

South Dakota Weekly Crop Weather Report



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

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For Week Ending April 15, 2007
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AGRICULTURAL SUMMARY

Cold temperatures and some parts of the state receiving snow and rain limited fieldwork to 1.0 day suitable. 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

Very cold temperatures continued in the early part of the week with the continuation of a very cold trend that had left many daily temperatures at 20 to 25° F below average over all the state, according to the State Climate Office of South Dakota. A late week warm-up brought temperatures to well above average by the weekend with most daily temperatures reaching the 60s and 70s. This warm-up ended an extensive period of cold that had held temperatures across the state below average since about the first of April. This slowed soil warming and the accumulation of GDDs.

A mid-week storm brought more precipitation to nearly all the state. The heaviest amounts occurred in the southeast quarter of the state as several stations reported 0.8 to 0.9 of an inch of precipitation. Much of this fell as a heavy late-season snow. But the western areas of the state received less than a quarter inch, generally leaving them with continuing precipitation deficits. In the western third of the state, short term and long term deficits continue to exist as seen in the precipitation deficits since April 1 and October 1.

SOIL CONDITION

Soil temperatures were slowly responding to the warm-up. Soil temperatures at 4-inch depth were still near or below freezing in parts of the east and northeast. Oacoma recorded the week's highest average soil temperature at 44° F, while South Shore had the lowest at 31° F. Topsoil moisture is rated at 91 percent adequate to surplus, compared to last year's 87 percent. Meanwhile, subsoil moisture is rated at 66 percent adequate to surplus, below last year's 73 percent.

FIELD CROPS REPORT

This week's colder than average temperatures slowed fieldwork and small grain progress. Winter wheat breaking dormancy progressed 2 percentage points to 96 percent. Winter wheat condition is rated at 51 percent good to excellent, slightly lower than the five-year average of 53 percent. Many producers have expressed concern about winterkill in the winter wheat due to a warm March and freezing temperatures so far in April. Barley, oats and spring wheat seeding had minor amounts of progress this week. Barley seeded is rated at 4 percent, well behind the five-year average of 24 percent, with no barley emergence reported. Oats seeded also is behind normal at 6 percent, compared to a 37 percent five-year average, with our first reports of emergence at 2 percent. Spring wheat seeded is rated at 8 percent, well behind the five-year average of 43 percent, with emergence rated at 3 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Feed supplies are rated at 69 percent adequate to surplus, well below last year's 95 percent, but only slightly lower than the five-year average of 75 percent. Stock water supplies leveled off a bit this week, with a rating of 69 percent, slightly worse than last year's 73 percent, but better than the five-year average of 59 percent. Pasture and range condition is rated at 37 percent good to excellent, down from last year's 53 percent, but better than the five-year average of 33 percent. Spring calving was rated at 64 percent complete, right on the five-year average. The mud, cold and snow caused calf deaths

to be rated at 11 percent above average, up from 6 percent last week. Fourteen percent of the cattle have been moved to pasture, which is 3 percentage points ahead of the five-year average. Several reports say that producers are moving cattle to pasture early to get calving out of the mud; however, they must continue to provide feed since pastures are still short. Sheep and lamb deaths held steady at 2 percent above average, the same as last week. Lambing was 76 percent complete, ahead of the five-year average of 70 percent.

Feed and Water Supplies Comparison as of April 15, 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	7	1	9	17	14	18
Short	24	4	17	14	13	22
Adequate	68	90	70	64	68	57
Surplus	1	5	5	5	5	2

Soil Moisture Condition Comparison as of April 15, 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	2	4	9	6	10
Short	7	5	9	25	25	17
Adequate	78	78	75	56	58	65
Surplus	13	15	12	10	11	8

Crop and Livestock Conditions as of April 15, 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	2	12	35	45	6
Cattle	0	2	19	66	13
Sheep	0	1	13	64	22
Range & Pasture	8	22	33	32	5

Crop Progress as of April 15, 2007¹

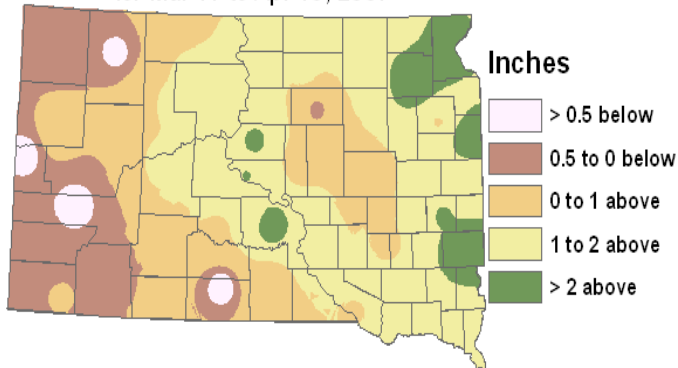
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Breaking Dormancy	96	94	93	91
Barley				
Seeded	4	2	13	24
Emerging	0	0	2	3
Oats				
Seeded	6	4	29	37
Emerging	2	0	6	6
Spring Wheat				
Seeded	8	5	32	43
Emerging	3	1	5	6

¹ Percents represent all acreage in or beyond each stage.

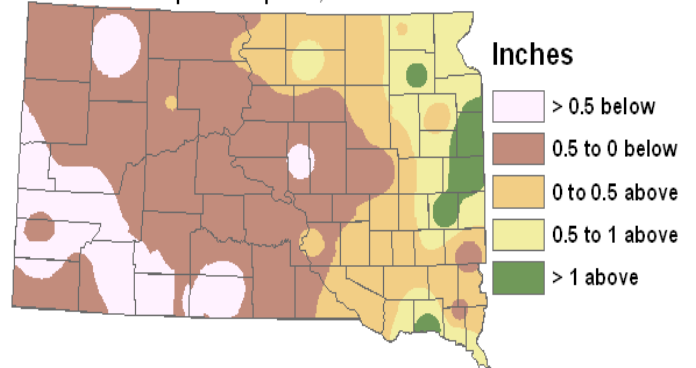
Soil Temperatures Week Ending April 15, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	36	Gettysburg	NA
Brookings	32	Nisland	40
Caputa	39	Pierre	41
Oacoma	44	Redfield	38
Cottonwood	41	South Shore	31

Accumulated Precip Departure from Normal
for Mar 17 to Apr 15, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Apr 15, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, April 15, 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		
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
Northwest											
Bison	39	-5	70	18	0.09	2.61	0.27	-3.02	-0.69	20	-13
Buffalo	37	-4	65	19	0.09	2.45	0.35	-2.27	-0.45	9	-7
Dupree	40	-3	71	19	0.19	4.09	0.86	-1.18	0.05	22	-12
McIntosh	37	-6	72	16	0.22	2.88	0.31	-1.76	-0.41	18	-11
Newell	39	-5	71	22	0.36	3.88	0.56	-0.93	-0.16	15	-21
Timber Lake	38	-5	73	19	0.33	5.14	0.65	-0.68	-0.21	17	-11
North Central											
Aberdeen	36	-8	67	9	0.65	5.45	1.19	-0.47	0.33	14	-12
Faulkton	38	-6	69	13	0.42	4.46	0.48	-1.90	-0.42	17	-12
Mobridge	36	-8	62	19	0.16	4.53	0.80	-0.44	0.08	9	-16
Roscoe	31	-11	68	3	0.46	5.67	1.74	-0.18	0.84	9	-5
Northeast											
Britton	36	-7	64	12	0.15	6.15	1.25	0.44	0.50	10	-19
Clear Lake	32	-10	62	12	0.66	9.18	2.89	1.02	1.84	6	-4
Sisseton	36	-8	63	9	0.62	8.35	1.66	1.08	0.70	10	-9
Watertown	33	-8	58	13	0.20	5.68	1.14	-0.80	0.23	4	-6
Webster	35	-7	64	13	0.14	8.72	1.99	2.45	1.16	10	0
West Central											
Faith	38	-8	62	21	0.06	3.83	0.43	-1.69	-0.38	10	-28
Milesville	42	-4	75	19	0.07	4.59	0.49	-1.17	-0.32	30	-19
Philip	40	-5	64	21	0.03	4.23	0.31	-0.76	-0.46	26	-27
Rapid City	38	-5	75	21	0.10	2.59	0.10	-2.46	-0.70	16	-18
Spearfish	41	-3	72	23	0.13	4.20	0.24	-3.35	-0.85	17	-16
Central											
Chamberlain	37	-8	60	13	0.76	6.99	1.16	0.19	0.11	13	-27
Highmore	38	-6	70	20	0.25	4.49	0.50	-1.93	-0.68	21	-16
Huron	38	-7	66	16	0.47	5.90	0.65	-0.77	-0.42	18	-18
Onida	39	-5	71	21	0.37	6.16	0.88	-0.30	0.00	21	-14
Pierre	41	-5	75	23	0.22	4.62	0.47	-1.34	-0.42	25	-23
East Central											
Brookings	31	-11	56	12	0.90	7.26	2.10	1.24	1.15	3	-12
Forestburg	39	-7	66	17	0.69	7.14	1.31	-0.07	0.10	19	-38
Madison	34	-9	63	14	0.56	8.18	2.50	0.38	1.29	7	-11
Mitchell	38	-7	61	21	0.49	7.24	1.58	-0.09	0.32	12	-26
Sioux Falls	37	-7	65	16	0.83	10.96	0.96	3.08	-0.28	12	-28
Southwest											
Custer	34	-6	56	18	0.01	3.50	0.40	-2.12	-0.47	6	-7
Hot Springs	40	-5	68	18	0.08	2.86	0.22	-1.83	-0.60	44	-25
Oelrichs	40	-4	77	15	0.54	2.62	0.61	-2.46	-0.21	36	-21
Porcupine	40	-3	75	15	0.13	3.30	0.22	-1.81	-0.61	32	-19
South Central											
Kennebec	42	-5	75	22	0.33	6.75	0.49	1.41	-0.43	37	-32
Mission	43	-1	75	23	0.21	4.57	0.24	-1.02	-0.65	36	6
Murdo	39	-6	78	19	0.34	5.44	0.73	-1.16	-0.32	24	-17
Winner	40	-8	61	25	0.31	7.76	0.67	0.30	-0.49	16	-54
Southeast											
Armour	40	-8	67	21	0.67	9.38	1.45	1.76	0.32	21	-49
Centerville	38	-8	66	22	0.57	8.06	0.91	0.65	-0.20	16	-26
Pickstown	38	-8	67	15	0.87	8.82	1.55	1.72	0.30	20	-32
Vermillion	41	-8	67	22	0.85	10.51	2.05	2.63	0.79	21	-60
Yankton	38	-8	67	18	0.84	11.44	2.53	3.98	1.41	20	-33

DATA AND MAP SOURCE: State Climate Office of South Dakota