

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 22, 2007
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AGRICULTURAL SUMMARY

Mild temperatures and precipitation toward the weeks end limited fieldwork again last week, with only 2.9 days suitable for fieldwork throughout the state. Western areas in the state, however, were still able to make significant progress in small grain seeding, with some scattered areas in the east reporting early signs of corn planting. Major farm activities included preparing for fieldwork, seeding small grains, repairing fences, 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

The first large-scale severe weather event occurred over the weekend with large hail, heavy rains, and a few tornadoes. Few crops have reached the stage to have much damage done. Some structural damage did occur with the large hail. The heavy rainfall (some over 2") in places in the eastern part of the state will slow field work and some fields returned to being under water. Most of the state saw precipitation through the week. Again, most of the western part of the state saw only light precipitation amounts. But a few locations such as Custer and Rapid City recorded over an inch late in the week.

Temperatures rebounded during the week starting to dry out soils and add some growing degree days for planted crops. GDDs are actually above average at many locations around the state since April 1.

SOIL CONDITION

Soil temperatures showed significant warming last week. Oacoma recorded the week's highest average soil temperature at 55° F, while South Shore and Brookings had the lowest at 42° F. Topsoil moisture is rated at 93 percent adequate to surplus, compared to last year's 89 percent. Meanwhile, subsoil moisture is rated at 69 percent adequate to surplus, below last year's 74 percent.

FIELD CROPS REPORT

Small grain seeding progress was made early last week, with rains later in the week bringing fieldwork to a standstill in several areas. Mixed temperatures continue to hinder winter wheat development and cause concern about winterkill, yet conditions improved to have 60 percent rated good to excellent. Small grain seeding advanced last week, yet both seeding progress and emergence remain behind normal. Barley seeding is 15 percent complete, with 2 percent emerged. Oats seeding advanced to 30 percent complete, with 7 percent emerged. Spring wheat is rated at 30 percent seeded, with 9 percent emerged, well behind the five-year averages of 68 percent seeded and 20 percent emerged.

LIVESTOCK, PASTURE, AND RANGE REPORT

Recent rains were beneficial to stock water supplies, with feed supplies holding steady. Stock water supplies increased to 72 percent adequate to surplus, with feed supplies estimated at 67 percent adequate to surplus. Livestock remain in mostly good to excellent condition, with range and pasture conditions decreasing slightly, to 34 percent rated good to excellent. Muddy ground may have slowed movement of cattle to pastures, with reports of some farmers and ranchers not wanting to damage grasses by returning livestock to pastures at this point. Seventeen percent of cattle have been moved to pastures, 1 percent behind last year's progress. Calving and lambing advanced to levels slightly ahead of the five-year averages, with calving 75 percent complete and lambing 81 percent complete. Calf and sheep and lamb deaths remain at mostly average or below average levels.

Feed and Water Supplies Comparison as of April 22, 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	12	1	9	12	7	17
Short	21	5	17	16	18	23
Adequate	65	89	69	61	68	58
Surplus	2	5	5	11	7	2

Soil Moisture Condition Comparison as of April 22, 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	3	2	2	9	9	7
Short	4	7	9	22	25	20
Adequate	76	78	78	55	56	66
Surplus	17	13	11	14	10	8

Crop and Livestock Conditions as of April 22, 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	10	29	53	7
Cattle	0	1	20	66	13
Sheep	0	0	14	67	19
Range & Pasture	5	21	40	29	5

Crop Progress as of April 22, 2007 ¹

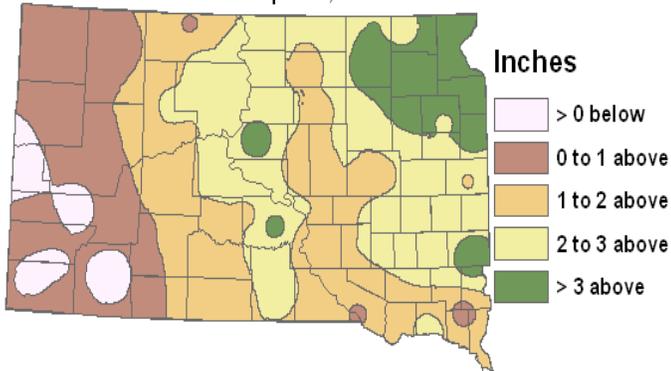
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Barley				
Seeded	15	4	28	44
Emerged	2	0	4	8
Oats				
Seeded	30	6	51	58
Emerged	7	2	13	17
Spring Wheat				
Seeded	30	8	58	68
Emerged	9	3	15	20
Corn				
Planted	1	0	3	3

¹ Percents represent all acreage in or beyond each stage.

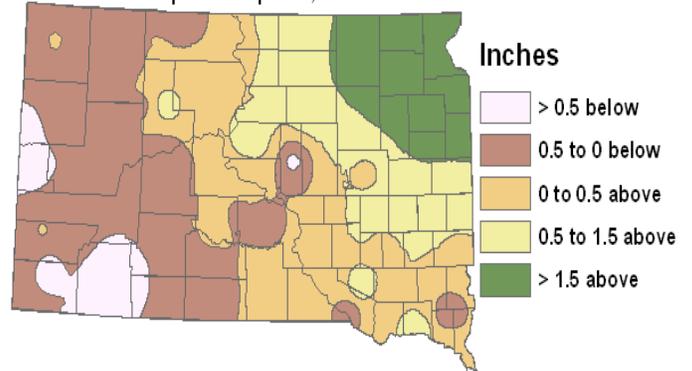
Soil Temperatures Week Ending April 22, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	51	Gettysburg	NA
Brookings	42	Nisland	49
Caputa	46	Pierre	52
Oacoma	55	Redfield	50
Cottonwood	52	South Shore	42

Accumulated Precip Departure from Normal
for Mar 24 to Apr 22, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Apr 22, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, April 22, 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
<i>Degrees</i>	<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>			
Northwest												
Bison	50	4	70	33	0.63	4.07	1.21	-2.07	-0.26	64	-1	
Buffalo	52	7	72	34	0.94	3.39	1.29	-1.82	0.00	55	17	
Dupree	53	6	71	32	1.18	5.27	2.04	-0.45	0.78	76	9	
McIntosh	51	4	69	32	0.57	4.25	0.88	-0.81	-0.26	67	5	
Newell	53	6	74	33	0.31	4.23	0.91	-1.00	-0.23	68	2	
Timber Lake	53	6	70	32	0.74	5.88	1.39	-0.43	0.04	74	14	
North Central												
Aberdeen	53	6	72	27	2.22	7.67	3.41	1.33	2.13	74	14	
Faulkton	51	4	71	28	1.98	7.38	2.46	0.53	1.07	72	9	
Mobridge	54	8	75	27	0.70	5.21	1.50	-0.17	0.37	73	18	
Roscoe	51	6	71	32	0.79	6.46	2.53	0.10	1.12	62	22	
Northeast												
Britton	54	8	70	33	1.62	7.19	2.87	1.06	1.70	71	8	
Clear Lake	55	9	78	34	0.87	10.05	3.76	1.33	2.15	65	32	
Sisseton	52	5	71	31	1.81	10.16	3.47	2.40	2.02	64	17	
Watertown	55	10	75	30	2.44	8.89	3.58	1.92	2.18	68	35	
Webster	53	7	70	35	2.24	10.96	4.23	4.24	2.95	58	25	
West Central												
Faith	53	5	77	32	0.76	4.82	1.19	-1.16	-0.08	67	-6	
Milesville	55	6	73	32	0.30	4.91	0.81	-1.32	-0.47	90	3	
Philip	56	8	82	28	0.81	5.04	1.12	-0.38	-0.08	97	4	
Rapid City	52	6	77	33	1.06	3.38	1.16	-2.13	-0.10	57	-6	
Spearfish	54	7	71	30	0.12	4.32	0.36	-3.84	-1.34	92	31	
Central												
Chamberlain	56	9	77	36	0.63	8.17	1.79	0.78	0.15	85	10	
Highmore	52	5	69	27	0.68	5.33	1.18	-1.72	-0.63	72	-1	
Huron	55	7	77	27	1.27	7.17	1.92	-0.06	0.29	92	21	
Onida	52	5	68	34	1.50	7.74	2.40	0.81	1.05	70	-1	
Pierre	52	3	71	28	1.06	5.68	1.53	-0.77	0.15	81	-7	
East Central												
Brookings	54	8	80	31	0.46	7.72	2.56	1.21	1.12	66	25	
Forestburg	58	8	81	31	1.69	9.00	3.00	1.15	1.15	107	5	
Madison	56	9	81	33	0.28	8.46	2.78	0.03	0.94	72	27	
Mitchell	58	9	82	32	0.67	9.10	2.25	1.12	0.34	94	20	
Sioux Falls	58	11	83	36	0.97	11.93	1.93	3.42	0.06	93	16	
Southwest												
Custer	46	4	68	27	1.03	4.50	1.40	-1.63	0.02	42	13	
Hot Springs	52	5	77	28	0.48	3.34	0.70	-1.84	-0.61	114	2	
Oelrichs	54	7	79	27	0.19	2.81	0.80	-2.76	-0.51	95	-2	
Porcupine	53	7	82	28	0.10	3.40	0.32	-2.18	-0.98	98	10	
South Central												
Kennebec	56	7	76	30	0.69	7.44	1.18	1.60	-0.24	114	-4	
Mission	53	7	73	30	0.94	7.33	1.18	1.22	-0.23	96	36	
Murdo	55	7	79	35	0.91	6.35	1.64	-0.80	0.04	77	1	
Winner	56	5	76	32	1.59	9.91	2.26	1.81	0.46	85	-32	
Southeast												
Armour	58	7	80	31	1.49	10.39	2.46	2.16	0.72	108	-11	
Centerville	58	9	85	33	0.32	7.67	1.23	-0.34	-0.48	106	26	
Pickstown	57	8	82	35	0.08	8.96	1.63	1.18	-0.30	98	6	
Vermillion	62	10	85	37	0.22	10.58	2.27	2.03	0.34	122	-14	
Yankton	58	9	85	33	0.04	12.06	2.57	3.99	0.84	108	13	

DATA AND MAP SOURCE: State Climate Office of South Dakota