

South Dakota Weekly Crop Weather Report



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

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For Week Ending April 1, 2007
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AGRICULTURAL SUMMARY

Most of the state got some amount of precipitation last week in the form of rain or, in the west, snow. The central third of the state received some much needed rain helping to replenish stock water supplies and soil moisture. Even some flooding and washouts of county roads were reported. However, the far northwest and southwest corners of the state remain short of moisture. Due to the precipitation, only 1.5 days were suitable for fieldwork. The average expected date that spring fieldwork started was delayed from March 29 last week to April 1. 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

Widespread precipitation occurred last week across the whole state as rainfall and some snowfall fell because of several different precipitation events, according to the State Climate Office of South Dakota. Precipitation amounts ranged from less than half an inch in the far west, to locations receiving over 3 inches of precipitation during the week. The far western quarter of the state received the lowest overall precipitation amounts. The heavier rainfall in the areas along and west of the Missouri River improved soil moisture conditions the most as 2 to 3 inches of precipitation fell in these areas. These amounts would be 20-30% of what was observed in all of 2006 in some locations. Heavier rainfall in the eastern quarter of the state generally added to the low land flooding problems.

Temperatures across the state were again well above average with highs in the 60s and 70s earlier in the week. Much cooler temperatures were ushered in along with the precipitation over the weekend. Cooler temperatures seem likely to continue during the coming week.

SOIL CONDITION

All soil temperatures were measured to be safely above freezing. The precipitation helped to get the remaining frost out of the soil. Oacoma recorded the week's highest average soil temperature at 52° F, while South Shore had the lowest at 36° F.

FIELD CROPS REPORT

This week's precipitation improved soil moisture particularly in the central part of the state. Topsoil moisture rated 87 percent adequate to surplus, up 15 percentage points from last week. Subsoil moisture rated 61 percent adequate to surplus up 7 percentage points from last week. Winter wheat breaking dormancy is rated at 91 percent, well ahead of last year and the five-year average, 45 and 58 percent, respectively. Ratings for winter wheat conditions improved from 46 percent good to excellent last week to 50 percent now. Barley, oats and spring wheat seeding has been initiated, similar to previous years.

LIVESTOCK, PASTURE, AND RANGE REPORT

With the precipitation, stock water supplies have improved from 63 percent adequate to surplus last week to 67 percent currently. However, livestock producers have had some difficulty with muddy conditions for calving and lambing. Pasture and range conditions have improved from 59 percent fair or better last week to 67 percent currently. Calf deaths were rated slightly more problematic at 4 percent above average versus 2 percent for March. Sheep and lamb deaths were slightly less problematic at 1 percent above average versus 2 percent for March. Spring calving was rated at 44 percent complete, behind last year's 48 percent. Lambing was 58 percent complete, ahead of last year's 54 percent.

Feed and Water Supplies Comparison as of April 1, 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	0	8	17	11	17
Short	21	5	17	16	16	23
Adequate	65	89	70	62	68	57
Surplus	2	6	5	5	5	3

Soil Moisture Condition Comparison as of April 1, 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	11	3	13	23	12
Short	10	17	8	26	23	18
Adequate	74	66	73	53	49	60
Surplus	13	6	16	8	5	10

Crop and Livestock Conditions as of April 1, 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	9	40	43	7
Cattle	0	1	19	64	16
Sheep	0	1	17	68	14
Range & Pasture	12	21	33	30	4

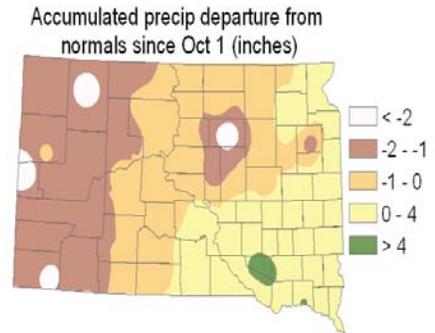
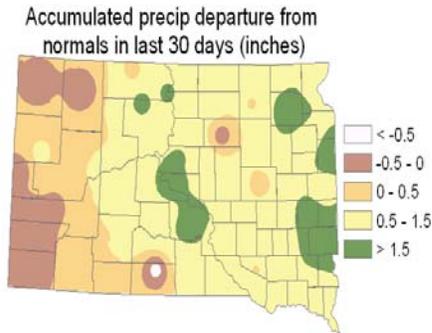
Crop Progress as of April 1, 2007 ¹

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	91	77	45	58
Barley				
Seeded	2	0	1	2
Oats				
Seeded	4	0	1	4
Spring Wheat				
Seeded	5	0	4	7

¹ Percents represent all acreage in or beyond each stage.

Soil Temperatures Week Ending April 1, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	48	Gettysburg	NA
Brookings	37	Nisland	44
Caputa	42	Pierre	50
Oacoma	52	Redfield	47
Cottonwood	47	South Shore	36



TEMPERATURE and PRECIPITATION
Week Ending Sunday, April 1, 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		
	<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	42	5	63	23	0.64	2.34	0.00	-2.39	-0.06	1	1
Buffalo	42	7	77	20	0.43	2.10	0.00	-1.86	-0.04	0	0
Dupree	47	9	76	30	1.88	3.23	0.00	-1.28	-0.05	3	2
McIntosh	42	6	62	30	0.96	2.44	0.00	-1.52	-0.04	1	1
Newell	45	7	80	21	1.38	3.32	0.00	-0.81	-0.04	0	-1
Timber Lake	45	8	77	29	2.71	4.51	0.02	-0.50	-0.03	0	0
North Central											
Aberdeen	44	8	64	30	1.53	4.37	0.11	-0.74	0.06	0	0
Faulkton	45	8	64	32	0.59	2.59	0.05	-2.93	-0.01	0	0
Mobridge	48	12	75	34	2.10	4.13	0.23	-0.16	0.19	0	0
Roscoe	45	11	73	32	1.21	4.34	0.41	-0.66	0.36	0	0
Northeast											
Britton	45	9	59	30	2.02	4.90	0.50	-0.10	0.46	0	0
Clear Lake	46	11	73	32	3.12	8.21	1.92	1.03	1.85	0	0
Sisseton	43	7	69	32	2.67	6.43	0.49	0.06	0.43	0	0
Webster	42	7	62	31	3.06	7.37	0.75	1.88	0.70	0	0
Watertown	47	13	67	33	1.90	4.12	0.69	-1.51	0.63	0	0
West Central											
Faith	46	7	80	28	1.30	3.40	0.00	-1.36	-0.05	0	-1
Milesville	48	8	72	30	2.10	4.10	0.00	-0.90	-0.05	6	5
Philip	50	11	78	32	1.79	3.66	0.00	-0.61	-0.05	0	-2
Rapid City	44	5	75	27	0.45	2.49	0.00	-1.81	-0.05	0	-1
Spearfish	43	4	74	21	0.84	3.96	0.00	-2.56	-0.06	0	-1
Central											
Chamberlain	50	12	75	31	2.31	6.23	0.40	0.42	0.34	0	-1
Highmore	47	9	67	30	1.94	3.99	0.07	-1.32	0.00	4	3
Huron	49	11	68	32	1.65	5.40	0.15	-0.27	0.08	2	2
Onida	47	10	71	33	2.73	5.17	0.00	-0.46	-0.05	4	3
Pierre	47	7	72	33	3.03	4.16	0.01	-0.96	-0.04	4	3
East Central											
Brookings	47	10	69	32	1.81	5.79	1.13	0.66	1.07	0	0
Forestburg	51	11	69	33	2.10	6.45	0.62	0.38	0.55	2	0
Madison	48	11	70	33	3.15	7.57	1.89	0.91	1.82	0	0
Mitchell	54	15	72	36	2.20	6.84	1.09	0.70	1.02	0	-1
Sioux Falls	51	13	75	32	3.97	10.11	0.11	3.39	0.03	1	-1
Southwest											
Custer	41	4	65	22	0.63	3.10	0.00	-1.70	-0.05	1	1
Hot Springs	48	8	77	25	0.58	2.64	0.00	-1.28	-0.05	6	3
Oelrichs	47	7	77	21	0.60	2.01	0.00	-2.30	-0.05	1	-2
Porcupine	46	8	76	21	0.80	3.08	0.00	-1.25	-0.05	0	-2
South Central											
Kennebec	55	14	78	31	3.87	6.30	0.10	1.83	0.05	7	4
Mission	48	9	75	33	0.00	4.33	0.00	-0.42	-0.05	0	-1
Murdo	47	8	76	32	2.32	5.06	0.35	-0.56	0.28	0	-1
Winner	52	10	76	33	2.02	7.45	0.36	1.08	0.29	0	-3
Southeast											
Armour	57	15	79	36	2.17	14.19	0.48	7.63	0.41	4	1
Centerville	53	14	74	34	1.93	7.25	0.10	0.88	0.03	1	0
Pickstown	54	14	75	36	1.80	7.23	0.68	1.31	0.61	0	-2
Vermillion	58	15	77	33	2.61	9.56	1.10	2.86	1.02	4	0
Yankton	55	14	74	32	3.19	10.56	1.65	4.15	1.58	0	-2

DATA AND MAP SOURCE: State Climate Office of South Dakota