

South Dakota Weekly Crop Weather Report



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

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For Week Ending July 29, 2007
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AGRICULTURAL SUMMARY

With only a few locations in the state receiving significant precipitation, the continued hot and dry conditions allowed producers 6.7 days suitable for fieldwork. Major farm activities included harvesting small grains and hay, caring for livestock, 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

Western parts of the state received some needed precipitation to temporarily alleviate some of the fire and dryness concerns as areas from around Custer, Dupree, and Faith received an inch or more of precipitation during storms in the middle of last week, according to the State Climate Office of South Dakota. These storms were associated with a cold front that brought needed cooler air to the whole state. Early in the week temperatures again exceeded 100°F across most of the western part of the state.

Temperatures in the 90s, accompanying dew points in the 70s, led to nearly 3,000 cattle deaths in the northeast part of the state under extreme heat index conditions.

Most of the state received little or no precipitation continuing the stretch of dryness that has occurred for nearly the last six weeks across the state. Some locations (Centerville for example) have received no precipitation this month. This has led to precipitation totals of less than 25% of average for the last 30 days over much of the eastern and southern parts of the state.

SOIL CONDITION

Hot conditions with little-to-no significant rainfall have contributed to dryer topsoil moisture and subsoil moisture conditions this past week. The topsoil moisture rating continues to decline, with 77 percent of the state now rated short or very short, up 9 percentage points from last week and 12 points higher than the five-year average of 65 percent. The subsoil moisture rating has also dried, with 59 percent rated short or very short, up 13 points from last week.

FIELD CROPS REPORT

This week has been marked by the rapid progression of the small grain harvest. The oats harvest progressed to 70 percent completed this week, 41 percentage points ahead of last week and 20 points ahead of the five-year average. Barley and spring wheat harvests are also progressing well, to 30 percent and 37 percent completed, respectively. Hot, dry weather has caused row crop conditions to decline, with corn rated at 57 percent good to excellent, down 13 points from last week, and soybeans rated at 62 percent in good to excellent condition, down 8 points from last week.

LIVESTOCK, PASTURE, AND RANGE REPORT

The dry weather continues to hurt alfalfa and range and pasture conditions. Alfalfa condition dropped 15 percentage points in the good to excellent categories, now at 42 percent. Range and pasture condition dropped 11 percentage points rated good to excellent, now at 44 percent. Cattle and sheep conditions have also fallen, now down to 74 percent and 88 percent rated good to excellent, respectively.

Feed and Water Supplies Comparison as of July 29, 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	2	20	15	13	37	26
Short	13	35	23	22	34	27
Adequate	80	43	58	59	29	45
Surplus	5	2	4	6	0	2

Soil Moisture Condition Comparison as of July 29, 2007

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	27	14	62	17	9	55
Short	50	54	34	42	37	34
Adequate	22	31	4	39	51	11
Surplus	1	1	0	2	3	0

Crop and Livestock Conditions as of July 29, 2007

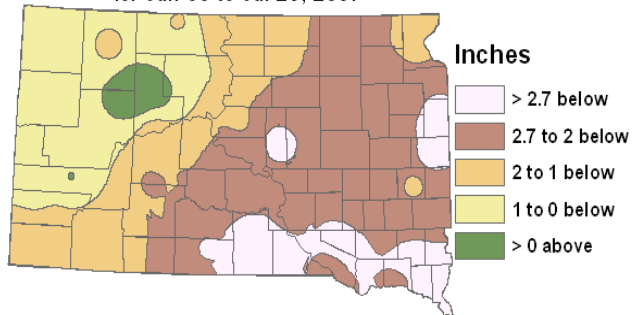
Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Spring Wheat	1	4	22	50	23
Barley	0	2	17	62	19
Oats	0	2	23	58	17
Corn	3	11	29	44	13
Soybeans	2	7	29	49	13
Sorghum	0	13	46	35	6
Sunflower	2	6	31	56	5
Alfalfa	5	18	35	37	5
Cattle	3	3	20	59	15
Sheep	0	1	11	67	21
Range & Pasture	5	14	37	35	9

Crop Progress as of July 29, 2007 ¹

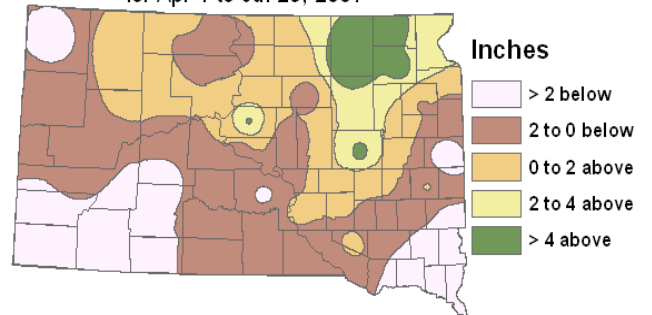
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
Winter Wheat				
Harvested	95	80	98	88
Barley				
Ripe	86	52	79	61
Harvested	30	6	46	27
Oats				
Ripe	93	70	88	77
Harvested	70	29	68	50
Spring Wheat				
Ripe	81	46	83	70
Harvested	37	11	51	36
Corn				
Tasseled	93	72	87	79
Silked	68	40	63	51
Dough	10	4	11	5
Dent	1	0	2	0
Soybeans				
Blooming	88	78	91	83
Setting Pods	38	12	44	31
Sorghum				
Headed	67	48	52	40
Coloring	3	0	11	8
Sunflower				
Blooming	20	8	22	17
Ray Flowers Dry	0	0	0	1
Alfalfa				
2nd Cutting	87	79	80	73
3rd Cutting	10	3	14	7
Other Hay				
Cut	89	85	90	85

¹ Percents represent all acreage in or beyond each stage.

Accumulated Precip Departure from Normal
for Jun 30 to Jul 29, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Jul 29, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, July 29, 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	81	7	107	61	0.07	14.08	11.22	-0.39	1.42	1,684	153
Buffalo	78	8	106	58	0.17	8.82	6.72	-5.16	-3.34	1,572	307
Dupree	81	8	107	59	1.00	15.21	11.98	0.36	1.59	1,769	209
McIntosh	80	7	108	57	0.00	12.90	9.53	-0.43	0.12	1,644	89
Newell	78	4	105	59	0.17	11.96	8.64	-1.13	-0.36	1,665	140
Timber Lake	81	8	104	59	0.80	13.68	9.19	-1.63	-1.16	1,712	172
North Central											
Aberdeen	77	4	97	56	0.01	23.07	18.81	7.24	8.04	1,744	174
Faulkton	78	5	101	60	0.00	14.19	9.27	-1.53	-0.99	1,711	129
Mobridge	81	7	107	57	0.29	12.23	8.52	-1.37	-0.83	1,807	224
Roscoe	79	7	102	57	0.43	15.95	12.02	-0.14	0.88	1,623	179
Northeast											
Britton	79	7	96	60	0.52	20.30	15.98	4.16	4.80	1,849	291
Clear Lake	77	5	92	62	0.12	17.74	11.45	-2.27	-1.45	1,648	213
Sisseton	77	4	92	60	0.69	21.68	14.99	4.32	3.94	1,743	193
Watertown	78	7	96	59	0.06	16.51	11.20	-0.37	-0.11	1,740	343
Webster	77	5	93	63	0.00	22.69	15.96	5.81	4.52	1,662	192
West Central											
Faith	79	4	107	62	2.98	15.64	12.01	0.68	1.76	1,737	111
Milesville	83	8	108	60	0.14	13.69	9.59	-2.49	-1.64	1,845	177
Philip	82	7	108	60	0.06	9.87	5.95	-4.27	-3.97	1,915	244
Rapid City	80	7	106	62	0.85	10.69	8.47	-3.12	-1.09	1,673	235
Spearfish	77	4	102	57	0.10	14.78	10.82	-3.61	-1.11	1,745	293
Central											
Chamberlain	81	5	104	60	0.00	18.89	12.51	0.96	0.33	1,893	246
Highmore	79	5	103	56	0.00	14.73	10.58	-2.40	-1.31	1,728	140
Huron	80	6	101	60	0.00	21.02	15.77	4.15	4.50	1,881	231
Onida	79	5	103	60	0.02	19.88	14.54	3.88	4.12	1,766	171
Pierre	82	6	109	61	0.00	14.91	10.76	-1.42	-0.50	1,843	113
East Central											
Brookings	76	5	92	56	0.00	13.77	8.61	-3.44	-3.53	1,672	212
Forestburg	80	5	101	59	0.00	19.50	13.50	1.54	1.54	1,932	152
Madison	77	6	94	57	0.00	18.34	12.66	-0.86	0.05	1,755	293
Mitchell	79	5	101	57	0.00	17.99	11.14	-0.14	-0.92	1,904	191
Sioux Falls	79	6	95	58	0.00	19.78	9.78	0.86	-2.50	1,888	239
Southwest											
Custer	70	3	92	54	1.36	12.40	9.30	-3.73	-2.08	1,277	196
Hot Springs	78	5	100	56	0.36	9.18	6.54	-4.91	-3.68	1,782	204
Oelrichs	80	5	105	58	0.04	7.21	5.20	-6.95	-4.70	1,806	202
Porcupine	81	7	105	56	0.33	9.66	6.58	-4.80	-3.60	1,797	225
South Central											
Kennebec	83	6	103	61	0.00	14.53	8.27	-0.57	-2.41	2,067	226
Mission	81	7	103	58	0.00	16.52	10.37	0.10	-1.35	1,851	286
Murdo	83	8	106	62	0.00	14.74	10.03	-2.01	-1.17	1,839	202
Winner	82	5	102	59	0.00	19.80	12.15	0.52	-0.83	1,944	77
Southeast											
Armour	80	3	99	60	0.00	20.83	12.90	1.83	0.39	2,007	126
Centerville	79	5	94	62	0.00	15.48	9.04	-4.04	-4.18	1,930	189
Pickstown	83	7	102	60	0.00	19.00	11.67	0.54	-0.94	1,911	138
Vermillion	80	4	93	63	0.00	16.53	8.22	-3.40	-5.09	2,077	111
Yankton	81	6	97	64	0.00	18.12	8.63	-1.67	-4.82	1,941	166

DATA AND MAP SOURCE: State Climate Office of South Dakota