

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Storms hit again early in the week, causing some crop damage and moisture in nearly the entire state. Cooler temperatures are good for the livestock but the crops could use some heat. Grasshoppers and other insects are becoming populated in some central areas of the state. There were 5.1 days suitable for field work last week. Major farm activities included continuing of hay cutting and spraying of row crops, the start of small grain harvest, and clean up after storms passed through various locations.

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

WEATHER INFORMATION

Cooler temperatures were the main issue for the week again as the whole state experienced below average temperature, according to the State Climate Office of South Dakota. The far west was the warmest at only 1-3°F below average, while East River had temperatures as much as 8 – 10°F below average. Saturday morning saw several low temperature records tied or broken in stations east of the river. The last couple weeks of cooler temperatures have slowed GDD accumulation in most of the state. Many locations in the east are 7-10 days behind normal. Oelrichs reported the highest temperature of the week at 98°F. Bison, Highmore and Madison reported the lowest temperatures of the week at 43°F.

Nearly the whole state reported precipitation for the week, although many amounts were quite small. At least five stations reported two inches or more of precipitation. Milesville had the highest total at 3.74 inches. Custer reported the least precipitation at 0.15 inches. Although growing season precipitation totals in many locations are below average, the cooler temperatures have helped mitigate potential dryness issues because of reduced crop water use under cooler conditions.

After a significant severe weather day last Monday with tornadoes, hail and strong winds, most of the state was very quiet for the balance of the week.

SOIL CONDITION

Topsoil moisture increased this week to 78 percent in the adequate to surplus range, better than last year's rating of 75 percent in the adequate to surplus range. Subsoil moisture rated 72 percent in the adequate to surplus range, compared to 79 percent last year.

FIELD CROPS REPORT

Soybeans are at 50 percent blooming, 3 percentage points ahead of last year. Five percent of soybeans are setting pods, slightly ahead of last year's 4 percent. Corn this week is at 18 percent tasseled, compared to 5 percent last year, and 35 percent for the five year average. Corn silked is at 3 percent compared to 2 percent last year. Average corn height is at 52 inches, 5 inches higher than last year. Small grain harvest is under way with 5 percent of winter wheat harvested, ahead of last year by 1 percentage point. Forty-six percent of winter wheat is rated ripe compared to 33 percent last year. Oats are starting to be harvested with 1 percent reported this week. Sixty-two percent of the oats are reported as turning color, ahead of the 52 percent from last year. Oats rated as ripe is at 6 percent, behind last year's 10 percent rating.

Feed and Water Supplies Comparison as of July 19, 2009

Rating	Feed Supplies			Stock Water Supplies		
	This Week	Last Year	5 Yr. Avg.	This Week	Last Year	5 Yr. Avg.
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	1	0	5	1	2	13
Short	5	3	14	8	11	20
Adequate	87	86	73	79	76	62
Surplus	7	11	8	12	11	5

LIVESTOCK, PASTURE, AND RANGE REPORT

Sheep rated at 88 percent in the good to excellent conditions.. Cattle rated at 86 percent in the good to excellent conditions. Range and pasture conditions increased this week to 73 percent in the good to excellent conditions.

Soil Moisture Condition Comparison as of July 19, 2009

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	4	7	3	7	9	2
Short	18	18	26	21	22	19
Adequate	71	65	68	63	62	74
Surplus	7	10	3	9	7	5

Crop and Livestock Conditions as of July 19, 2009

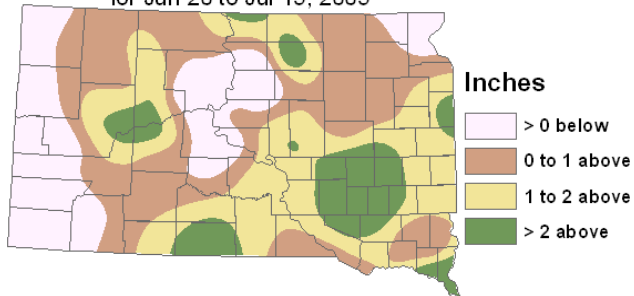
Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	4	10	31	44	11
Spring Wheat	1	8	25	48	18
Barley	1	7	24	58	10
Oats	1	3	34	48	14
Corn	1	4	21	56	18
Soybeans	1	2	25	59	13
Sorghum	1	2	16	66	15
Sunflower	0	3	19	66	12
Alfalfa	3	10	19	52	16
Cattle	0	1	13	62	24
Sheep	0	1	11	61	27
Range & Pasture	3	5	19	56	17

Crop Progress as of July 19, 2009 ¹

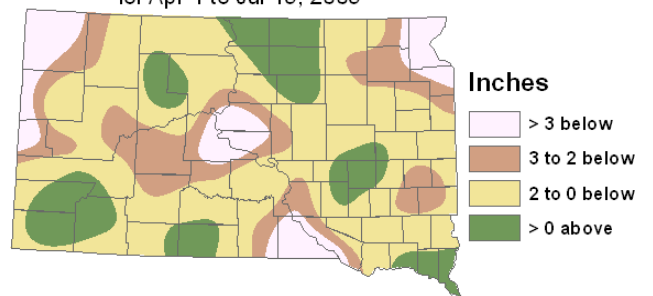
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
Winter Wheat				
Turning Color	98	89	95	99
Ripe	46	21	33	71
Harvested	5	1	4	45
Barley				
Headed	97	87	98	99
Turning Color	55	36	47	71
Ripe	1	0	2	19
Harvested	0	0	0	3
Oats				
Headed	98	93	98	99
Turning Color	62	33	57	76
Ripe	6	0	10	33
Harvested	1	0	2	14
Spring Wheat				
Headed	99	87	99	100
Turning Color	54	24	38	76
Ripe	1	0	2	24
Harvested	0	0	0	7
Corn				
Ave. Height (in.)	52	38	47	58
2nd cult./spray	77	56	79	90
Tasseled	18	2	5	35
Silked	3	0	2	15
Soybeans				
Blooming	50	28	47	59
Setting Pods	5	0	4	6
Sorghum				
Headed	14	6	1	16
Sunflower				
Blooming	5	1	1	4
Alfalfa				
1st Cutting	97	94	95	97
2nd Cutting	31	17	32	50
Other Hay				
Cut	69	60	70	75

¹ Percents represent all acreage in or beyond each stage.

PAST 30 DAYS
Accumulated Precip Deviation from Average
for Jun 20 to Jul 19, 2009



GROWING SEASON
Accumulated Precip Deviation from Average
for Apr 1 to Jul 19, 2009



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, July 19, 2009

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	-7	90	43	0.35	17.56	7.59	3.74	-1.56	1,115	-191
Buffalo	67	-1	96	48	0.18	12.08	5.59	-1.29	-3.85	1,043	-20
Dupree	66	-6	87	47	2.03	18.52	11.12	4.30	1.36	1,212	-123
McIntosh	62	-10	84	46	1.49	15.61	8.40	2.94	-0.35	1,041	-288
Newell	69	-4	87	52	1.27	13.85	7.36	1.29	-1.11	1,097	-198
Timber Lake	64	-8	86	44	1.25	17.48	8.79	2.88	-0.85	1,203	-107
North Central											
Aberdeen	64	-7	79	49	1.16	16.60	8.02	1.67	-1.85	1,192	-148
Faulkton	64	-8	80	45	0.85	17.00	10.25	2.12	0.83	1,185	-167
Mobridge	65	-8	83	46	2.14	14.92	8.28	2.02	-0.37	1,186	-156
Roscoe	63	-8	78	47	2.69	19.76	12.12	4.52	1.83	1,112	-111
Northeast											
Britton	62	-9	78	44	1.36	19.87	8.48	4.72	-1.71	1,070	-264
Clear Lake	62	-8	78	48	0.52	21.82	10.00	2.83	-1.88	1,066	-154
Sisseton	63	-9	79	51	0.60	17.73	5.99	1.34	-4.09	1,163	-160
Watertown	62	-7	78	45	0.54	17.64	8.79	1.62	-1.66	1,098	-87
Webster	62	-9	77	49	1.04	17.28	7.65	1.60	-2.59	1,111	-134
West Central											
Faith	67	-7	90	49	1.09	14.36	8.57	0.18	-0.90	1,115	-276
Milesville	68	-5	90	51	3.74	15.36	8.26	0.07	-2.08	1,272	-160
Philip	70	-4	95	49	0.44	12.73	6.29	-0.72	-2.94	1,328	-112
Rapid City	68	-3	92	49	0.73	14.66	8.53	1.45	-0.43	1,080	-131
Spearfish	70	-1	92	53	0.48	17.15	7.57	-0.64	-3.76	1,228	2
Central											
Chamberlain	68	-5	83	49	0.34	15.38	8.67	-1.65	-2.61	1,360	-54
Highmore	65	-7	82	43	2.00	13.77	8.39	-2.37	-2.51	1,216	-143
Huron	66	-7	82	47	0.20	19.40	9.92	3.38	-0.50	1,292	-121
Onida	63	-10	81	44	0.68	12.57	6.27	-2.63	-3.35	1,184	-183
Pierre	68	-7	88	48	0.81	12.92	6.32	-2.62	-4.15	1,298	-188
East Central											
Brookings	63	-7	81	46	0.69	19.07	10.64	2.76	-0.60	1,130	-119
Forestburg	67	-7	82	48	0.90	21.70	13.39	4.57	2.26	1,420	-119
Madison	64	-6	84	43	0.19	16.50	8.95	-1.74	-2.70	1,216	-35
Mitchell	68	-6	83	50	1.24	19.86	10.57	2.52	-0.70	1,426	-46
Sioux Falls	67	-6	85	50	0.22	18.78	9.45	0.76	-1.93	1,321	-92
Southwest											
Custer	62	-3	86	45	0.15	13.97	10.31	-1.22	-0.13	805	-104
Hot Springs	70	-1	94	47	0.89	13.93	9.80	0.62	0.36	1,285	-77
Oelrichs	70	-3	98	52	0.46	16.44	9.50	2.90	0.22	1,250	-130
Porcupine	67	-5	94	45	0.28	17.10	9.61	3.41	0.20	1,195	-153
South Central											
Kennebec	68	-8	85	45	0.46	16.11	9.77	1.86	-0.06	1,419	-182
Mission	68	-4	90	48	1.51	17.73	11.06	2.22	0.25	1,260	-69
Murdo	69	-4	87	53	1.63	15.87	8.63	-0.08	-1.77	1,302	-96
Winner	69	-7	87	50	0.78	16.28	9.79	-1.98	-2.17	1,375	-246
Southeast											
Armour	67	-8	86	50	0.23	17.53	10.65	-0.52	-0.91	1,360	-274
Centerville	66	-7	84	46	0.96	21.53	12.25	3.01	0.03	1,333	-164
Pickstown	67	-8	87	48	0.94	16.61	8.23	-0.99	-3.52	1,354	-171
Vermillion	67	-9	85	49	0.52	25.16	13.92	6.29	1.67	1,502	-213
Yankton	68	-6	88	50	0.77	23.54	13.11	4.76	0.67	1,410	-123

DATA AND MAP SOURCE: State Climate Office of South Dakota