

South Dakota Weekly Crop Weather Report

Released: July 16, 2007 -- 3:00 p.m. CST
For Week Ending July 15, 2007
SD-CW5629 Volume 56 Issue 29



National Agricultural Statistics Service (NASS)
South Dakota Field Office
P.O. Box 5068
Sioux Falls, SD 57117-5068
Cooperating with:
SOUTH DAKOTA STATE UNIVERSITY
AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

Dry weather over the entire state allowed producers 6.7 days suitable for fieldwork. Major farm activities included harvesting winter wheat and hay, spraying, cultivating, and irrigating where available.

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

WEATHER INFORMATION

The highest temperatures last week again reached above 90° F across much of the state, according to the State Climate Office of South Dakota. But weekly average temperatures overall were below average except for stations in the western third of the state as cooler but drier air from Canada was brought into the state. All of the state has now received below average precipitation over the last 30 days. Limited precipitation occurred over the state during last week continuing the recent trend. Timber Lake received the most weekly precipitation at 0.81 of an inch. A few other stations reported around 0.50 of an inch for the week. Much of the state received little or no precipitation, exacerbating the already dry surface conditions. These conditions again leave crops at risk, as even the half inch amounts would be used by grasses or crops within a few days, at best. This extended dry period is one of the longer ones in the eastern part of the state, where Sioux Falls for example has received 0.01 of an inch in the last three weeks and Brookings only 0.02 of an inch over the same period.

SOIL CONDITION

Several stations reported cooler than average temperatures over the last week; however, these cooler-than-average temperatures were only a limited help for soil moisture conditions, which continue to dry quickly. The topsoil moisture rating dropped again this week, down 17 percentage points, to 46 percent adequate to surplus, and below the five-year average of 48 percent. Also, subsoil moisture rating fell 9 percentage points, to 66 percent adequate to surplus, but still ahead of normal at 50 percent.

FIELD CROPS REPORT

Dry weather allowed for good progress harvesting winter wheat and promoted crop development. Winter wheat harvest hit 50 percent completed this week, ahead of the five-year average of 33 percent. Average corn height is rated at 63 inches, ahead of the five-year average of 52 inches. Also, corn tasseled is 42 percent, which is well ahead of the five-year average of 17 percent. Soybeans are 60 percent blooming, ahead of normal at 46 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

The dry soils have hurt alfalfa and range and pasture conditions. Alfalfa condition dropped 8 percentage points in the good to excellent categories, now at 63 percent. Range and pasture condition dropped 12 percentage points rated good to excellent, now at 59 percent. The second cutting of alfalfa has advanced rapidly, to 58 percent compete ahead of both last year, at 57 percent, and ahead of normal, at 39 percent harvested.

Feed and Water Supplies Comparison as of July 15, 2007

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	11	12	11	26	21
Short	9	37	21	17	32	24
Adequate	82	49	62	62	42	52
Surplus	8	3	5	10	0	3

Soil Moisture Condition Comparison as of July 15, 2007

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	10	6	42	10	8	41
Short	44	31	41	24	17	34
Adequate	44	58	17	61	68	25
Surplus	2	5	0	5	7	0

Crop and Livestock Conditions as of July 15, 2007

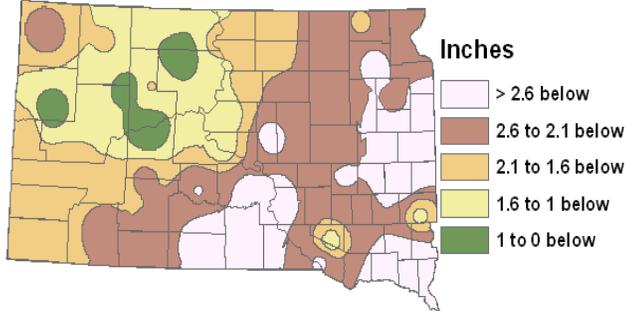
Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	2	5	18	50	25
Spring Wheat	1	4	16	50	29
Barley	1	2	15	53	29
Oats	0	4	16	61	19
Corn	1	4	17	58	20
Soybeans	1	3	14	65	17
Sorghum	1	3	27	62	7
Sunflower	1	3	27	62	7
Alfalfa	4	6	27	52	11
Cattle	0	1	9	71	19
Sheep	0	1	6	62	31
Range & Pasture	4	7	30	47	12

Crop Progress as of July 15, 2007 ¹

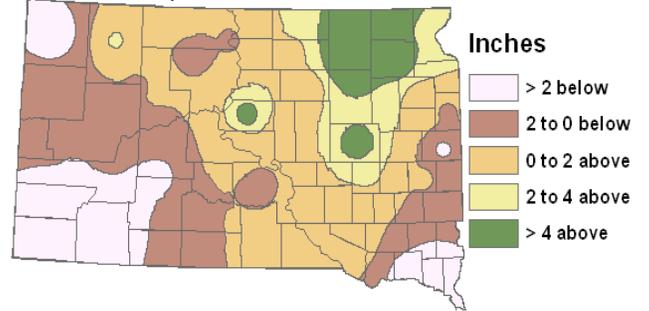
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
Winter Wheat				
Ripe	85	52	94	66
Harvested	50	13	70	33
Barley				
Turning Color	79	35	82	57
Ripe	18	1	27	12
Harvested	1	0	4	2
Oats				
Turning Color	87	55	81	63
Ripe	42	6	38	21
Harvested	10	1	16	9
Spring Wheat				
Turning Color	82	37	90	69
Ripe	14	1	36	17
Harvested	1	0	10	4
Corn				
Ave. Height (in.)	63	53	59	52
2nd cult./spray	89	81	91	85
Tasseled	42	15	35	17
Silked	17	1	10	4
Soybeans				
Blooming	60	31	62	46
Setting Pods	5	3	5	4
Sorghum				
Headed	40	8	13	8
Sunflower				
Blooming	4	1	3	2
Alfalfa				
2nd Cutting	58	26	57	39
3rd Cutting	1	0	0	0
Other Hay				
Cut	77	63	79	68

¹ Percents represent all acreage in or beyond each stage.

Accumulated Precip Departure from Normal
for Jun 16 to Jul 15, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Jul 15, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, July 15, 2007

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	70	-2	93	46	0.42	13.97	11.11	0.43	2.24	1,324	108
Buffalo	72	3	95	46	0.10	7.55	5.45	-5.53	-3.71	1,217	230
Dupree	73	1	93	54	0.12	13.04	9.81	-0.90	0.33	1,416	171
McIntosh	70	-2	92	45	0.03	12.89	9.52	0.50	1.05	1,299	58
Newell	73	1	98	49	0.08	11.41	8.09	-0.91	-0.14	1,318	112
Timber Lake	71	-1	92	49	0.81	12.85	8.36	-1.43	-0.96	1,351	131
North Central											
Aberdeen	68	-4	89	48	0.47	22.84	18.58	8.27	9.07	1,407	156
Faulkton	68	-4	89	45	0.12	14.18	9.26	-0.38	0.16	1,376	114
Mobridge	71	-2	93	46	0.02	11.90	8.19	-0.72	-0.18	1,432	182
Roscoe	68	-3	87	48	0.03	15.49	11.56	0.61	1.63	1,292	156
Northeast											
Britton	69	-2	86	52	0.04	19.66	15.34	4.95	5.59	1,493	246
Clear Lake	67	-3	84	49	0.00	17.50	11.21	-1.05	-0.23	1,317	180
Sisseton	69	-3	86	50	0.05	20.22	13.53	4.23	3.85	1,406	173
Watertown	68	-2	87	48	0.01	16.28	10.97	0.62	0.88	1,390	286
Webster	68	-3	85	53	0.27	21.90	15.17	6.70	5.41	1,316	158
West Central											
Faith	74	0	93	55	0.08	12.63	9.00	-1.19	-0.11	1,369	72
Milesville	73	-1	96	50	0.65	13.55	9.45	-1.37	-0.52	1,468	129
Philip	75	1	98	49	0.03	9.81	5.89	-3.36	-3.06	1,534	186
Rapid City	73	2	93	53	0.12	8.82	6.60	-4.15	-2.12	1,302	177
Spearfish	73	2	98	49	0.12	13.96	10.00	-3.58	-1.08	1,400	262
Central											
Chamberlain	70	-4	91	50	0.11	18.73	12.35	2.06	1.43	1,516	193
Highmore	70	-2	90	48	0.05	14.69	10.54	-1.02	0.07	1,368	99
Huron	71	-3	91	51	0.06	20.90	15.65	5.24	5.59	1,515	195
Onida	71	-2	91	49	0.49	19.83	14.49	4.98	5.22	1,405	128
Pierre	73	-2	93	53	0.12	14.90	10.75	-0.29	0.63	1,472	81
East Central											
Brookings	66	-5	84	44	0.00	13.65	8.49	-2.28	-2.37	1,357	192
Forestburg	71	-3	90	50	0.00	19.40	13.40	2.63	2.63	1,568	124
Madison	66	-5	87	42	0.03	17.13	11.45	-0.71	0.20	1,419	252
Mitchell	72	-3	90	52	0.00	17.99	11.14	0.97	0.19	1,556	180
Sioux Falls	69	-4	86	46	0.01	19.47	9.47	1.81	-1.55	1,530	211
Southwest											
Custer	67	1	88	48	0.16	10.81	7.71	-3.98	-2.33	982	138
Hot Springs	72	1	94	50	0.33	8.72	6.08	-4.27	-3.04	1,432	153
Oelrichs	75	2	96	51	0.33	6.93	4.92	-6.33	-4.08	1,449	156
Porcupine	73	0	97	45	0.12	9.33	6.25	-4.01	-2.81	1,434	173
South Central											
Kennebec	74	-2	94	47	0.09	14.50	8.24	0.61	-1.23	1,690	184
Mission	73	-1	94	47	0.17	16.52	10.37	1.41	-0.04	1,476	238
Murdo	73	-1	92	54	0.50	14.74	10.03	-0.85	-0.01	1,452	147
Winner	74	-3	94	51	0.00	19.80	12.15	1.98	0.63	1,551	28
Southeast											
Armour	74	-2	99	52	0.10	20.80	12.87	3.15	1.71	1,645	108
Centerville	71	-2	93	47	0.00	15.48	9.04	-2.61	-2.75	1,568	164
Pickstown	71	-4	91	50	0.19	19.00	11.67	1.76	0.28	1,536	108
Vermillion	72	-4	94	49	0.30	16.33	8.02	-2.10	-3.79	1,714	98
Yankton	71	-4	92	50	0.00	17.66	8.17	-0.68	-3.83	1,561	123

DATA AND MAP SOURCE: State Climate Office of South Dakota