

South Dakota Weekly Crop Weather Report



National Agricultural Statistics Service
South Dakota Field Office
P.O. Box 5068
Sioux Falls, SD 57117-5068

Cooperating with:
SOUTH DAKOTA STATE UNIVERSITY
AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

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For Week Ending April 8, 2007
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AGRICULTURAL SUMMARY

Along with rain and snow in the north central to northeast parts of the state, colder temperatures prevailed last week for the whole state resulting in only 1.0 day suitable for fieldwork. The western part of the state remains short of moisture. Farm activities focused on preparing equipment for spring fieldwork, repairing fences, early fertilizing, calving and lambing.

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

WEATHER INFORMATION

Much colder than average temperatures were the weather story of the week, according to the State Climate Office of South Dakota. Very cold average temperatures impacted the whole state with average temperatures for last week of 15 to 20° F below average being very common across much of the state. Accompanying windy conditions made the week feel more like a February day instead of early April.

One early week storm brought a snow-rain mix to northern and eastern parts of the state. Most stations north of I-90 received precipitation. The highest precipitation total was 1.10 inches in Webster. Some locations in the southern part of the state reported no precipitation during the week.

The precipitation since late March improved conditions on the most recent US Drought Monitor. All drought conditions are confined to the western part of the state with reduced severity except for the far western quarter of the state.

SOIL CONDITION

Topsoil moisture is rated at 93 percent adequate to surplus, which is better than last year's 88 percent. Meanwhile, subsoil moisture is rated at 69 percent adequate to surplus slightly below last year's 72 percent. The colder temperatures also slowed fieldwork in many places as soil temperatures fell to near freezing in the northeast part of the state. Oacoma recorded the week's highest average soil temperature at 43° F, while South Shore had the lowest at 32° F.

FIELD CROPS REPORT

This week's significantly colder than average temperatures slowed fieldwork and small grain progress. Winter wheat breaking dormancy progressed 3 percentage points to 94 percent. Also, winter wheat condition is rated at 51 percent good to excellent up from last year's 47 percent. Barley, oats and spring wheat seeding did not progress this week, but we did receive our first reports of spring wheat emergence, rated at 1 percent, right on the five-year average.

LIVESTOCK, PASTURE, AND RANGE REPORT

Stock water supplies continued to improve, rated at 72 percent adequate to surplus compared to 67 percent last week. Feed supplies are 70 percent adequate to surplus, which is slightly below the five-year average of 76 percent. Pasture and range conditions improved 2 percentage points from last week, currently rated at 69 percent fair or better. Spring calving was rated at 54 percent complete, similar to the five-year average of 53 percent. The colder temperatures and some areas receiving snowfall caused calf deaths to be rated at 6 percent above average, up from 4 percent last week. Nine percent of the cattle have been moved to pasture, which is 2 percentage points ahead of both last year and the five-year average. Sheep and lamb deaths were rated at 2 percent above average compared to 1 percent last year. Lambing was 65 percent complete, slightly ahead of the five-year average of 62 percent.

Feed and Water Supplies Comparison as of April 8, 2007

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	9	2	7	11	11	16
Short	21	4	17	17	15	23
Adequate	68	88	70	64	67	59
Surplus	2	6	6	8	7	2

Soil Moisture Condition Comparison as of April 8, 2007

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	2	3	1	6	13	10
Short	5	10	10	25	26	18
Adequate	78	74	69	58	53	61
Surplus	15	13	20	11	8	11

Crop and Livestock Conditions as of April 8, 2007

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	7	41	44	7
Cattle	0	1	21	63	15
Sheep	0	1	15	61	23
Range & Pasture	9	22	31	32	6

Crop Progress as of April 8, 2007 ¹

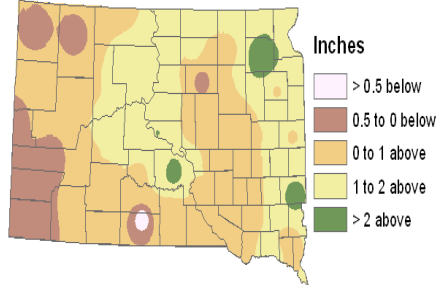
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Breaking Dormancy	94	91	83	76
Barley				
Seeded	2	2	4	9
Oats				
Seeded	4	4	11	17
Emerged	0	0	1	1
Spring Wheat				
Seeded	5	5	14	20
Emerged	1	0	2	1

¹ Percents represent all acreage in or beyond each stage.

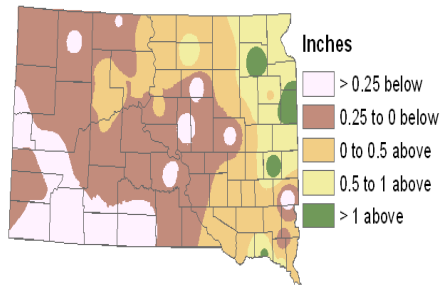
Soil Temperatures Week Ending April 8, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	37	Gettysburg	NA
Brookings	33	Nisland	38
Caputa	37	Pierre	40
Oacoma	43	Redfield	41
Cottonwood	38	South Shore	32

Accumulated Precip Departure from Normal
for Mar 10 to Apr 8, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Apr 8, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, April 8, 2007

District And Station	Temperatures Past Week				Precipitation					Growing Degree Days		
	Average	Departure From Normal	High	Low	Total			Departure From Normal		Total	Departure From Norm	
					Current Week	Since Oct. 1	Since Apr. 1	Since Oct. 1	Since Apr. 1			Since April 1
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches			
Northwest												
Bison	22	-19	39	8	0.18	2.52	0.18	-2.63	-0.30	1	-9	
Buffalo	25	-14	50	11	0.26	2.36	0.26	-1.94	-0.12	0	-2	
Dupree	24	-17	47	8	0.67	3.90	0.67	-0.96	0.27	3	-8	
McIntosh	20	-20	40	6	0.09	2.66	0.09	-1.62	-0.27	1	-7	
Newell	29	-12	53	8	0.20	3.52	0.20	-0.93	-0.16	2	-11	
Timber Lake	23	-18	44	8	0.30	4.81	0.32	-0.59	-0.12	0	-8	
North Central												
Aberdeen	20	-20	44	6	0.43	4.80	0.54	-0.70	0.10	0	-6	
Faulkton	21	-19	43	7	0.01	4.04	0.06	-1.90	-0.42	0	-8	
Mobridge	25	-15	52	10	0.41	4.37	0.64	-0.25	0.27	1	-5	
Roscoe	21	-16	49	2	0.87	5.21	1.28	-0.18	0.84	0	-1	
Northeast												
Britton	21	-19	41	7	0.60	6.00	1.10	0.66	0.72	0	-7	
Clear Lake	22	-16	41	10	0.31	8.52	2.23	0.85	1.67	0	-1	
Sisseton	20	-19	39	8	0.55	7.73	1.04	0.94	0.56	0	-3	
Watertown	23	-16	44	9	0.25	5.48	0.94	-0.57	0.46	0	-1	
Webster	19	-20	38	6	1.10	8.58	1.85	2.73	1.44	0	-1	
West Central												
Faith	24	-17	55	11	0.37	3.77	0.37	-1.34	-0.03	3	-11	
Milesville	27	-16	51	11	0.42	4.52	0.42	-0.83	0.02	7	-13	
Philip	30	-12	62	9	0.28	4.20	0.28	-0.42	-0.12	11	-12	
Rapid City	27	-14	53	1	0.00	2.49	0.00	-2.16	-0.40	2	-12	
Spearfish	26	-15	46	8	0.11	4.07	0.11	-2.93	-0.43	0	-12	
Central												
Chamberlain	30	-12	58	12	0.00	6.23	0.40	-0.05	-0.13	6	-10	
Highmore	22	-19	45	8	0.18	4.24	0.25	-1.59	-0.34	4	-9	
Huron	24	-17	50	11	0.03	5.43	0.18	-0.73	-0.38	2	-10	
Onida	22	-19	42	6	0.51	5.79	0.51	-0.25	0.05	4	-8	
Pierre	26	-17	49	14	0.24	4.40	0.25	-1.12	-0.20	4	-15	
East Central												
Brookings	24	-15	43	11	0.07	6.36	1.20	0.81	0.72	0	-2	
Forestburg	26	-17	54	11	0.00	6.45	0.62	-0.16	0.01	4	-19	
Madison	26	-14	45	12	0.05	7.62	1.94	0.41	1.32	0	-3	
Mitchell	27	-15	58	12	0.00	6.75	1.09	0.05	0.46	4	-10	
Sioux Falls	28	-13	50	14	0.02	10.13	0.13	2.85	-0.51	1	-14	
Southwest												
Custer	23	-15	53	-4	0.39	3.49	0.39	-1.69	-0.04	3	0	
Hot Springs	31	-12	65	9	0.14	2.78	0.14	-1.49	-0.26	20	-13	
Oelrichs	33	-9	67	9	0.07	2.08	0.07	-2.58	-0.33	17	-9	
Porcupine	31	-10	65	4	0.09	3.17	0.09	-1.52	-0.32	12	-11	
South Central												
Kennebec	31	-13	63	10	0.06	6.42	0.16	1.53	-0.31	16	-15	
Mission	28	-13	60	10	0.03	4.36	0.03	-0.78	-0.41	11	1	
Murdo	29	-13	59	10	0.04	5.10	0.39	-1.01	-0.17	7	-10	
Winner	30	-15	61	11	0.00	7.45	0.36	0.56	-0.23	8	-23	
Southeast												
Armour	30	-15	55	12	0.30	8.71	0.78	1.65	0.21	6	-24	
Centerville	28	-14	49	14	0.02	7.49	0.34	0.63	-0.22	4	-12	
Pickstown	32	-12	61	15	0.00	7.95	0.68	1.47	0.05	8	-14	
Vermillion	32	-14	57	15	0.10	9.66	1.20	2.40	0.56	8	-28	
Yankton	31	-12	60	15	0.04	10.60	1.69	3.70	1.13	7	-16	

DATA AND MAP SOURCE: State Climate Office of South Dakota