

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Cool weather and statewide precipitation slowed crop progress but helped ease some concerns of moisture deficiencies in cropland and pastures across the state. There were 5.4 days suitable for fieldwork in the past week. Farm activities focused on the general care of livestock, the seeding of fall-planted crops, the beginning of the silage harvest, and preparing machinery for the row crop harvest.

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

WEATHER INFORMATION

Very cool temperatures were prevalent over the state during the week, according to the State Climate Office of South Dakota. All stations were well below average, ranging from 3 degrees below average at Roscoe to 14 degrees below average at Custer. At the extreme, most locations dipped into the 30s at least once during the week. Extension reports indicated localized frost occurrence with some minor crop damage early in the week. The temperatures for the week set back accumulation of GDDs when additional GDD accumulation is needed for crops to reach maturity.

All reporting locations received some precipitation with an area from around Winner to the northeast corner of the state accumulating several inches. Most other accumulations were less than an inch. Webster reported the most at 4.08 inches. The lowest was Milesville at 0.23 inch.

SOIL CONDITION

Statewide precipitation improved topsoil moisture ratings to 60 percent in the adequate to surplus categories, up 7 percentage points from last week. Subsoil moisture ratings remained the same as last week, at 62 percent in the adequate to surplus categories. Because of the extended dry conditions in the southeast part of the state, the US Drought Monitor did introduce a D1 (Moderate Drought) area from around Brookings to the Yankton area. However, the area of the state classified as D0 (Abnormally Dry) or higher has dropped to 27.3%. The cool temperatures have dropped soil temperatures, generally in the 60s across the state.

FIELD CROPS REPORT

Cooler temperatures slowed the maturity of row crops somewhat, leaving producers concerned about the damage of future freezing temperatures. Corn advanced 27 percentage points in the dent stage over the last week, now estimated at 63 percent. The soybean crop is currently 26 percent in the dropping leaves stage, 14 percentage points higher than last week. Sunflowers are currently 34 percent in the bracts yellow stage, up 21 percentage points from last week. Sorghum is 67 percent coloring, a 13 percentage point jump from last week. Ten percent of the winter wheat has been seeded, but some producers are concerned about the current lack of soil moisture that is needed for the fall-planted crop.

LIVESTOCK, PASTURE, AND RANGE REPORT

Range and pasture conditions have dropped 6 percentage points, to 63 percent in the good to excellent categories, due to concerns about hot, dry weather over the last month combined with near-frost temperatures over the past week. Feed supplies and stock water supplies saw little change and remained at a strong 94 and 86 percent adequate to surplus, respectively. Livestock conditions have remained stable with cattle rated 89 percent good to excellent and sheep rated 92 percent good to excellent. Normal fall livestock activities are starting on schedule in South Dakota.

Feed and Water Supplies Comparison as of September 7, 2008

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	0	1	9	2	13	25
Short	6	9	20	12	17	25
Adequate	80	80	65	77	63	47
Surplus	14	10	6	9	7	3

Soil Moisture Condition Comparison as of September 7, 2008

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	9	6	5	7	11
Short	35	38	17	33	31	28
Adequate	56	51	74	58	60	58
Surplus	4	2	3	4	2	3

Crop and Livestock Conditions as of September 7, 2008

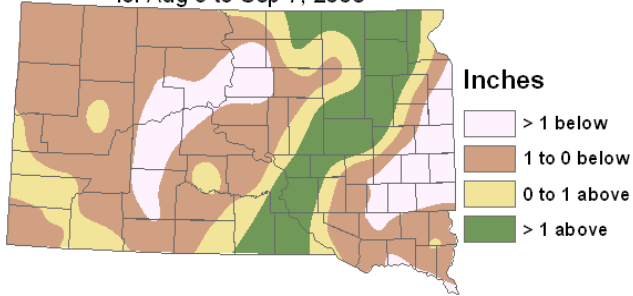
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	1	5	15	51	28
Soybeans	1	3	18	51	27
Sorghum	3	4	22	55	16
Sunflower	1	2	22	54	21
Alfalfa	1	3	19	57	20
Cattle	0	1	10	68	21
Sheep	0	0	8	63	29
Range & Pasture	1	9	27	48	15

Crop Progress as of September 7, 2008 ¹

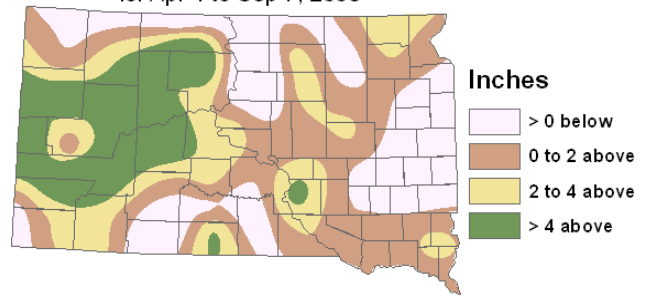
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Seeded	10	3	9	13
Corn				
Dough	93	83	99	96
Dent	63	36	82	72
Mature	2	1	20	13
Silage Harvested	13	3	25	37
Soybeans				
Dropping Leaves	26	12	34	38
Mature	0	0	4	4
Sorghum				
Headed	97	93	100	100
Coloring	67	54	88	79
Mature	2	0	17	11
Silage Harvested	14	4	35	41
Sunflower				
Ray Flowers Dry	64	45	81	68
Bracts Yellow	34	13	60	43
Mature	0	0	3	3
Alfalfa				
3rd Cutting	66	51	77	71

¹ Percents represent all acreage in or beyond each stage.

PAST 30 DAYS
Accumulated Precip Deviation from Average
for Aug 9 to Sep 7, 2008



GROWING SEASON
Accumulated Precip Deviation from Average
for Apr 1 to Sep 7, 2008



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, September 7, 2008

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		
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
Northwest											
Bison	57	-9	84	39	0.40	16.22	13.78	-0.14	2.11	2,182	-155
Buffalo	52	-10	66	37	0.33	13.66	12.06	-2.06	0.29	1,964	5
Dupree	58	-7	92	34	0.25	22.25	19.66	5.27	7.17	2,271	-88
McIntosh	55	-10	70	38	0.50	11.12	9.62	-4.36	-1.92	1,974	-372
Newell	57	-8	95	41	0.39	19.11	16.12	4.39	5.51	2,062	-276
Timber Lake	59	-6	96	38	0.57	23.92	21.64	6.25	8.96	2,213	-126
North Central											
Aberdeen	57	-7	89	36	1.16	17.29	12.82	-1.58	-0.96	2,209	-142
Faulkton	59	-7	90	39	0.66	20.13	16.24	1.05	2.65	2,164	-222
Mobridge	58	-8	86	37	0.47	14.93	12.15	-1.04	0.45	2,217	-202
Roscoe	60	-3	90	39	1.23	20.40	16.24	1.28	2.10	2,073	-103
Northeast											
Britton	59	-6	88	39	2.16	20.21	17.32	1.10	3.19	2,342	6
Clear Lake	59	-4	87	40	0.39	21.46	15.17	-2.54	-1.68	2,025	-132
Sisseton	61	-4	92	43	2.22	21.73	16.11	1.08	1.80	2,147	-173
Watertown	58	-4	87	39	0.76	18.79	13.92	-1.69	-0.96	2,022	-62
Webster	59	-4	89	42	4.08	22.51	16.93	1.80	1.69	2,106	-107
West Central											
Faith	58	-8	89	37	0.29	21.41	18.75	4.72	6.80	2,207	-272
Milesville	59	-9	80	37	0.23	25.10	22.00	6.44	8.32	2,321	-202
Philip	57	-10	78	35	0.24	19.65	15.72	3.40	3.72	2,394	-117
Rapid City	53	-12	71	38	0.67	20.26	17.80	4.42	6.23	1,972	-263
Spearfish	60	-5	94	44	1.05	29.76	23.35	9.21	9.29	2,186	-45
Central											
Chamberlain	64	-4	93	47	3.71	26.88	19.37	5.99	4.26	2,442	-54
Highmore	61	-5	92	38	0.45	21.21	15.18	1.19	0.43	2,262	-144
Huron	60	-6	93	39	2.52	21.48	15.77	1.93	1.85	2,335	-136
Onida	58	-8	89	37	0.93	19.60	13.74	0.88	0.63	2,271	-132
Pierre	59	-9	87	39	0.75	23.06	16.22	4.36	2.61	2,331	-285
East Central											
Brookings	59	-4	88	36	0.21	18.73	13.24	-2.25	-2.65	2,074	-98
Forestburg	60	-7	90	39	1.25	20.34	14.20	-0.41	-0.52	2,452	-189
Madison	60	-4	88	39	0.27	20.06	13.53	-3.22	-3.13	2,105	-82
Mitchell	60	-7	93	42	0.71	21.05	14.46	-0.13	-0.62	2,534	-22
Sioux Falls	60	-5	89	42	0.42	25.44	15.88	2.66	-0.23	2,433	-15
Southwest											
Custer	46	-14	68	31	0.92	22.80	19.15	3.70	4.83	1,516	-157
Hot Springs	58	-7	94	38	1.09	19.05	14.80	2.68	2.32	2,178	-159
Oelrichs	60	-6	80	41	0.92	17.44	14.66	1.12	2.62	2,206	-204
Porcupine	57	-8	94	31	0.50	17.29	14.38	0.82	2.21	2,223	-141
South Central											
Kennebec	58	-11	91	36	0.90	19.00	13.46	1.34	0.25	2,503	-231
Mission	61	-5	92	40	1.48	23.92	17.75	5.06	3.62	2,306	-84
Murdo	62	-5	95	41	0.68	21.97	15.59	3.14	2.34	2,391	-111
Winner	59	-10	92	41	2.53	21.59	14.60	-0.55	-1.21	2,512	-269
Southeast											
Armour	60	-9	91	42	0.54	23.75	15.74	1.73	0.25	2,481	-303
Centerville	61	-6	89	41	0.43	27.48	19.32	4.34	2.51	2,384	-185
Pickstown	63	-5	90	39	0.97	25.59	16.93	3.91	1.13	2,471	-194
Vermillion	61	-8	88	41	0.65	26.86	17.51	3.27	0.57	2,641	-240
Yankton	63	-5	92	42	0.92	27.47	17.66	3.95	0.52	2,566	-65

DATA AND MAP SOURCE: State Climate Office of South Dakota