

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Most of the state received rainfall last week, which generally improved crop and livestock conditions. Fieldwork slowed due to wet conditions. With 3.9 days suitable for fieldwork, major farm activities included completing small grain harvest, caring for livestock, and preparing to plant winter wheat.

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

WEATHER INFORMATION

State record large hail occurred in southern Charles Mix County during the week, according to the State Climate Office of South Dakota. One confirmed hail stone at Dante was 6 7/8 inches in diameter. Many hail stones measuring 4 inches or larger fell, producing building and lawn damage. Some crops were damaged, but the damage was not widespread. The week continued a month long period of wet conditions, with all of the state receiving some precipitation and a number of areas along the southern edge of the state receiving 2 inches or more.

August precipitation overall has shown a significant flip-flop from July. July precipitation was less than 0.50 inches over most of the state. August has brought more than 2 inches over most of the state, with 6 to 8 inches or more in several locations. These rains have removed much of the precipitation deficit for the growing season across the majority of the state. However, a few locations, such as Yankton, Vermillion, Hot Springs, Philip, Milesville, and Buffalo, continue to be several inches behind in precipitation since April 1.

The cloudy and rainy conditions kept temperatures much below average for the week. Only Sioux Falls was above average.

SOIL CONDITION

Soil moisture conditions improved significantly during the week. Topsoil moisture was rated at 81 percent adequate to surplus, up from last week's 65 percent and last year's 43 percent. Subsoil moisture was rated at 65 percent adequate to surplus, up from last week's 55 percent and last year's 25 percent.

FIELD CROPS REPORT

The corn crop is rated as 84 percent in or past the dough stage, placing it slightly behind last year's 87 percent but ahead of the five-year average of 79 percent. Percentage of corn dented jumped 16 percentage points from last week to 44 percent dented this week. Three percent of corn is mature, only slightly behind the average. Soybeans were 95 percent setting pods, 5 points behind last year and 2 points behind the five-year average. Ten percent of the soybean crop is in the stage of dropping leaves, behind last year and the five-year average of 15 percent. Sorghum coloring is rated at 59 percent, which is behind last year's 65 percent, but ahead of the five-year average of 44 percent. Sunflowers are rated at 97 percent blooming, slightly ahead of the 94 percent five-year average, but only 26 percent have ray flowers dry, which is slightly behind the normal of 33 percent. The small grain harvest is virtually complete.

LIVESTOCK, PASTURE, AND RANGE REPORT

Pasture and range conditions have improved with the precipitation and cooler conditions. Alfalfa condition improved from 43 percent good to excellent last week to 50 percent this week. Range and pasture conditions also improved from 43 percent good to excellent to 50 percent. Some areas of the state have had cooler-than-average temperatures, which has helped boost livestock conditions.

Feed and Water Supplies Comparison as of August 26, 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	21	15	13	32	26
Short	9	35	26	16	30	28
Adequate	81	43	55	62	38	45
Surplus	8	1	4	9	0	1

Soil Moisture Condition Comparison as of August 26, 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	4	14	26	14	14	45
Short	15	21	31	21	31	30
Adequate	77	61	42	62	51	25
Surplus	4	4	1	3	4	0

Crop and Livestock Conditions as of August 26, 2007

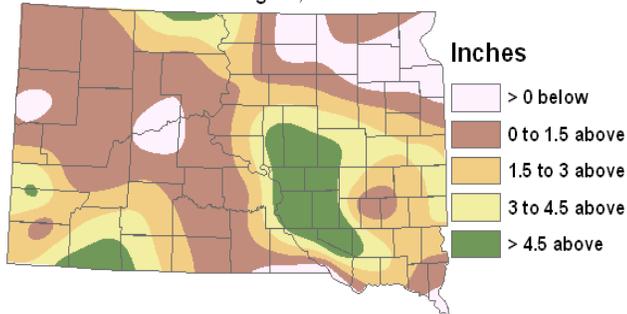
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	3	8	28	49	12
Soybeans	1	6	21	53	19
Sorghum	3	9	32	50	6
Sunflower	3	7	34	47	9
Alfalfa	4	7	39	44	6
Cattle	0	2	13	66	19
Sheep	0	1	11	69	19
Range & Pasture	4	12	34	43	7

Crop Progress as of August 26, 2007 ¹

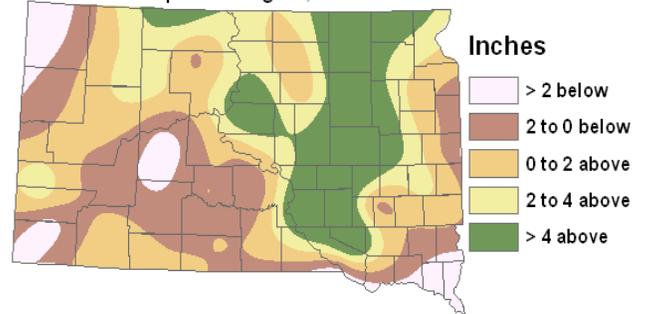
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Barley				
Harvested	100	97	99	97
Oats				
Harvested	100	100	100	99
Spring Wheat				
Harvested	100	96	100	99
Corn				
Dough	84	76	87	79
Dent	44	28	52	35
Mature	3	1	4	5
Silage Harvested	7	5	36	17
Soybeans				
Setting Pods	95	90	100	97
Dropping Leaves	10	3	15	15
Sorghum				
Coloring	59	38	65	44
Mature	4	2	2	2
Silage Harvested	16	13	39	22
Sunflower				
Blooming	97	89	96	94
Ray Flowers Dry	26	16	35	33
Bracts Yellow	6	4	14	15
Alfalfa				
3rd Cutting	57	54	56	45

¹ Percents represent all acreage in or beyond each stage.

Accumulated Precip Departure from Normal
for Jul 28 to Aug 26, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Aug 26, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, August 26, 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		
	<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	65	-5	93	44	0.46	15.73	12.87	-0.13	1.68	2,248	109
Buffalo	65	-1	92	45	0.25	10.61	8.51	-4.60	-2.78	2,153	360
Dupree	67	-3	96	48	0.92	17.31	14.08	0.87	2.10	2,386	223
McIntosh	64	-5	95	45	0.22	19.07	15.70	4.18	4.73	2,168	12
Newell	67	-4	93	48	0.55	13.35	10.03	-0.97	-0.20	2,283	145
Timber Lake	66	-4	92	47	0.60	16.61	12.12	-0.48	-0.01	2,288	141
North Central											
Aberdeen	66	-3	87	48	0.08	25.27	21.01	7.21	8.01	2,272	106
Faulkton	67	-3	87	48	0.38	18.92	14.00	0.72	1.26	2,260	71
Mobridge	68	-3	89	48	0.38	17.42	13.71	2.07	2.61	2,412	196
Roscoe	63	-5	80	49	0.36	18.25	14.32	-0.07	0.95	2,141	139
Northeast											
Britton	67	-2	86	47	0.04	23.47	19.15	5.22	5.86	2,393	247
Clear Lake	63	-5	77	50	0.72	21.63	15.34	-1.21	-0.39	2,152	167
Sisseton	66	-3	88	50	0.23	23.69	17.00	3.93	3.55	2,264	127
Watertown	67	0	83	50	0.57	20.10	14.79	0.61	0.87	2,276	353
Webster	67	-1	83	52	0.23	24.33	17.60	4.56	3.27	2,200	159
West Central											
Faith	67	-4	94	48	1.36	18.11	14.48	1.84	2.92	2,356	93
Milesville	69	-3	99	48	1.02	15.09	10.99	-2.97	-2.12	2,493	188
Philip	71	-1	98	52	0.41	12.97	9.06	-2.74	-2.43	2,586	293
Rapid City	68	-2	95	49	1.36	13.54	11.32	-1.79	0.24	2,334	294
Spearfish	67	-2	90	44	1.56	16.75	12.79	-3.19	-0.69	2,368	323
Central											
Chamberlain	67	-5	87	52	0.91	26.70	20.32	6.68	6.05	2,530	254
Highmore	66	-4	84	50	0.76	22.19	18.04	2.92	4.01	2,301	97
Huron	68	-2	85	51	1.03	27.52	22.27	8.72	9.07	2,489	217
Onida	67	-3	92	47	0.71	23.71	18.37	5.71	5.95	2,367	164
Pierre	68	-4	92	51	0.37	18.06	13.91	-0.02	0.90	2,476	88
East Central											
Brookings	66	-2	81	50	1.74	19.93	14.77	0.05	-0.04	2,202	201
Forestburg	69	-3	83	53	1.70	25.01	19.01	5.07	5.07	2,561	139
Madison	65	-2	82	51	1.79	23.67	17.99	1.58	2.49	2,317	306
Mitchell	70	-1	86	55	0.70	21.38	14.53	1.19	0.41	2,540	192
Sioux Falls	70	1	83	56	1.19	25.63	15.63	3.99	0.63	2,528	275
Southwest											
Custer	62	-2	87	44	1.36	19.33	16.23	0.95	2.60	1,781	261
Hot Springs	68	-1	97	48	0.94	11.74	9.10	-4.01	-2.78	2,409	267
Oelrichs	67	-4	87	45	1.47	12.40	10.39	-3.30	-1.05	2,452	251
Porcupine	66	-4	84	46	2.35	15.55	12.47	-0.42	0.78	2,437	275
South Central											
Kennebec	70	-3	90	51	1.05	18.33	12.07	1.32	-0.52	2,742	247
Mission	68	-3	89	50	1.17	19.69	13.54	1.46	0.01	2,481	295
Murdo	69	-3	86	55	1.24	17.43	12.72	-0.89	-0.05	2,498	216
Winner	71	-2	91	53	1.29	23.39	15.74	2.08	0.73	2,617	82
Southeast											
Armour	70	-3	87	53	1.49	30.01	22.08	8.89	7.45	2,665	118
Centerville	70	0	86	55	1.53	19.48	13.04	-2.65	-2.79	2,577	215
Pickstown	68	-4	93	52	0.91	21.47	14.14	0.78	-0.70	2,574	136
Vermillion	71	-1	87	57	2.26	19.60	11.29	-2.93	-4.62	2,773	132
Yankton	71	0	90	56	2.91	23.23	13.74	0.74	-2.41	2,614	200

DATA AND MAP SOURCE: State Climate Office of South Dakota