The high for the week was 76° F at Buffalo. The coldest temperature was 13° F at Mobridge.

The second major story was precipitation. Several consecutive days of intermittent rain ended the week and covered the weekend. Many places received well over an inch. (Note: some larger totals did occur. Precipitation carried over after the end of the observing time for the week). Nearly half the stations reported over an inch. The highest total through early Sunday was Wessington Springs at 1.78 inches. Bison had the lowest total at 0.10 inch. The rain was very welcomed and will help reduce soil moisture deficits. Shorter term and longer term precipitation deficits are still apparent in many areas of the state.

SOIL CONDITION

Soil temperatures were slightly cooler due to lower temperatures and added moisture across the state. Bowdle had the low 4 inch soil temperature at 43° F; Oacoma was the warmest at 55° F. Top soil moisture is rated at 74 percent in adequate to surplus, 18 percent short and 8 percent very short. Sub soil moisture is rated at 63 percent adequate to surplus, 29 percent short, and 8 percent very short.

FIELD CROPS REPORT

Recent precipitation helped improve winter wheat conditions rated at 15 percent poor, 27 percent fair, and 58 percent in good to excellent condition; compared to 10 percent very poor and 48 percent in good to excellent condition last week. Winter wheat is at 5 percent boot for the week ending April 15th. Barley is at 60 percent seeded, up 33 percentage points from last week, with 22 percent emerged. Oats are reported at 80 percent planted and 43 percent emerged. Spring wheat is at 83 percent planted and 48 percent emerged. Corn is at 4 percent planted as of April 15th.

LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle are rated 95 percent in good to excellent condition up 3 percentage points from last week. Calving was at 64 percent complete as of April 15th. Cattle moved to pasture is rated at 19 percent complete. Sheep are also rated 95 percent in good to excellent condition. Lambing was at 70 percent complete as

of April 15th. Stock water supplies are 92 percent adequate to surplus and feed supplies are 98 percent adequate to surplus. Range and pasture conditions are rated 58 percent good to excellent, 36 percent fair and 6 percent poor, compared to 52 percent good to excellent last week.

Feed and Water Supplies Comparison as of April 15, 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	1	3	1	0	6
Short	2	7	14	7	0	6
Adequate	90	85	78	90	72	70
Surplus	8	7	5	2	28	18

Soil Moisture Condition Comparison as of April 15, 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	8	12	0	8	9	0
Short	18	46	1	29	39	4
Adequate	70	40	48	61	49	56
Surplus	4	2	51	2	3	40

Crop and Livestock Conditions as of April 15, 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	15	27	48	10
Cattle	0	0	5	72	23
Sheep	0	0	5	66	29
Range & Pasture	0	6	36	49	9

Crop Progress as of April 15, 2012 ¹

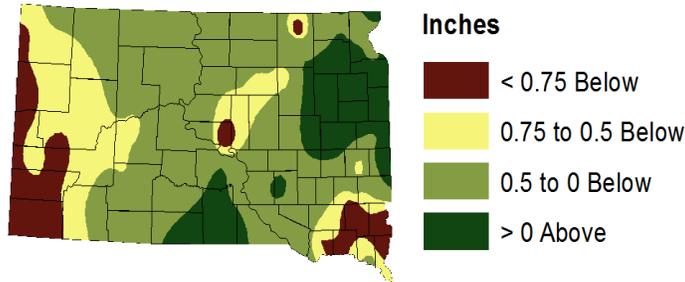
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Boot	5	2	0	0
Barley				
Seeded	60	27	4	6
Emerged	22	1	0	0
Oats				
Seeded	80	50	7	12
Emerged	43	16	0	1
Spring Wheat				
Seeded	83	52	7	13
Emerged	48	25	0	1
Corn				
Planted	4	2	0	1

¹ Percents represent all acreage in or beyond each stage.

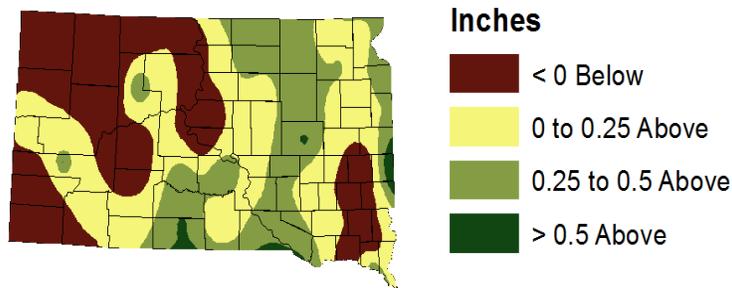
Average Soil Temperatures Week Ending April 15, 2012 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	47	Nisland	46
Beresford	49	Oacoma	55
Bowdle	43	Parkston	48
Brookings	48	Pierre	52
Caputa	48	Redfield	46
Cottonwood	54	South Shore	47

PAST 30 DAYS
Accumulated Precip Deviation from Average
From March 17 to April 15, 2012



GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to April 15, 2012



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, April 15, 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	43	0	67	20	0.10	3.44	0.24	-2.15	-0.71	73	23
Buffalo	45	3	76	23	0.42	2.96	0.62	-2.08	-0.04	89	39
Dupree	43	-1	69	17	1.40	4.34	1.58	-0.92	0.77	99	40
McIntosh	43	0	66	43	0.37	2.72	0.42	-1.84	-0.28	73	23
Newell	47	4	72	22	0.51	2.85	0.73	-1.93	0.02	95	38
Timber Lake	44	0	68	20	0.97	3.90	0.99	-1.90	0.13	98	48
North Central											
Aberdeen	42	-1	67	15	1.27	4.40	1.29	-1.49	0.44	83	35
Faulkton	43	-1	62	14	0.86	3.57	0.89	-2.76	-0.01	87	30
Mobridge	44	1	67	13	0.38	3.65	0.41	-2.40	-0.30	89	42
Roscoe	42	1	64	20	1.51	3.94	1.52	-1.90	0.62	77	33
Northeast											
Britton	42	-1	70	18	0.76	4.24	0.76	-1.51	0.02	66	18
Clear Lake	42	0	70	18	1.25	5.73	1.28	-2.40	0.23	69	25
Sisseton	43	0	70	18	0.74	4.44	0.74	-2.59	-0.01	60	15
Watertown	41	1	68	17	0.99	3.84	1.01	-2.65	0.11	62	22
Webster	43	1	67	22	1.06	4.03	1.11	-2.22	0.29	56	16
West Central											
Faith	45	0	70	21	0.27	2.88	0.44	-3.07	-0.31	108	51
Milesville	48	3	73	21	0.67	3.16	0.73	-2.58	-0.07	116	52
Philip	47	3	73	19	0.18	1.77	0.18	-3.19	-0.58	111	44
Rapid City	48	5	73	27	0.94	4.47	1.35	-0.54	0.56	100	39
Spearfish	49	4	74	24	1.29	5.39	1.48	-2.14	0.40	110	59
Central											
Chamberlain	49	5	69	25	0.96	7.61	0.96	0.80	-0.06	108	40
Highmore	44	0	65	22	1.30	4.90	1.30	-1.31	0.14	80	18
Huron	45	0	64	20	1.72	2.43	1.72	0.97	0.65	90	37
Onida	44	0	66	19	0.57	6.68	0.57	0.29	-0.31	85	23
Pierre	47	1	68	21	0.43	4.33	0.43	-1.58	-0.44	101	38
Wessington Spr.	46	0	68	26	1.78	6.94	1.78	-0.43	0.59	94	27
East Central											
Brookings	42	0	69	19	1.16	4.77	1.16	-2.50	0.21	81	44
Madison	43	0	61	19	1.43	5.53	1.43	-2.24	0.22	94	47
Mitchell	48	3	68	27	1.19	6.74	1.19	-0.38	-0.07	111	54
Sioux Falls	45	1	69	20	1.25	6.49	1.25	-1.33	0.02	100	47
Southwest											
Custer	41	1	62	21	0.30	3.18	0.34	-2.53	-0.53	46	9
Hot Springs	49	4	71	24	0.36	3.13	0.36	-1.54	-0.46	135	54
Oelrichs	48	4	74	22	0.22	3.19	0.53	-1.87	-0.29	123	47
Porcupine	45	2	69	19	0.90	4.27	1.06	-0.82	0.23	114	39
South Central											
Kennebec	48	1	68	17	1.71	6.06	1.71	0.74	0.79	123	46
Mission	45	2	65	20	1.46	5.44	1.49	-0.14	0.60	95	39
Murdo	49	4	68	26	1.65	4.33	1.65	-2.24	0.60	104	37
Winner	51	4	68	26	0.48	5.21	0.53	-2.19	-0.61	119	39
Southeast											
Academy	47	3	67	25	1.68	6.99	1.68	0.46	0.50	109	39
Centerville	46	1	67	19	0.80	5.30	0.80	-1.99	-0.20	93	35
Pickstown	48	2	67	26	1.68	5.34	1.68	-1.73	0.43	133	66
Vermillion	50	1	71	22	1.69	6.07	1.69	-1.77	0.43	146	61
Yankton	47	1	68	26	0.83	6.85	0.83	-0.58	-0.29	117	53

