

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

The last week has brought varying levels of precipitation to most areas of the state. With 5.2 days suitable for fieldwork, major farm activities included caring for livestock, cutting silage and preparing to seed 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

Several isolated but heavy precipitation-producing storms hit South Dakota during the week, according to the State Climate Office of South Dakota. Flash flooding caused damage in Piedmont, Hermosa and Mobridge. These towns and several others experienced some of the heaviest rainfall during the week as amounts over 4 inches occurred mostly over the weekend. The above locations, McIntosh, Mobridge, Faulkton, Custer, Oelrichs and some other isolated areas were the biggest winners of the week with precipitation totals in the vicinity of 3 to 4 inches or more. Much of the state received at least some precipitation, helping the overall dry conditions.

Weekly average temperatures showed an interesting contrast with stations roughly in the northeast half below average and stations in the southwest half above average. Temperatures did peak well above 100° F at many locations again last week.

Despite the rainfalls, many locations are still far behind average on growing season precipitation. In contrast many locations show well above average growing season precipitation because of the several extremely heavy events during the season.

SOIL CONDITION

Soil moisture conditions have shown strong improvements, which should benefit the row crops. Topsoil moisture was rated at 65 percent adequate to surplus, up from last week's 49 percent and last year's 37 percent. Subsoil moisture was rated at 55 percent adequate to surplus, up from last week's 44 percent and last year's 23 percent.

FIELD CROPS REPORT

The corn crop is rated as 76 percent in or past the dough stage, which marks a 35 percentage point jump from last week's rating, placing it ahead of last year's 70 percent and the five-year average of 58 percent. Soybeans are rated as 90 percent setting pods, slightly behind last year, but the same as the five-year average. Three percent of the soybean crop is in the stage of dropping leaves, behind last year's 7 percent and the average of 6 percent. Sorghum is nearly all headed at 96 percent. Sorghum coloring is rated at 38 percent, which is behind last year's 52 percent, but ahead of the five-year average of 31 percent. Sunflowers are rated at 89 percent blooming, slightly ahead of the 86 percent five-year average, but only 16 percent have ray flowers dry, which is slightly behind the normal of 21 percent. The small grain harvest is virtually complete, with barley 97 percent harvested and spring wheat 96 percent harvested. Both are slightly ahead of the five-year average.

LIVESTOCK, PASTURE, AND RANGE REPORT

Alfalfa, as well as, range and pasture conditions have responded to the recent rainfall with slight improvements. Alfalfa condition improved from 41 percent good to excellent last week to 43 percent this week. Meanwhile, range and pasture conditions also improved from 41 percent good to excellent to 43 percent. Some areas of the state have had cooler-than-average temperatures, allowing livestock a reprieve from the heat.

Feed and Water Supplies Comparison as of August 19, 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	18	13	16	34	27
Short	13	35	27	17	32	28
Adequate	79	46	56	62	34	44
Surplus	6	1	4	5	0	1

Soil Moisture Condition Comparison as of August 19, 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	14	17	32	14	16	47
Short	21	34	32	31	40	30
Adequate	61	47	35	51	42	23
Surplus	4	2	1	4	2	0

Crop and Livestock Conditions as of August 19, 2007

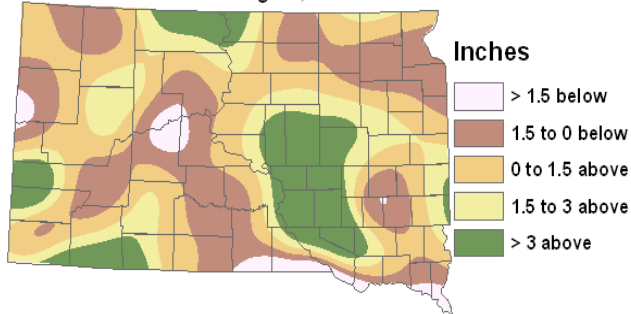
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	3	10	28	50	9
Soybeans	1	4	24	55	16
Sorghum	3	8	37	46	6
Sunflower	3	5	37	49	6
Alfalfa	6	19	32	39	4
Cattle	0	2	18	67	13
Sheep	0	1	14	67	18
Range & Pasture	5	14	38	39	4

Crop Progress as of August 19, 2007 ¹

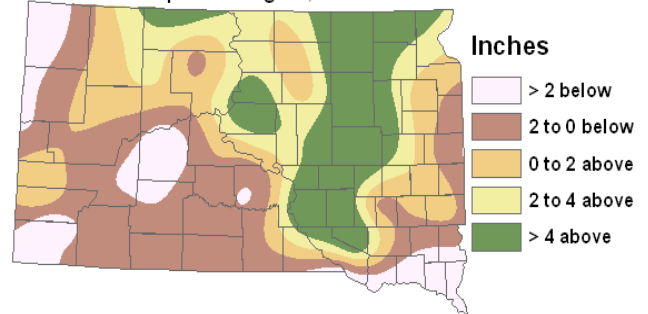
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Barley				
Harvested	97	80	95	89
Oats				
Harvested	100	95	99	96
Spring Wheat				
Harvested	96	90	100	94
Corn				
Dough	76	41	70	58
Dent	28	10	29	17
Mature	1	0	2	2
Silage Harvested	5	4	21	10
Soybeans				
Setting Pods	90	84	96	90
Dropping Leaves	3	*1	7	6
Sorghum				
Headed	96	92	96	89
Coloring	38	17	52	31
Silage Harvested	13	1	28	14
Sunflower				
Blooming	89	63	89	86
Ray Flowers Dry	16	7	24	21
Bracts Yellow	4	2	9	9
Alfalfa				
3rd Cutting	54	32	39	33
Other Hay				
Cut	97	94	98	96

¹ Percents represent all acreage in or beyond each stage.
* Revised

Accumulated Precip Departure from Normal
for Jul 21 to Aug 19, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Aug 19, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, August 19, 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	69	-3	96	52	0.68	15.27	12.41	-0.31	1.50	2,142	145
Buffalo	71	3	94	52	0.92	10.36	8.26	-4.57	-2.75	2,047	370
Dupree	72	0	98	57	0.52	16.39	13.16	0.30	1.53	2,269	245
McIntosh	66	-6	94	53	4.22	18.85	15.48	4.31	4.86	2,067	48
Newell	75	3	100	54	0.59	12.80	9.48	-1.24	-0.47	2,168	173
Timber Lake	70	-2	95	57	0.68	16.01	11.52	-0.68	-0.21	2,179	169
North Central											
Aberdeen	67	-4	96	55	1.80	25.19	20.93	7.66	8.46	2,161	128
Faulkton	68	-3	101	55	3.73	18.54	13.62	0.93	1.47	2,143	92
Mobridge	70	-2	100	59	4.60	17.04	13.33	2.10	2.64	2,287	215
Roscoe	67	-3	97	53	1.47	17.89	13.96	0.09	1.11	2,051	172
Northeast											
Britton	66	-5	92	52	1.67	23.43	19.11	5.67	6.31	2,271	258
Clear Lake	67	-2	89	55	1.30	20.91	14.62	-1.23	-0.41	2,060	198
Sisseton	65	-5	90	50	0.91	23.46	16.77	4.26	3.88	2,153	147
Watertown	67	-1	91	54	1.55	19.53	14.22	0.67	0.93	2,160	353
Webster	66	-4	91	56	1.01	24.10	17.37	4.97	3.68	2,084	169
West Central											
Faith	72	-2	101	55	0.79	16.75	13.12	0.73	1.81	2,239	127
Milesville	76	2	109	57	0.32	14.07	9.97	-3.60	-2.75	2,368	214
Philip	77	3	110	63	1.87	12.56	8.64	-2.80	-2.50	2,447	301
Rapid City	78	6	107	60	0.52	12.18	9.96	-2.80	-0.77	2,213	312
Spearfish	72	1	94	50	0.24	15.19	11.23	-4.40	-1.90	2,248	336
Central											
Chamberlain	74	1	94	62	0.13	25.79	19.41	6.26	5.63	2,415	289
Highmore	70	-2	96	56	1.08	21.43	17.28	2.61	3.70	2,187	125
Huron	71	-1	92	57	0.98	26.49	21.24	8.11	8.46	2,360	228
Onida	72	0	100	58	0.29	23.00	17.66	5.45	5.69	2,246	183
Pierre	74	0	104	60	0.31	17.69	13.54	0.00	0.92	2,350	118
East Central											
Brookings	68	-1	90	52	1.89	18.19	13.03	-1.01	-1.10	2,092	212
Forestburg	73	0	91	58	1.44	23.31	17.31	3.84	3.84	2,431	159
Madison	70	1	89	55	2.22	21.88	16.20	0.49	1.40	2,209	321
Mitchell	74	1	94	60	0.91	20.68	13.83	1.05	0.27	2,401	198
Sioux Falls	74	2	90	59	1.65	24.44	14.44	3.50	0.14	2,388	272
Southwest											
Custer	70	5	95	52	3.57	17.97	14.87	0.08	1.73	1,694	274
Hot Springs	78	8	102	59	0.22	10.80	8.16	-4.60	-3.37	2,286	275
Oelrichs	79	6	104	60	3.40	10.93	8.92	-4.42	-2.17	2,333	272
Porcupine	77	5	104	61	0.97	13.20	10.12	-2.46	-1.26	2,323	300
South Central											
Kennebec	76	0	100	58	0.29	17.28	11.02	0.69	-1.15	2,604	265
Mission	75	3	102	59	0.37	18.52	12.37	0.67	-0.78	2,360	317
Murdo	76	3	105	60	0.35	16.19	11.48	-1.81	-0.97	2,368	237
Winner	76	1	105	64	0.72	22.10	14.45	1.21	-0.14	2,472	97
Southeast											
Armour	76	2	99	58	1.10	28.52	20.59	7.89	6.45	2,524	136
Centerville	74	2	91	58	0.39	17.95	11.51	-3.55	-3.69	2,437	216
Pickstown	76	2	98	63	1.25	20.56	13.23	0.42	-1.06	2,452	170
Vermillion	78	3	92	59	0.43	17.34	9.03	-4.56	-6.25	2,624	143
Yankton	74	2	94	59	0.56	20.32	10.83	-1.54	-4.69	2,469	202

DATA AND MAP SOURCE: State Climate Office of South Dakota