

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

There were 6.0 days suitable for fieldwork for the week ending July 18, 2010. Continued sunshine and mostly dry conditions were reported again last week, with some areas needing additional moisture to keep soils moist and crop development on schedule. Some severe weather was reported around the state. Field pests are a problem in parts of the state as the grasshopper, weevil, 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

Warm temperatures were pervasive across the state over the late week with temperatures in many locations crossing the 100° F mark. Overall temperatures for the week were warmer than average over the state except for the far west. Most locations were 1-3° F above average. Pierre had the high for the week at 106° F; Spearfish, Custer, and Hot Springs had the low temperature at 48° F.

Little precipitation fell for the week except for a very few isolated storms. Brookings reported the high total at 1.98 inches. All other stations were well below an inch. Ten stations reported no precipitation.

The recent warmer weather and lack of precipitation has induced some short-term dryness. Several stations indicate 1-2 inches below average for the growing season currently.

SOIL CONDITION

Topsoil moisture was rated 84 percent adequate to surplus for last week, 7 percentage points behind the previous week, but 34 percentage points above the five-year average. Subsoil moisture was 89 percent adequate to surplus, 17 percentage points above the previous year.

FIELD CROPS REPORT

Another great week of weather promoted crop development last week. Severe storms on Saturday, caused damage to crops in a few counties. Winter wheat harvest is in full swing, with 33 percent harvested. This is ahead of last year when only 4 percent was harvested but behind the five-year average of 39 percent. Spring wheat is also making good progress as 11 percent is ripe but no harvesting has started yet. The average corn height is 57 inches, which increased 11 inches from the previous week and 1 inch above the five-year average. Soybeans are developing on average pace as 52 percent are blooming, just behind the 56 percent for the five-year average.

LIVESTOCK, PASTURE, AND RANGE REPORT

Pastures are rated 86 percent in mostly good to excellent conditions, 28 percentage points above the five-year average. Pastures continued to dry out due to warm weather and windy conditions last week. Cattle are rated 88 percent in good to excellent condition, while sheep are rated 86 percent in good to excellent condition. Feed supplies are rated at 97 percent adequate to surplus, up 3 points from last year.

Feed and Water Supplies Comparison as of July 18, 2010

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	0	1	3	0	1	10
Short	3	5	13	4	8	17
Adequate	77	87	76	66	79	65
Surplus	20	7	8	30	12	8

Soil Moisture Condition Comparison as of July 18, 2010

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	2	2	4	1	1	7
Short	14	7	18	10	5	21
Adequate	66	61	71	65	60	63
Surplus	18	30	7	24	34	9

Crop and Livestock Conditions as of July 18, 2010

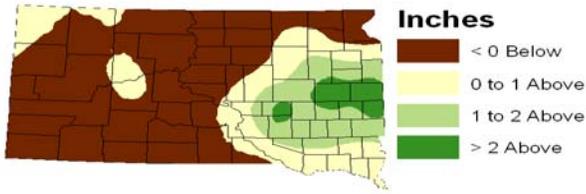
Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	0	2	12	53	33
Spring Wheat	1	4	25	50	20
Barley	0	2	23	65	10
Oats	0	3	16	67	14
Corn	2	6	19	55	18
Soybeans	3	8	22	55	12
Sorghum	1	0	8	67	24
Sunflower	0	2	23	57	18
Alfalfa	1	5	21	62	11
Cattle	0	2	10	68	20
Sheep	0	1	13	56	30
Range & Pasture	0	3	11	62	24

Crop Progress as of July 18, 2010 ¹

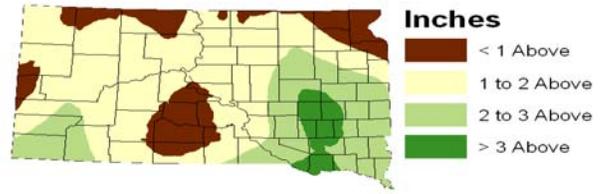
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
Winter Wheat				
Turning Color	99	91	97	98
Ripe	77	37	42	68
Harvested	33	4	4	39
Barley				
Headed	99	90	96	98
Turning Color	60	19	52	67
Ripe	6	3	1	16
Harvested	0	0	0	3
Oats				
Headed	98	95	97	99
Turning Color	73	43	58	74
Ripe	17	3	5	29
Harvested	2	0	1	12
Spring Wheat				
Headed	98	95	97	99
Turning Color	75	37	50	70
Ripe	11	2	1	20
Harvested	0	0	0	5
Corn				
Ave. Height (in.)	57	46	50	56
2nd cult./spray	80	63	74	85
Tasseled	42	5	16	32
Silked	18	1	3	12
Soybeans				
Blooming	52	33	47	56
Setting Pods	12	1	4	6
Sorghum				
Headed	2	0	13	16
Sunflower				
Blooming	3	1	4	4
Alfalfa				
1st Cutting	94	89	97	98
2nd Cutting	44	30	29	46
Other Hay				
Cut	73	57	68	75

¹ Percents represent all acreage in or beyond each stage.

PAST 30 DAYS
Accumulated Precip Deviation from Average
From June 20 to July 18, 2010



GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to July 18, 2010



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, July 18, 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	70	-2	96	53	0.07	15.99	10.06	1.80	0.87	1,209	-51
Buffalo	72	2	95	51	0.00	11.88	8.74	-0.71	-0.09	1,061	-60
Dupree	73	0	88	59	0.12	21.22	16.55	7.07	6.86	1,290	2
McIntosh	70	-2	95	53	0.52	12.82	6.66	0.12	-2.12	1,286	0
Newell	72	-1	99	52	0.00	13.01	9.04	0.08	0.20	1,067	-182
Timber Lake	74	2	97	54	0.19	14.00	8.32	-0.52	-1.24	1,298	35
North Central											
Aberdeen	73	1	96	56	0.15	24.37	15.90	9.50	6.09	1,423	126
Faulkton	73	0	101	57	0.05	19.41	9.15	4.59	-0.21	1,361	56
Mobridge	74	1	96	56	0.54	15.41	8.49	1.40	2.50	1,349	51
Roscoe	73	1	85	60	0.08	20.14	10.63	4.99	0.43	1,334	153
Northeast											
Britton	72	0	98	53	0.63	18.39	8.50	3.11	-1.82	1,398	109
Clear Lake	72	1	92	55	0.36	28.29	12.85	10.41	1.95	1,352	177
Sisseton	73	1	97	55	0.10	24.09	9.88	7.80	-0.82	1,421	144
Watertown	71	0	93	52	0.31	22.23	11.65	6.26	1.25	1,324	182
Webster	74	2	94	59	0.16	20.74	10.11	5.18	-0.01	1,380	176
West Central											
Faith	76	2	96	54	0.01	14.76	10.67	0.58	1.20	1,260	-85
Milesville	76	1	100	53	0.05	20.76	11.99	5.56	2.10	1,353	-31
Philip	75	1	101	52	0.00	14.76	8.75	1.35	-0.44	1,347	-44
Rapid City	71	-1	94	50	0.21	17.35	13.89	4.16	4.95	1,093	-76
Spearfish	73	1	95	48	0.00	16.75	9.23	-0.98	-2.04	1,198	16
Central											
Chamberlain	77	2	102	57	0.00	22.22	14.02	5.15	2.70	1,491	127
Highmore	74	1	100	56	0.00	18.38	10.15	3.98	0.64	1,290	-23
Huron	76	3	100	50	0.00	24.46	15.36	8.51	5.01	1,526	156
Onida	74	1	101	54	0.00	18.62	10.79	3.39	1.14	1,330	11
Pierre	76	1	106	57	0.01	20.03	11.34	4.54	0.92	1,399	-44
East Central											
Brookings	72	1	92	55	1.98	27.79	18.04	11.57	6.89	1,368	161
Forestburg	78	3	95	59	0.03	27.72	17.58	10.68	6.54	1,575	80
Madison	75	2	94	56	0.05	22.11	12.79	3.97	1.24	1,350	141
Mitchell	77	3	99	60	0.12	24.98	14.88	7.54	3.51	1,644	219
Sioux Falls	74	1	92	58	0.06	25.65	14.37	7.69	3.05	1,496	129
Southwest											
Custer	67	1	87	48	0.57	13.88	10.33	-1.32	-0.12	736	-139
Hot Springs	73	1	96	48	0.14	21.30	15.51	8.07	6.15	1,202	-119
Oelrichs	73	-1	98	49	0.21	19.54	13.40	6.07	4.19	1,217	-119
Porcupine	73	0	99	52	0.08	20.12	10.36	6.51	1.03	1,195	-112
South Central											
Kennebec	79	2	105	53	0.00	19.92	12.31	5.86	2.57	1,565	9
Mission	77	4	104	53	0.03	17.67	10.31	2.26	-0.40	1,359	75
Murdo	77	3	102	59	0.01	19.82	11.26	3.96	0.95	1,424	69
Winner	78	1	105	54	0.00	17.30	10.08	-2.13	-2.95	1,467	-106
Southeast											
Academy	76	2	101	65	0.11	18.03	10.85	0.55	-0.77	1,440	99
Centerville	75	1	94	56	0.10	16.55	7.18	-1.89	2.42	1,505	50
Pickstown	77	1	99	60	0.46	19.79	11.55	2.16	-0.23	1,445	-29
Vermillion	78	2	94	58	0.13	22.31	12.33	3.55	0.19	1,762	99
Yankton	75	1	96	57	0.74	27.18	14.70	8.51	2.37	1,612	123

DATA AND MAP SOURCE: State Climate Office of South Dakota