

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

The return of hot weather to many areas accelerated the development of crops. Conditions were dry enough for fieldwork in most regions around the state, with 5.4 days suitable for fieldwork. Major farm activities included preparing for and seeding winter wheat, caring for livestock, and harvesting alfalfa hay.

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

Feed and Water Supplies Comparison as of September 2, 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	2	20	16	12	29	28
Short	8	33	26	17	29	27
Adequate	84	45	54	65	41	44
Surplus	6	2	4	6	1	1

WEATHER INFORMATION

August came to a fairly quiet end across the state with only a few stations (mainly in the southeast part of the state) reporting more than a quarter inch of precipitation during the week, according to the State Climate Office of South Dakota. Vermillion was by far the wettest, reporting 1.61" for the week. Many stations reported no precipitation, as high pressure and drier air influenced the state throughout the week. Temperatures correspondingly rebounded to above average for the whole state, adding some additional growing degree days late in the season. The whole state continues to run ahead of average growing degree accumulation since April 1. Some stations across the state are 2 weeks or more ahead on GDD accumulation during this time.

SOIL CONDITION

Soil moisture conditions declined slightly during the week. Topsoil moisture was rated at 77 percent adequate to surplus, down from last week's 81 percent but up from last year's 50 percent. Subsoil moisture was rated at 61 percent adequate to surplus, down from last week's 65 percent and up from last year's 32 percent.

FIELD CROPS REPORT

The corn crop is rated as 95 percent in or past the dough stage, placing it marginally behind last year's 96 percent but ahead of the five-year average of 91 percent. Percentage of corn dented leaped 26 percentage points from last week, to 70 percent dented this week. Six percent of corn is mature, slightly behind the average. Fourteen percent of the soybean crop is dropping leaves, behind last year's 21 percent and the five-year average of 26 percent. Sorghum coloring is rated at 86 percent, which is ahead of last year and the five-year average. Eleven percent of sorghum is mature, which is also ahead of last year and the five-year average. The percentage of sunflower with ray flowers dry jumped 48 points from last week, to 74 percent this week. Sunflower with bracts yellow were rated at 49 percent, ahead of last year and the five-year average of 29 percent. Five percent of winter wheat has been planted, which is behind last year's 10 percent and the five-year average of 8 percent planted.

LIVESTOCK, PASTURE, AND RANGE REPORT

The recent precipitation has helped pastures to re-green, and grazing will be extended for some producers. Alfalfa condition improved from 50 percent good to excellent last week to 56 percent this week. Range and pasture conditions also improved from 50 percent good to excellent to 56 percent. In some areas, livestock enjoyed cool temperatures, which boosted livestock conditions. High humidity and moisture slowed silage harvest.

Soil Moisture Condition Comparison as of September 2, 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	8	4	19	12	14	38
Short	15	15	31	27	21	30
Adequate	73	77	47	59	62	31
Surplus	4	4	3	2	3	1

Crop and Livestock Conditions as of September 2, 2007

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	2	7	26	56	9
Soybeans	0	2	19	59	20
Sorghum	2	7	34	50	7
Sunflower	2	4	37	47	10
Alfalfa	5	6	33	51	5
Cattle	0	1	10	69	20
Sheep	0	1	7	72	20
Range & Pasture	4	8	32	50	6

Crop Progress as of September 2, 2007 ¹

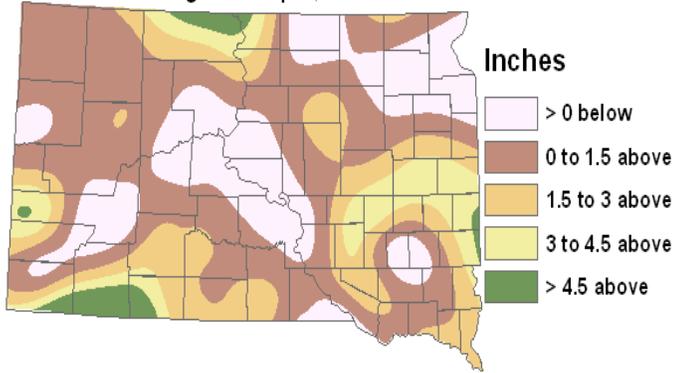
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Seeded	5	1	10	8
Corn				
Dough	95	84	96	91
Dent	70	44	74	56
Mature	6	3	7	8
Silage Harvested	13	7	53	30
Soybeans				
Dropping Leaves	14	10	21	26
Mature	1	0	1	2
Sorghum				
Coloring	86	59	78	63
Mature	11	4	6	5
Silage Harvested	22	16	54	35
Sunflower				
Ray Flowers Dry	74	26	53	52
Bracts Yellow	49	6	29	29
Mature	0	0	2	2
Alfalfa				
3rd Cutting	71	57	65	61

¹ Percents represent all acreage in or beyond each stage.

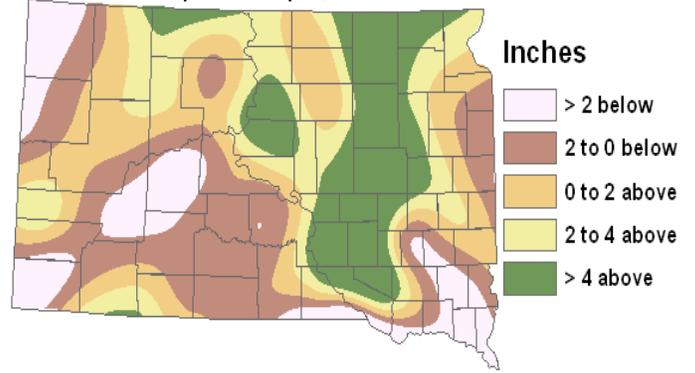
Soil Temperatures Week Ending Sep 2, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	69	Gettysburg	NA
Brookings	68	Nisland	70
Caputa	66	Pierre	75
Oacoma	75	Redfield	68
Cottonwood	71	South Shore	69

Accumulated Precip Departure from Normal
for Aug 4 to Sep 2, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Sep 2, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, September 2, 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	69	1	94	49	0.07	15.80	12.94	-0.34	1.47	2,372	109	
Buffalo	69	5	91	46	0.07	10.68	8.58	-4.81	-2.99	2,282	388	
Dupree	71	4	96	47	0.20	17.51	14.28	0.76	1.99	2,524	239	
McIntosh	68	1	95	48	0.01	19.08	15.71	3.84	4.39	2,286	12	
Newell	69	1	95	50	0.00	13.35	10.03	-1.20	-0.43	2,405	142	
Timber Lake	70	3	96	48	0.03	16.64	12.15	-0.80	-0.33	2,417	151	
North Central												
Aberdeen	68	2	88	47	0.00	25.27	21.01	6.73	7.53	2,398	117	
Faulkton	68	0	90	48	0.01	18.93	14.01	0.21	0.75	2,383	72	
Mobridge	70	2	94	50	0.05	17.47	13.76	1.77	2.31	2,550	208	
Roscoe	67	2	91	47	0.02	18.27	14.34	-0.52	0.50	2,262	153	
Northeast												
Britton	69	2	88	45	0.06	23.53	19.21	4.79	5.43	2,525	261	
Clear Lake	66	1	86	46	0.02	21.65	15.36	-1.86	-1.04	2,270	178	
Sisseton	68	2	90	46	0.09	23.78	17.09	3.51	3.13	2,391	140	
Watertown	68	4	85	46	0.00	20.10	14.79	0.03	0.29	2,406	383	
Webster	67	2	85	50	0.02	24.35	17.62	4.02	2.73	2,321	172	
West Central												
Faith	70	1	93	48	0.03	18.14	14.51	1.66	2.74	2,490	93	
Milesville	72	2	100	45	0.07	15.16	11.06	-3.25	-2.40	2,631	191	
Philip	73	4	98	47	0.00	12.97	9.06	-3.05	-2.74	2,730	302	
Rapid City	70	3	94	48	0.03	13.57	11.35	-2.05	-0.02	2,462	302	
Spearfish	69	3	91	50	0.12	16.87	12.91	-3.42	-0.92	2,498	337	
Central												
Chamberlain	77	8	98	61	0.00	26.70	20.32	6.19	5.56	2,703	292	
Highmore	70	2	93	46	0.00	22.19	18.04	2.50	3.59	2,436	107	
Huron	70	3	89	50	0.00	27.52	22.27	8.30	8.65	2,628	233	
Onida	71	4	98	47	0.00	23.71	18.37	5.29	5.53	2,508	181	
Pierre	72	2	99	50	0.15	18.21	14.06	-0.22	0.70	2,610	81	
East Central												
Brookings	67	2	88	46	0.29	20.22	15.06	-0.29	-0.38	2,325	218	
Forestburg	71	2	87	52	0.28	25.29	19.29	4.92	4.92	2,707	151	
Madison	68	3	89	47	0.62	24.29	18.61	1.50	2.41	2,445	326	
Mitchell	72	4	94	54	0.38	21.76	14.91	1.01	0.23	2,685	210	
Sioux Falls	71	4	90	51	0.33	25.96	15.96	3.66	0.30	2,673	300	
Southwest												
Custer	64	3	84	45	0.04	19.37	16.27	0.56	2.21	1,885	273	
Hot Springs	72	6	97	50	0.00	11.74	9.10	-4.36	-3.13	2,545	287	
Oelrichs	73	5	98	51	0.00	12.40	10.39	-3.65	-1.40	2,587	259	
Porcupine	71	3	97	53	0.00	15.55	12.47	-0.70	0.50	2,567	283	
South Central												
Kennebec	74	3	96	49	0.00	18.33	12.07	0.95	-0.89	2,896	254	
Mission	73	5	95	52	0.01	19.70	13.55	1.12	-0.33	2,626	313	
Murdo	73	4	97	51	0.01	17.44	12.73	-1.16	-0.32	2,645	227	
Winner	75	3	94	55	0.23	23.62	15.97	1.86	0.51	2,777	93	
Southeast												
Armour	73	3	94	55	0.60	30.61	22.68	9.00	7.56	2,820	128	
Centerville	72	4	91	52	0.32	19.80	13.36	-2.91	-3.05	2,727	238	
Pickstown	74	4	97	58	0.00	21.47	14.14	0.22	-1.26	2,734	156	
Vermillion	73	2	92	53	1.61	21.21	12.90	-1.92	-3.61	2,927	140	
Yankton	72	3	95	52	0.32	23.55	14.06	0.47	-2.68	2,760	213	

DATA AND MAP SOURCE: State Climate Office of South Dakota