

South Dakota Weekly Crop Weather Report

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U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

The week ending August 1, 2010 brought various weather conditions to South Dakota. Many parts of the state received ample rain and suffered severe flooding while others continue to have very little to no rain. Sunshine and dry weather is needed to dry out fields in the flooded areas. Field pests continue to be a problem in western parts of the state as the grasshoppers and caterpillars continue to take a toll on crops. Major farm activities include spraying crops, harvesting hay and winter wheat.

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

WEATHER INFORMATION

Storms with heavy rainfall hit the state again during the week, according to the State Climate Office of South Dakota. Rainfall was welcome in some of the drier areas of the north central and west. But the very heavy rainfall in the southeast exacerbated already wet conditions and flooded fields. Widespread heavy rainfalls occurred in the southeast leading to additional flooding problems. Vermillion received the most at 6.38 inches for the week. In contrast Watertown, Britton and Aberdeen reported no precipitation.

High temperatures were well in to the 90s at all locations with Philip, Newell and Winner reaching 100° F for the high temperature of the week. Custer again had the low at 49° F. Most of the southwestern part of the state had above average temperatures ranging from 2-4° F above average. The rest of the state had mixed conditions, generally within 1° F of average.

Overall moisture conditions have the southeast quarter at 2-3 times average precipitation over the last 30 days. Areas in the north central region and the northern Black Hills have received less than 50 percent of average during that same time.

SOIL CONDITION

Topsoil moisture was rated 89 percent adequate to surplus for last week, 31 percentage points above the previous year and 45 percentage points above the five-year average. Subsoil moisture was 90 percent adequate to surplus, 29 percentage points above the previous year and 41 percentage points above the five-year average.

FIELD CROPS REPORT

Hot and humid weather were a great combination for some areas of South Dakota, while other areas receiving several inches of rain had standing water in fields and pastures and some flooding problems. Winter wheat continues to be harvested rapidly now at 85 percent complete, ahead of last year when only 60 percent was harvested, and also ahead of the five-year average of 81 percent. Spring wheat harvest is in full swing, now 31 percent complete, slightly behind the five-year average of 36 percent. Corn is 68 percent silked, 27 percent above the previous year and 7 percent above the five-year average. Soybeans are 81 percent blooming, 6 points behind the 87 percent for the five-year average.

LIVESTOCK, PASTURE, AND RANGE REPORT

Pastures are rated 82 percent in mostly good to excellent conditions, 31 percentage points above the five-year average. Parts of South Dakota pastures received too much rain, while others stayed considerably dry. Cattle are rated 88 percent in good to excellent condition, while sheep are rated 91 percent in good to excellent condition. Feed supplies are rated at 97 percent adequate to surplus, up 15 points from the five-year average.

Feed and Water Supplies Comparison as of August 1, 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	1	1	5	0	2	13
Short	2	5	13	1	7	19
Adequate	79	84	74	70	83	62
Surplus	18	10	8	29	8	6

Soil Moisture Condition Comparison as of August 1, 2010

Rating	Topsoil			Subsoil		
	This Week	Last Year	Last Year	This Week	Last Year	Last Year
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Very Short	0	2	7	0	0	10
Short	11	14	34	10	11	29
Adequate	62	64	55	62	67	57
Surplus	27	20	4	28	22	4

Crop and Livestock Conditions as of August 1, 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	4	27	50	18
Barley	1	3	14	66	16
Oats	1	4	15	61	19
Corn	2	6	21	51	20
Soybeans	3	10	22	52	13
Sorghum	0	0	9	71	20
Sunflower	0	2	30	55	13
Alfalfa	1	4	23	58	14
Cattle	0	1	11	67	21
Sheep	0	1	8	57	34
Range & Pasture	1	4	13	62	20

Crop Progress as of August 1, 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				
Harvested	85	61	60	81
Barley				
Turning Color	98	94	86	94
Ripe	60	25	42	66
Harvested	22	8	15	30
Oats				
Turning Color	98	93	90	96
Ripe	75	52	56	78
Harvested	41	15	24	52
Spring Wheat				
Turning Color	98	93	94	97
Ripe	75	49	47	71
Harvested	31	6	16	36
Corn				
2nd cult./spray	90	80	91	98
Tasseled	91	75	68	84
Silked	68	47	41	61
Dough	9	3	1	8
Soybeans				
Blooming	81	66	80	87
Setting Pods	36	22	32	36
Sorghum				
Headed	45	19	26	49
Coloring	1	0	7	6
Sunflower				
Blooming	14	3	16	22
Alfalfa				
2nd Cutting	71	56	69	78
3rd Cutting	7	0	3	9
Other Hay				
Cut	89	78	83	87

¹ Percents represent all acreage in or beyond each stage.

PAST 30 DAYS
Accumulated Precip Deviation from Average
From July 3 to August 1, 2010



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



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, August 1, 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	73	-1	93	55	0.08	17.82	11.89	2.73	1.80	1,544	-24
Buffalo	75	2	96	57	0.09	12.64	9.50	0.37	0.99	1,343	-68
Dupree	74	0	96	56	0.50	22.36	17.69	7.33	7.12	1,600	4
McIntosh	72	-2	91	53	0.53	14.86	8.70	1.24	-1.00	1,592	-2
Newell	77	3	100	58	0.46	13.89	9.92	0.22	0.34	1,371	-193
Timber Lake	74	1	95	52	0.36	16.59	10.91	1.07	0.35	1,583	-1
North Central											
Aberdeen	73	0	90	55	0.00	24.84	16.37	8.43	5.02	1,723	108
Faulkton	72	-1	91	56	0.06	20.62	10.36	4.71	-0.09	1,648	24
Mobridge	73	-1	92	53	0.15	16.39	9.47	1.27	2.37	1,636	2
Roscoe	72	0	90	55	0.02	20.62	11.11	4.28	-0.28	1,613	124
Northeast											
Britton	73	0	90	52	0.00	18.71	8.82	2.04	-2.89	1,694	97
Clear Lake	70	-1	91	55	0.19	29.63	14.19	10.32	1.86	1,640	162
Sisseton	75	2	90	57	0.56	24.99	10.78	7.36	-1.26	1,728	137
Watertown	71	0	91	53	0.00	22.62	12.04	5.43	0.42	1,614	180
Webster	73	1	89	59	1.75	23.36	12.73	6.13	0.94	1,688	176
West Central											
Faith	75	0	96	56	0.21	15.52	11.43	0.24	0.86	1,591	-90
Milesville	77	2	97	55	1.64	23.42	14.65	7.00	3.54	1,670	-50
Philip	78	2	100	57	0.80	17.59	11.58	3.23	1.44	1,679	-35
Rapid City	76	3	98	54	0.68	18.63	15.17	4.60	5.39	1,395	-82
Spearfish	77	4	98	56	0.85	17.92	10.40	-0.65	-1.71	1,530	-38
Central											
Chamberlain	77	2	98	62	0.42	24.97	16.77	6.66	4.21	1,832	139
Highmore	73	-1	92	56	0.09	19.30	11.07	3.52	0.18	1,577	-54
Huron	74	0	94	60	1.91	29.20	20.10	12.06	8.56	1,853	147
Onida	74	0	93	53	0.38	20.45	12.62	4.09	1.84	1,665	31
Pierre	76	-1	97	57	0.72	22.51	13.82	5.92	2.30	1,718	-61
East Central											
Brookings	72	1	88	60	0.05	30.16	20.41	12.68	8.00	1,661	160
Forestburg	76	1	94	62	1.93	31.16	21.02	12.95	8.81	1,920	89
Madison	71	0	89	59	1.99	26.47	17.15	6.97	4.24	1,672	168
Mitchell	77	2	96	62	2.79	32.76	22.66	14.23	10.20	1,995	234
Sioux Falls	74	0	94	59	3.57	32.58	21.30	13.36	8.72	1,814	111
Southwest											
Custer	68	1	88	49	0.38	15.28	11.73	-1.24	-0.04	964	-149
Hot Springs	76	3	95	56	1.78	24.48	18.69	10.18	8.26	1,513	-90
Oelrichs	77	2	99	54	0.25	20.29	14.15	5.95	4.07	1,528	-116
Porcupine	76	2	99	51	0.45	20.79	11.03	6.12	0.64	1,499	-116
South Central											
Kennebec	78	1	97	58	0.08	24.40	16.79	9.16	5.87	1,895	3
Mission	77	3	95	57	0.85	20.08	12.72	3.42	0.76	1,695	78
Murdo	78	3	97	58	0.04	21.09	12.53	4.13	1.12	1,762	71
Winner	79	2	100	60	0.32	18.77	11.55	-2.07	-2.89	1,804	-105
Southeast											
Academy	76	2	99	61	0.35	21.23	14.05	2.52	1.20	1,766	89
Centerville	73	-1	92	58	3.73	22.57	13.20	2.72	7.03	1,826	135
Pickstown	77	1	99	61	0.11	20.80	12.56	1.97	-0.42	1,775	-41
Vermillion	76	0	91	61	6.38	32.94	22.96	12.71	9.35	2,123	110
Yankton	76	1	95	62	4.08	35.50	23.02	15.40	9.26	1,951	126

DATA AND MAP SOURCE: State Climate Office of South Dakota