

# South Dakota Weekly Crop Weather Report

Released: July 12, 2010 -- 3:00 p.m. CST  
For Week Ending July 11, 2010  
SD-CW5929 Volume 59 Issue 29



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

## AGRICULTURAL SUMMARY

Mostly sunny and dry conditions were reported again last week to help dry soils and aid in crop development. Some severe weather conditions were reported around state. Various conditions left an average of 5.5 days suitable for fieldwork for the week ending July 11, 2010. Field pests continue to increase in parts of the state as the grasshopper, weevil, looper, and caterpillars continue take a toll on crops. Planting is finishing and other farm activities include focusing on harvesting hay and spraying crops.

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

## WEATHER INFORMATION

Two days of storms brought tornadoes, hail and wind reports to mainly eastern parts of the state with some isolated storms. These storms also brought isolated heavier rainfalls. Seven of the stations reported over 1 inch totals. Watertown reported the highest total at 1.70 inches. Most of the western part of the state remained dry with a few tenths or lower totals quite common. Hot Springs was the low total with only a trace of precipitation.

Cooler than average temperatures covered most of the state last week. Most of the central to west was 2-7° F below average. Most eastern stations were close to average. Philip and Academy had the high for the week at 97° F; Custer had the low temperature at 42° F.

While most of the state precipitation totals are above average for the growing season, 30 day totals are rather short in the north central part of the state.

## SOIL CONDITION

Topsoil conditions are 91 percent adequate to surplus, 16 percentage points above the previous year. Subsoil is 94 percent adequate to surplus, 26 percentage points above the previous year.

## FIELD CROPS REPORT

Another great week of weather aided in crop development last week, most of which consisted of sunshine and warm temperatures with some welcomed showers throughout the state. Average corn height is 46 inches, which increased 9 inches from the previous week and 1 inch above the five-year average. Soybeans are developing on an average pace as 33 percent are now blooming compared to 32 percent for the five-year average. Spring wheat is also making great progress, now at 95 percent headed, 9 points above the previous year and equal to the five-year average. Winter wheat is continuing to develop as well, now 91 percent turning color, 4 percentage points ahead of the previous year but 1 point behind the five-year average.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Pastures are rated 89 percent mostly good to excellent conditions, 25 percentage points above the five-year average. Pastures continue to dry out due to warm weather and windy conditions for most of the week. Cattle are rated 92 percent in the good to excellent condition. Sheep are rated 88 percent in the good to excellent condition, 1 percentage point ahead of the five-year average. Feed supplies are rated at 99 percent adequate to surplus, up 5 points from last year.

### Feed and Water Supplies Comparison as of July 11, 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	2	9
Short	1	6	11	2	7	15
Adequate	77	86	78	64	80	67
Surplus	22	8	8	34	11	9

### Soil Moisture Condition Comparison as of July 11, 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	1	6	1	0	9
Short	7	7	19	5	4	23
Adequate	61	61	65	60	69	62
Surplus	30	31	10	34	27	6

### Crop and Livestock Conditions as of July 11, 2010

Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	0	2	9	61	28
Spring Wheat	0	2	17	57	24
Barley	0	6	15	63	16
Oats	0	3	11	65	21
Corn	1	5	19	53	22
Soybeans	2	7	22	53	16
Sorghum	0	1	9	70	20
Sunflower	0	2	9	67	22
Alfalfa	0	5	18	64	13
Cattle	0	2	6	68	24
Sheep	0	0	12	56	32
Range & Pasture	0	2	9	56	33

### Crop Progress as of July 11, 2010 <sup>1</sup>

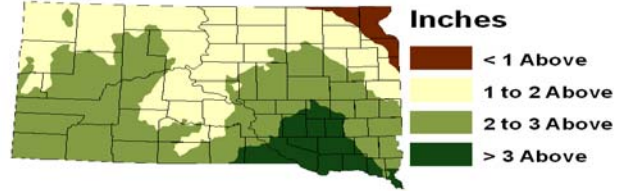
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
<b>Winter Wheat</b>				
Turning Color	91	71	87	92
Ripe	37	0	18	43
Harvested	4	0	1	18
<b>Barley</b>				
Headed	90	61	85	92
Turning Color	19	3	31	39
Ripe	3	0	0	4
<b>Oats</b>				
Headed	95	78	90	95
Turning Color	43	27	29	46
Ripe	3	0	0	9
Harvested	0	0	0	3
<b>Spring Wheat</b>				
Headed	95	89	86	95
Turning Color	37	15	21	45
Ripe	2	0	0	5
Harvested	0	0	0	1
<b>Corn</b>				
Ave. Height (in.)	46	37	36	45
1st cult./spray	99	97	95	98
2nd cult./spray	63	50	54	71
Tasseled	5	0	2	11
Silked	1	0	0	2
<b>Soybeans</b>				
Blooming	33	13	27	32
Setting Pods	1	0	0	2
<b>Sorghum</b>				
Headed	0	0	5	7
<b>Sunflower</b>				
Blooming	1	0	1	1
<b>Alfalfa</b>				
1st Cutting	89	81	93	94
2nd Cutting	30	15	16	26
<b>Other Hay</b>				
Cut	57	39	58	64

<sup>1</sup> Percents represent all acreage in or beyond each stage.

PAST 30 DAYS  
Accumulated Precip Deviation from Average  
From June 5 to July 4, 2010



GROWING SEASON  
Accumulated Precip Deviation from Average  
From April 1 to July 4, 2010



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, July 11, 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		
<i>Degrees</i>	<i>Degrees</i>	<i>Degree s</i>	<i>Degree s</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>			
<b>Northwest</b>											
Bison	66	-5	92	49	0.15	15.92	9.99	2.25	1.32	1,043	-63
Buffalo	65	-4	89	47	0.32	11.88	8.74	-0.23	0.39	928	-52
Dupree	68	-3	90	51	0.41	21.10	16.43	7.45	7.24	1,136	2
McIntosh	68	-4	94	51	0.08	12.30	6.14	0.11	-2.13	1,123	-9
Newell	66	-6	90	48	0.17	13.01	9.04	0.55	0.67	941	-154
Timber Lake	69	-2	92	50	0.09	13.81	8.13	-0.15	-0.87	1,147	58
<b>North Central</b>											
Aberdeen	72	0	92	56	0.78	24.22	15.75	10.00	6.59	1,269	126
Faulkton	70	-2	91	56	0.66	19.36	9.10	5.10	0.30	1,207	56
Mobridge	70	-2	96	51	0.05	14.87	7.95	1.35	2.45	1,194	60
Roscoe	69	-2	87	54	0.48	20.06	10.55	5.54	0.98	1,175	145
<b>Northeast</b>											
Britton	71	0	90	54	0.67	17.76	7.87	3.25	-1.68	1,251	115
Clear Lake	70	0	86	57	1.57	27.93	12.49	10.82	2.36	1,199	171
Sisseton	71	-1	89	57	0.92	23.99	9.78	8.40	-0.22	1,270	147
Watertown	70	1	88	57	1.70	21.92	11.34	6.58	1.57	1,181	180
Webster	71	0	88	60	0.82	20.58	9.95	5.86	0.67	1,224	174
<b>West Central</b>											
Faith	68	-5	91	51	0.10	14.75	10.66	1.20	1.82	1,110	-70
Milesville	69	-4	91	52	0.01	20.71	11.94	6.19	2.73	1,197	-24
Philip	70	-4	97	50	0.01	14.76	8.75	1.86	0.07	1,192	-38
Rapid City	64	-7	86	46	0.16	17.14	13.68	4.40	5.19	956	-59
Spearfish	67	-4	86	49	0.50	16.75	9.23	-0.51	-1.57	1,073	45
<b>Central</b>											
Chamberlain	73	0	91	57	1.22	22.22	14.02	5.83	3.38	1,322	129
Highmore	70	-2	91	53	1.41	18.38	10.15	4.75	1.41	1,135	-24
Huron	73	1	91	59	0.54	24.46	15.36	9.17	5.67	1,355	153
Onida	69	-3	90	52	0.60	18.62	10.79	4.02	1.77	1,180	15
Pierre	72	-3	94	56	0.36	20.02	11.33	5.16	1.54	1,236	-39
<b>East Central</b>											
Brookings	70	0	87	56	1.50	25.81	16.06	10.28	5.60	1,213	152
Forestburg	73	-1	89	59	0.76	27.69	17.55	11.28	7.14	1,405	78
Madison	70	0	86	58	0.81	22.06	12.74	4.62	1.89	1,222	160
Mitchell	74	1	90	61	0.55	24.86	14.76	8.01	3.98	1,460	203
Sioux Falls	72	0	87	59	1.56	25.59	14.31	8.29	3.65	1,332	129
<b>Southwest</b>											
Custer	59	-6	80	42	0.68	13.31	9.76	-1.19	0.01	624	-139
Hot Springs	65	-6	86	46	0.00	21.16	15.37	8.51	6.59	1,056	-118
Oelrichs	66	-7	92	47	0.39	19.33	13.19	6.35	4.47	1,073	-109
Porcupine	66	-6	90	43	0.18	20.04	10.28	7.06	1.58	1,056	-97
<b>South Central</b>											
Kennebec	72	-4	95	53	0.09	19.92	12.31	6.49	3.20	1,393	5
Mission	72	-1	96	54	0.42	17.64	10.28	2.93	0.27	1,191	68
Murdo	72	-2	96	57	0.36	19.81	11.25	4.59	1.58	1,251	63
Winner	73	-2	96	59	0.22	17.30	10.08	-1.36	-2.18	1,297	-108
<b>Southeast</b>											
Academy	73	0	97	58	0.34	17.92	10.74	1.14	-0.18	1,277	104
Centerville	73	-1	89	58	0.64	16.45	7.08	-1.22	3.09	1,346	59
Pickstown	73	-1	92	59	1.15	19.33	11.09	2.33	-0.06	1,285	-21
Vermillion	74	-2	88	58	0.37	22.18	12.20	4.19	0.83	1,581	89
Yankton	73	-1	91	58	0.27	26.44	13.96	8.54	2.40	1,451	130

DATA AND MAP SOURCE: State Climate Office of South Dakota