

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Late in the week, temperatures cooled dramatically, bringing showers over most of the state. Conditions were dry enough for 5.5 days suitable for fieldwork. Major farm activities included cutting silage, 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.

WEATHER INFORMATION

A late week cold front passed through the state bringing significant changes in temperature across the state, according to the State Climate Office of South Dakota. While temperatures early in the week, ahead of the front, reached into the 90s and even some 100s (Milesville and Timber Lake were highest at 104° F), late week highs behind the front reached only the 60s and 70s across the whole state. Low temperatures fell into the 30s in northern and western parts of the state (Roscoe and Dupree reached 35° F, while Custer fell to 31° F). Even with the late week cool-down, temperatures were still mostly above average across the state. Average highs for this time of year are in the upper 70s to lower 80s.

A few locations received over an inch of rain during the week, with Hot Springs the highest, at 1.41 inches. Total precipitation values varied greatly with Newell receiving only 0.01 of an inch.

The most recent US Drought Monitor continued to reduce the severity of the drought overall by removing areas of D3 in the southwest and D1 in the southeast part of the state. Impacts still exist in much of the southwest part of the state and in the far northeast, where precipitation deficits still exist for this growing season.

SOIL CONDITION

Soil temperatures remain in the upper 60s to mid-70s. Soil moisture conditions held steady from last week. Topsoil moisture was rated at 77 percent adequate to surplus, up from last year's 53 percent. Subsoil moisture was rated at 61 percent adequate to surplus, up from last year's 36 percent.

FIELD CROPS REPORT

Corn has 87 percent of the crop in or past the dented stage, slightly behind last year's 89 percent, but ahead of the five-year average of 75 percent. Twenty-five percent of corn is rated mature, ahead of both last year and the five-year average, at 16 and 17 percent, respectively. Forty-two percent of soybeans are dropping leaves, a 28 percentage point jump from last week, placing it close to last year's 40 percent. Sorghum coloring is rated at 89 percent, while sorghum mature is at 19 percent. Both sorghum stages are ahead of normal. The sunflower crop has 84 percent of its ray flowers dry and 64 percent of its bracts yellow, both are noticeably ahead of last year and the five-year average. Ten percent of winter wheat has been planted, which is behind last year's 20 percent and the five-year average of 18 percent planted.

LIVESTOCK, PASTURE, AND RANGE REPORT

The recent rains should extend grazing for some producers. Alfalfa condition continues to improve, now rated at 63 percent good to excellent, up from 56 percent last week. Range and pasture conditions improved only 1 percentage point, to 57 percent good to excellent. Both corn and sorghum silage harvest made good progress this week. Corn silage harvested advanced to 30 percent complete, which is still behind the average of 44 percent. Sorghum silage harvested is at 40 percent, also behind the average of 47 percent. Cattle condition diminished slightly, from 89 percent good to excellent last week to 86 percent this week. Similarly, sheep condition dropped slightly from 92 good to excellent to 89 percent.

Feed and Water Supplies Comparison as of September 9, 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	1	21	15	13	30	29
Short	10	29	24	17	26	26
Adequate	78	49	57	62	42	44
Surplus	11	1	4	8	2	1

Soil Moisture Condition Comparison as of September 9, 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	5	8	19	10	12	37
Short	18	15	28	29	27	27
Adequate	74	73	50	58	59	34
Surplus	3	4	3	3	2	2

Crop and Livestock Conditions as of September 9, 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	9	24	54	10
Soybeans	1	4	20	54	21
Sorghum	2	6	29	55	8
Sunflower	2	4	37	45	12
Alfalfa	3	4	30	56	7
Cattle	0	1	13	64	22
Sheep	0	1	10	69	20
Range & Pasture	3	9	31	49	8

Crop Progress as of September 9, 2007 ¹

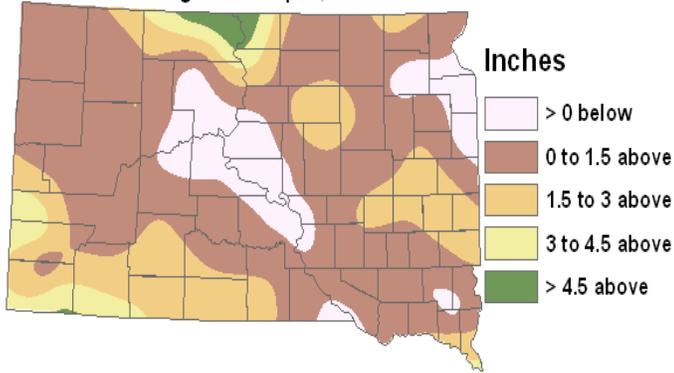
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Seeded	10	5	20	18
Emerged	0	0	0	1
Corn				
Dent	87	70	89	75
Mature	25	6	16	17
Silage Harvested	30	13	66	44
Soybeans				
Dropping Leaves	42	14	40	45
Mature	5	1	4	7
Sorghum				
Coloring	89	86	85	80
Mature	19	11	16	14
Grain Harvested	0	0	0	1
Silage Harvested	40	22	64	47
Sunflower				
Ray Flowers Dry	84	74	76	73
Bracts Yellow	64	49	48	47
Mature	4	0	4	5
Alfalfa				
3rd Cutting	80	71	72	71

¹ Percents represent all acreage in or beyond each stage.

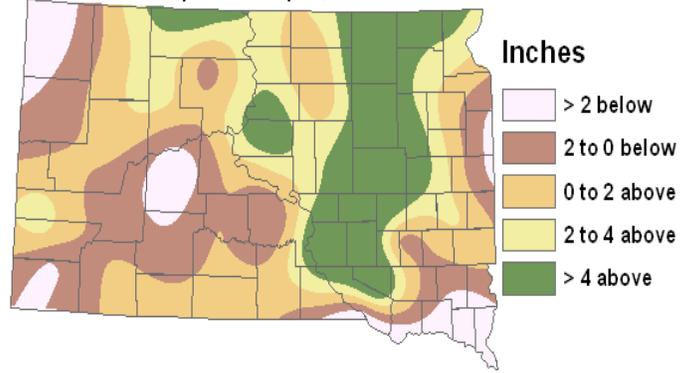
Soil Temperatures Week Ending September 9, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	71	Nisland	71
Brookings	67	Oacoma	74
Caputa	65	Pierre	75
Cottonwood	70	Redfield	67
Gettysburg	NA	South Shore	68

Accumulated Precip Departure from Normal
for Aug 11 to Sep 9, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Sep 9, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, September 9, 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	64	-1	100	37	0.11	15.91	13.05	-0.51	1.30	2,469	104
Buffalo	63	2	99	37	0.45	11.13	9.03	-4.64	-2.82	2,373	390
Dupree	69	4	102	35	0.15	17.66	14.43	0.63	1.86	2,647	261
McIntosh	64	0	100	37	0.99	20.07	16.70	4.53	5.08	2,384	11
Newell	66	1	100	40	0.01	13.36	10.04	-1.40	-0.63	2,507	140
Timber Lake	68	4	104	36	0.33	16.97	12.48	-0.75	-0.28	2,532	167
North Central											
Aberdeen	65	2	93	39	0.86	26.13	21.87	7.17	7.97	2,505	128
Faulkton	65	0	95	40	1.02	19.95	15.03	0.78	1.32	2,483	70
Mobridge	67	2	96	39	0.95	18.42	14.71	2.39	2.93	2,664	218
Roscoe	67	4	98	35	0.36	18.63	14.70	-0.58	0.44	2,375	175
Northeast											
Britton	69	5	97	42	0.78	24.31	19.99	5.08	5.72	2,649	287
Clear Lake	68	6	89	46	0.13	21.78	15.49	-2.36	-1.54	2,398	218
Sisseton	68	5	95	46	1.16	24.94	18.25	4.18	3.80	2,511	165
Watertown	67	6	90	44	1.21	21.31	16.00	0.72	0.98	2,524	417
Webster	66	4	91	45	0.95	25.30	18.57	4.49	3.20	2,433	197
West Central											
Faith	65	-1	98	38	0.10	18.24	14.61	1.50	2.58	2,592	83
Milesville	69	3	104	38	0.05	15.21	11.11	-3.50	-2.65	2,747	193
Philip	68	2	101	39	0.48	13.45	9.54	-2.85	-2.54	2,844	302
Rapid City	67	2	98	38	0.53	14.10	11.88	-1.80	0.23	2,575	312
Spearfish	68	5	96	42	0.72	17.59	13.63	-3.01	-0.51	2,616	359
Central											
Chamberlain	69	2	96	48	0.96	27.66	21.28	6.66	6.03	2,826	298
Highmore	69	4	98	39	0.31	22.50	18.35	2.41	3.50	2,557	122
Huron	69	4	93	45	0.47	27.99	22.74	8.35	8.70	2,753	254
Onida	69	4	101	39	0.31	24.02	18.68	5.23	5.47	2,627	195
Pierre	70	3	102	42	0.52	18.73	14.58	-0.05	0.87	2,733	84
East Central											
Brookings	69	6	88	45	0.21	20.43	15.27	-0.71	-0.80	2,459	263
Forestburg	69	2	90	46	0.98	26.27	20.27	5.41	5.41	2,834	162
Madison	69	6	87	45	0.44	24.73	19.05	1.30	2.21	2,581	369
Mitchell	70	4	93	50	0.53	22.29	15.44	0.98	0.20	2,813	229
Sioux Falls	69	4	89	49	1.18	27.14	17.14	4.21	0.85	2,803	328
Southwest											
Custer	59	0	87	31	0.64	20.01	16.91	0.84	2.49	1,970	273
Hot Springs	69	5	95	43	1.41	13.15	10.51	-3.30	-2.07	2,668	301
Oelrichs	69	4	99	45	0.26	12.66	10.65	-3.73	-1.48	2,701	260
Porcupine	68	4	97	40	0.08	15.63	12.55	-0.90	0.30	2,685	290
South Central											
Kennebec	73	5	100	42	0.38	18.71	12.45	0.98	-0.86	3,036	266
Mission	72	7	98	46	1.50	21.20	15.05	2.27	0.82	2,762	343
Murdo	73	6	99	45	0.49	17.93	13.22	-0.95	-0.11	2,786	252
Winner	70	1	98	46	1.23	24.85	17.20	2.60	1.25	2,904	88
Southeast											
Armour	70	1	92	46	0.17	30.78	22.85	8.64	7.20	2,952	134
Centerville	70	4	91	50	0.32	20.12	13.68	-3.15	-3.29	2,862	263
Pickstown	76	8	95	60	0.12	21.59	14.26	-0.22	-1.70	2,897	199
Vermillion	71	2	89	50	0.57	21.78	13.47	-1.94	-3.63	3,069	152
Yankton	72	6	94	47	0.04	23.59	14.10	-0.05	-3.20	2,906	244

DATA AND MAP SOURCE: State Climate Office of South Dakota