

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

There were 6.3 days suitable for fieldwork last week. Mostly dry and warmer weather last week in South Dakota aided producers to nearly complete harvest of small grains. Although dry weather was helpful to small grain harvest, some row crops are beginning to show signs of stress. With few showers present around most of the state, an increase in precipitation would help maintain crop conditions. Majority of small grain harvest has been completed and the focus is now on the third cutting of hay, general care of livestock, and the continued checking on progress of row crops.

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

WEATHER INFORMATION

Very warm and dry conditions dominated latter part of the week, according to the State Climate Office of South Dakota. Temperatures reached well over 100° F in many west river locations on Saturday. Overall temperatures were 1-4° F above average for most of the state. Only a few stations along the North Dakota border were slightly below average. The daily high temperature was 105° F at Milesville; the low temperature was 44° F at Custer. Twelve stations reported temperatures over 100° F.

One storm in the southeast and a smaller one in the southwest were the main precipitation producers for the week. Hot Springs reported the high total for the week at 1.66 inches. Nearly half the stations reporting here had no precipitation.

The continued above average temperatures are accumulating GDDs well ahead of average across the east. In some places accumulations are more than 10 days ahead of average.

SOIL CONDITION

Soil conditions are drying out, and this left topsoil moisture rated at 67 percent adequate to surplus for last week, 4 percentage points above the five-year average. Subsoil moisture was 75 percent adequate to surplus, 10 percentage points below the previous week but 20 percentage points above the five-year average.

FIELD CROPS REPORT

Some damage to row crops was evident last week as lack of precipitation added stress to crops. Eighty-four percent of corn is at or beyond dough stage, 47 percentage points above the previous year and 20 percentage points above the five-year average. Thirty-two percent is at the dent stage, above the 5 year-average of 22 percent. More reports of sudden death syndrome, white mold and aphids are reported in soybeans. Three percent of soybeans are dropping leaves, 2 points behind the five-year average of 5 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

South Dakota pastures are increasing in dryness, and precipitation would be welcomed. Pastures are rated 72 percent in good to excellent condition, 23 percentage points above the five-year average. Cattle are rated 88 percent in good to excellent condition, while sheep are rated 84 percent in good to excellent condition. Feed supplies remain in good shape and are rated at 98 percent adequate to surplus, up 15 points from the five-year average.

Feed and Water Supplies Comparison as of August 22, 2010

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	0	5	0	0	13
Short	2	2	12	5	7	18
Adequate	76	89	76	71	82	63
Surplus	22	9	7	24	11	6

Soil Moisture Condition Comparison as of August 22, 2010

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	6	3	1	2	1	5
Short	27	15	16	23	14	23
Adequate	60	69	78	61	68	67
Surplus	7	13	5	14	17	5

Crop and Livestock Conditions as of August 22, 2010

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Spring Wheat	1	5	17	53	24
Barley	0	4	19	58	19
Corn	2	8	19	46	25
Soybeans	2	9	21	48	20
Sorghum	0	0	10	68	22
Sunflower	0	3	31	50	16
Alfalfa	1	8	27	53	11
Cattle	0	1	11	63	25
Sheep	0	0	16	50	34
Range & Pasture	2	7	19	52	20

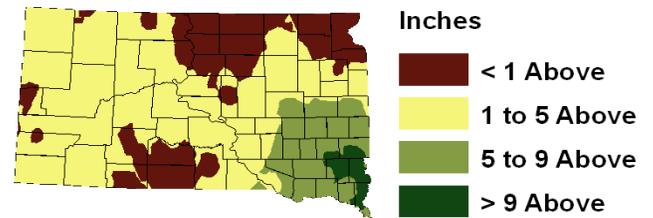
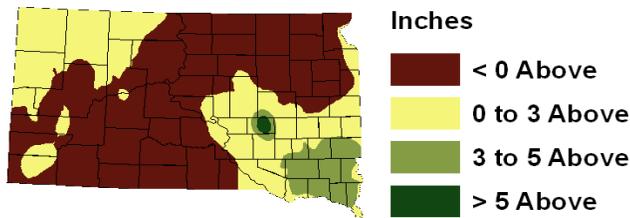
Crop Progress as of August 22, 2010 ¹

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	3	0	0	1
Barley				
Ripe	95	91	92	98
Harvested	90	72	64	87
Oats				
Harvested	97	88	77	93
Spring Wheat				
Harvested	94	81	73	90
Corn				
Dough	84	53	37	64
Dent	32	10	3	22
Mature	0	0	0	1
Soybeans				
Setting Pods	97	82	90	91
Dropping Leaves	3	1	3	5
Sorghum				
Headed	96	89	81	92
Coloring	40	19	22	36
Mature	0	0	0	1
Sunflower				
Blooming	93	71	84	89
Ray Flowers Dry	16	3	10	18
Alfalfa				
2nd Cutting	93	89	90	94
3rd Cutting	43	25	30	38
Other Hay				
Cut	96	93	95	97

¹ Percents represent all acreage in or beyond each stage.

PAST 30 DAYS
Accumulated Precip Deviation from Average
From July 24 to August 22, 2010

GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to August 22, 2010



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, August 22, 2010

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	69	-2	94	49	0.01	19.43	13.50	3.28	2.35	1,960	-68
Buffalo	70	1	97	49	0.03	13.99	10.85	0.16	0.78	1,764	-40
Dupree	74	3	102	51	0.00	23.08	18.41	6.83	6.62	2,050	-5
McIntosh	69	-2	95	48	0.00	16.05	9.89	1.30	-0.94	2,030	-20
Newell	73	1	102	50	0.00	15.07	11.10	0.47	0.59	1,832	-200
Timber Lake	74	3	104	48	0.02	17.63	11.95	0.76	0.04	2,050	-2
North Central											
Aberdeen	70	-1	91	48	0.00	25.71	17.24	7.60	4.19	2,210	139
Faulkton	70	-1	91	50	0.00	21.12	10.86	3.33	-1.47	2,134	49
Mobridge	71	-1	96	47	0.00	17.03	10.11	0.46	1.56	2,103	-17
Roscoe	70	1	92	53	0.01	21.37	11.86	3.33	-1.23	2,078	158
Northeast											
Britton	67	-3	87	46	0.00	20.13	10.24	1.88	-3.05	2,152	106
Clear Lake	70	1	88	52	0.57	31.13	15.69	9.69	1.23	2,115	217
Sisseton	71	1	98	52	0.00	26.27	12.06	6.83	-1.79	2,205	166
Watertown	69	1	89	53	0.31	24.44	13.86	5.27	0.26	2,096	259
Webster	73	4	94	55	0.00	23.63	13.00	4.22	-0.97	2,181	142
West Central											
Faith	73	0	97	53	0.00	16.58	12.49	0.22	0.84	2,051	-116
Milesville	77	4	105	53	0.00	24.08	15.31	6.22	2.76	2,159	-46
Philip	75	1	103	51	0.00	17.99	11.98	2.43	0.64	2,168	-17
Rapid City	71	0	99	50	0.02	19.88	16.42	4.70	5.49	1,849	-85
Spearfish	76	6	102	51	0.05	20.12	12.60	0.38	-0.68	1,973	30
Central											
Chamberlain	75	2	95	57	0.00	25.90	17.70	6.00	3.55	2,361	194
Highmore	71	0	92	51	0.00	19.69	11.46	2.26	-1.08	2,062	-35
Huron	73	1	93	53	0.00	29.56	20.46	10.96	7.46	2,387	201
Onida	73	2	95	51	0.00	21.49	13.66	3.60	1.35	2,160	67
Pierre	75	1	96	53	0.00	23.32	14.63	5.39	1.77	2,234	-42
East Central											
Brookings	71	3	88	54	1.29	33.02	23.27	13.52	8.84	2,155	240
Forestburg	75	2	91	55	0.00	31.62	21.48	11.93	7.79	2,480	158
Madison	71	2	87	54	0.49	29.46	20.14	7.77	5.04	2,152	228
Mitchell	73	1	91	54	0.91	35.05	24.95	14.86	10.83	2,578	331
Sioux Falls	72	2	91	54	0.29	36.76	25.48	15.50	10.86	2,334	170
Southwest											
Custer	66	1	90	44	0.12	16.21	12.66	-2.03	-0.83	1,314	-131
Hot Springs	73	3	99	50	1.66	27.00	21.21	11.45	9.53	1,957	-95
Oelrichs	72	0	102	50	0.00	20.73	14.59	5.23	3.35	1,981	-116
Porcupine	73	1	102	49	0.32	22.01	12.25	6.20	0.72	1,949	-114
South Central											
Kennebec	77	2	101	52	0.00	25.38	17.77	8.71	5.42	2,402	13
Mission	76	4	101	52	0.11	20.69	13.33	2.66	0.00	2,173	81
Murdo	78	5	102	57	0.00	22.80	14.24	4.65	1.64	2,296	112
Winner	77	2	101	56	0.04	20.70	13.48	-1.65	-2.47	2,321	-91
Southeast											
Academy	74	2	96	56	0.02	21.77	14.59	1.60	0.28	2,270	131
Centerville	72	1	90	52	0.39	24.85	15.48	3.04	7.35	2,315	48
Pickstown	74	0	97	56	0.55	23.11	14.87	2.60	0.21	2,190	-128
Vermillion	75	1	90	54	0.18	34.52	24.54	12.35	8.99	2,657	133
Yankton	74	2	92	55	0.72	38.05	25.57	15.91	9.77	2,476	161

DATA AND MAP SOURCE: State Climate Office of South Dakota