

South Dakota Weekly Crop Weather Report

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U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

Cooler temperatures and precipitation characterized last week in South Dakota, resulting in 4.6 days suitable for fieldwork. Major farm activities included planting row crops, post-emergence spraying, and moving cattle to pasture.

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

WEATHER INFORMATION

Several storm events last week brought precipitation to nearly the whole state, according to the State Climate Office of South Dakota. A few storms produced some substantial precipitation in the central parts of the state to some locations in the northeast and southeast. Six stations in these areas recorded over 2 inches of precipitation during the week. May has been somewhat drier than average in the far east central part of South Dakota. The far southeast, southwest and northwest parts of the state also are drier than average over the last 30 days.

Temperatures for the week were slightly below average over most of the state. This was the first below average week since early April. The state average temperature overall was only 1.4° F below average. Growing degree day accumulation is still several days ahead of average over most of the state since April 1. Temperatures in the mid 30s and even a few places below 32° F on Sunday morning caused some freeze damage to corn and possibly wheat in the eastern and northeast part of the state.

SOIL CONDITION

More precipitation this week resulted in most of the state's topsoil in the adequate to surplus moisture rating. Only 11 percent of the topsoil was rated as short to very short of moisture. Also, subsoil moisture has only 17 percent rated as short to very short. As some of the very wet soil dries, there have been a few reports of soil crusting over, hindering emergence of row crops. The western third of the state continues to be generally dry.

FIELD CROPS REPORT

Anywhere conditions were suitable for fieldwork, farmers were active planting and spraying. Planting of row crops advanced quickly this week. The highlight was soybeans' 31 percentage point increase in planting completed, now rated at 57 percent. This still shows soybeans behind last year's 72 percent and the five-year average of 64 percent. Corn planted was rated at 92 percent, which has nearly caught up to last year and the five-year average, both at 94 percent completed. Conversely, corn emergence was at 67 percent, which is ahead of both last year and the five-year average. Sorghum was rated at 45 percent planted, while sunflowers were rated at 19 percent planted. Winter wheat now has 85 percent of the crop in or past the boot stage, with 34 percent headed. This is noticeably ahead of last year's 16 percent and the five-year average of 14 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Alfalfa condition was reported to have deteriorated from last week. Last week it was rated at 83 percent good to excellent, but this week it is only 74 percent good to excellent. Range and pasture conditions were rated the same as last week, at 62 percent good to excellent. Cattle condition is rated at 89 percent good to excellent, and sheep condition is rated at 91 percent good to excellent. The western third the state has received some moisture to sustain plant growth, but very little runoff, resulting in concerns about stock water supplies. Eighty-three percent of the cattle are reported to be moved to pasture, but the ranchers in the western part of the state are reluctant to move cattle due to the lack of stock water. Spring calving is rated at 97 percent complete.

Feed and Water Supplies Comparison as of May 27, 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	3	5	8	12	13	16
Short	17	10	19	11	21	24
Adequate	77	83	70	68	61	57
Surplus	3	3	3	9	5	3

Soil Moisture Condition Comparison as of May 27, 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	1	1	15	6	6	18
Short	10	11	28	11	13	23
Adequate	77	73	49	70	66	51
Surplus	12	15	8	13	15	8

Crop and Livestock Conditions as of May 27, 2007

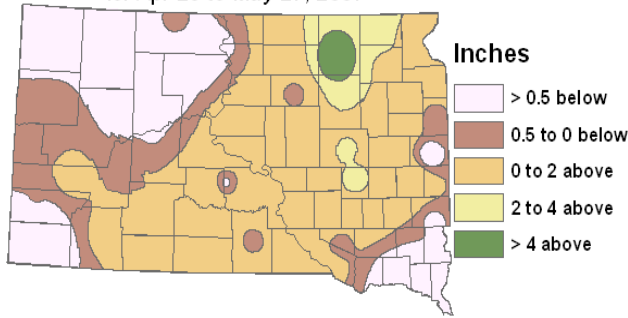
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	2	6	23	53	16
Spring Wheat	0	4	21	61	14
Barley	0	2	14	76	8
Oats	0	2	17	69	12
Corn	1	4	15	68	12
Alfalfa	1	3	22	54	20
Cattle	0	0	11	68	21
Sheep	0	0	9	68	23
Range & Pasture	2	8	28	47	15

Crop Progress as of May 27, 2007 ¹

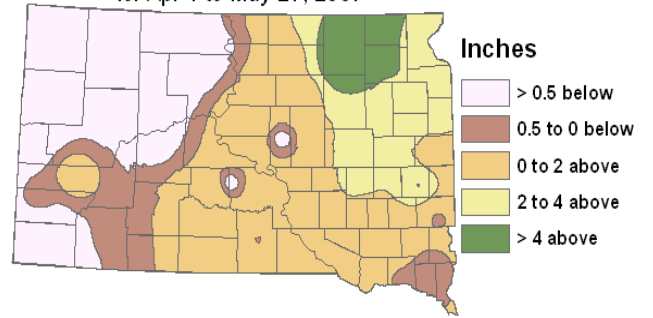
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Boot	85	70	83	70
Headed	34	4	16	14
Barley				
Emerged	89	74	92	91
Boot	2	0	3	2
Oats				
Emerged	97	87	98	95
Boot	17	1	3	5
Headed	1	0	0	0
Spring Wheat				
Emerged	97	91	98	98
Boot	11	1	4	6
Headed	1	0	0	0
Corn				
Planted	92	76	94	94
Emerged	67	38	64	56
Ave Height (in.)	4	0	0	0
1st cult./spray	19	0	0	0
Soybeans				
Planted	57	26	72	64
Emerged	18	4	23	15
Sorghum				
Planted	45	25	41	32
Emerged	20	6	11	5
Sunflower				
Planted	19	5	24	16
Alfalfa				
1st Cutting	7	1	11	6
Other Hay				
Cut	2	0	2	1

¹ Percents represent all acreage in or beyond each stage.

Accumulated Precip Departure from Normal
for Apr 28 to May 27, 2007



Accumulated Precip Departure from Normal
for Apr 1 to May 27, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, May 27, 2007

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			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	56	-3	81	36	0.40	6.07	3.21	-3.07	-1.26	438	68	
Buffalo	54	-2	77	37	0.54	5.33	3.23	-3.00	-1.18	380	93	
Dupree	57	-3	85	36	0.58	6.96	3.73	-1.98	-0.75	486	106	
McIntosh	53	-7	87	34	1.07	6.31	2.94	-1.48	-0.93	424	42	
Newell	56	-3	82	36	1.00	6.69	3.37	-1.39	-0.62	438	85	
Timber Lake	57	-3	86	36	0.62	6.82	2.33	-2.59	-2.12	469	103	
North Central												
Aberdeen	57	-4	84	34	0.53	17.22	12.96	8.06	8.86	480	105	
Faulkton	57	-4	85	34	0.72	9.76	4.84	-0.31	0.23	479	100	
Mobridge	59	-2	87	37	0.76	7.01	3.30	-1.11	-0.57	514	154	
Roscoe	56	-3	83	33	1.29	9.62	5.69	-0.01	1.01	443	122	
Northeast												
Britton	61	0	86	41	0.82	14.64	10.32	5.52	6.16	490	95	
Clear Lake	58	-2	83	36	0.32	13.41	7.12	1.43	2.25	429	123	
Sisseton	59	-2	84	42	1.01	14.05	7.36	3.34	2.96	457	96	
Watertown	60	1	84	34	1.33	11.74	6.43	2.05	2.31	482	176	
Webster	58	-2	82	41	2.70	14.91	8.18	5.40	4.11	422	109	
West Central												
Faith	56	-4	87	37	0.50	6.59	2.96	-2.65	-1.57	441	53	
Milesville	60	-1	87	39	0.64	7.91	3.81	-1.98	-1.13	531	116	
Philip	61	1	87	42	0.64	7.60	3.68	-1.12	-0.82	535	111	
Rapid City	55	-3	81	37	0.74	7.60	5.38	-1.07	0.96	391	61	
Spearfish	56	-1	84	36	0.05	7.31	3.35	-4.66	-2.16	495	166	
Central												
Chamberlain	62	1	84	41	0.96	13.00	6.62	1.71	1.08	526	124	
Highmore	58	-2	80	40	0.38	8.61	4.46	-1.89	-0.80	465	72	
Huron	60	-2	83	35	0.33	12.15	6.90	1.69	2.04	533	141	
Onida	57	-3	83	37	2.08	11.70	6.36	1.74	1.98	506	115	
Pierre	59	-3	84	41	2.67	9.26	5.11	-0.52	0.40	509	83	
East Central												
Brookings	60	0	83	34	0.33	10.44	5.28	0.87	0.78	459	128	
Forestburg	63	1	84	38	1.47	14.96	8.96	3.37	3.37	575	111	
Madison	60	0	83	34	0.57	15.12	9.44	3.10	4.01	485	153	
Mitchell	61	-2	83	34	1.27	13.20	6.35	1.57	0.79	551	150	
Sioux Falls	60	-1	83	36	0.59	15.39	5.39	3.19	-0.17	547	141	
Southwest												
Custer	49	-4	78	27	0.69	7.85	4.75	-1.83	-0.18	296	67	
Hot Springs	60	1	86	31	0.42	5.74	3.10	-2.71	-1.48	564	121	
Oelrichs	59	-1	90	35	0.42	5.45	3.44	-3.49	-1.24	500	79	
Porcupine	58	-1	90	34	1.61	7.15	4.07	-1.44	-0.24	513	111	
South Central												
Kennebec	62	-1	84	44	2.29	11.45	5.19	2.35	0.51	654	153	
Mission	60	0	82	42	2.51	12.02	5.87	2.10	0.65	531	183	
Murdo	60	-1	85	43	2.47	10.84	6.13	0.50	1.34	485	100	
Winner	61	-2	86	44	0.88	13.63	5.98	1.33	-0.02	523	28	
Southeast												
Armour	63	0	83	42	0.71	14.62	6.69	2.37	0.93	616	117	
Centerville	63	1	83	40	0.89	11.53	5.09	-0.37	-0.51	581	166	
Pickstown	66	4	88	41	0.75	14.73	7.40	2.90	1.42	571	141	
Vermillion	65	0	86	41	0.75	14.12	5.81	1.50	-0.19	665	120	
Yankton	63	1	88	40	0.75	15.07	5.58	2.90	-0.25	591	144	

DATA AND MAP SOURCE: State Climate Office of South Dakota