

South Dakota Weekly Crop Weather Report

Released: August 1, 2011 -- 3:00 p.m. CST
For Week Ending July 31, 2011
SD-CW6031 Volume 60 Issue 31



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

AGRICULTURAL SUMMARY

The warm, humid weather last week brought 5.4 days suitable for field work. Crop development continues to push along, but the weather conditions are causing some crops to show some stress. Livestock are also continuing to show stress from the warm temperatures. Major activities this week included; spraying weeds, scouting for pest, harvesting small grains and hay, baling straw, and trying to keep livestock cool.

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

WEATHER INFORMATION

Another warm week brought to close a very warm month statewide. Heavy precipitation fell in some areas while others saw beginnings of crop stress because of a lack of precipitation, according to the State Climate Office of South Dakota.

Temperatures averaged in the 70's F statewide for the week. Except for a few areas of the northwest to north central, these temperatures were 1-7° F above average for the week. The daily high for the week was 101° F at Hot Springs, Oelrichs and Pickstown. The low was 53° F at Custer. For the month temperatures were above average statewide by 1- 5° F. For some stations in the east this July will be in the top 10 warmest on record. The warm conditions helped to reduce the deficit in growing degree days from the cool spring. Some locations in the southeast were now ahead of average GDDs. The greatest deficits were in the north to northwest where deviations are generally at worst a week behind.

Precipitation continues a great deal of variability across the state. Several stations in the northeast received more than 3 inches for the week. Many scattered areas received much less than 0.5 inches. Britton reported the highest total at 3.81 inches. Webster and Oelrichs reported no precipitation. Precipitation has been very scattered, particularly across the west where several areas around the Black Hills were quite dry for the month adjacent to nearer average areas. The far southeast has the most consistently dry area over the last 30 days where crop stress reports were appearing. Again directly adjacent to very wet areas near Sioux Falls.

FIELD CROPS REPORT

Crops continue to progress as the weather has allowed for good growth and development. Corn now 84 percent tasseled, just behind the previous year of 89 percent, silked stage jumped to 57 percent complete, now even with the 5-year average. Soybeans blooming are at 81 percent, just shy of 84 percent for the 5-year average. Soybeans setting pods, now at 26 percent, are behind the 34 percent for last year. Winter Wheat harvest is in full swing with 72 percent complete, behind 82 percent on the previous year. Harvest has started for spring wheat, with 11 percent done, behind the previous year of 31 percent.

Crop and Livestock Conditions as of July 31, 2011

Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	0	1	27	58	14
Spring Wheat	1	4	30	50	15
Barley	0	5	18	64	13
Oats	0	4	19	64	13
Corn	2	5	18	53	22
Soybeans	2	5	23	51	19
Sorghum	0	1	17	70	12
Sunflower	0	1	28	62	9
Alfalfa	1	2	18	60	19
Cattle	0	1	14	69	16
Sheep	0	2	13	67	18
Range & Pasture	1	3	16	60	20

LIVESTOCK, PASTURE, AND RANGE REPORT

Livestock conditions held steady, but flies, mosquitoes, and heat continue to be problematic. Cattle conditions are steady from last week, with 85 percent rated good to excellent, just behind the previous year of 88 percent. Sheep conditions are 85 percent rated good to excellent, just short of 90 percent the previous year. Pastures still remain mainly in good to excellent condition, with adequate water supplies. Stock water supplies continue to be stable at 97 percent rate adequate to surplus, just behind 99 for last year. Feed supplies are at 99 percent rated adequate to surplus, ahead of the 5-year average of 84 percent.

Feed and Water Supplies Comparison as of July 31, 2011

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	5	0	0	11
Short	1	2	12	3	1	15
Adequate	85	79	74	71	70	63
Surplus	14	18	10	26	29	12

Soil Moisture Condition Comparison as of July 31, 2011

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	1	1	0	1	1	0
Short	13	17	11	10	10	10
Adequate	69	63	62	65	62	63
Surplus	17	19	26	24	27	27

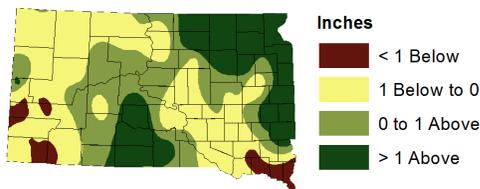
Crop Progress as of July 31, 2011 ¹

Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
Winter Wheat				
Ripe	98	75	100	96
Harvested	72	29	82	76
Barley				
Headed	98	87	100	100
Turning Color	77	29	97	95
Ripe	9	4	55	63
Harvested	1	0	20	26
Oats				
Turning Color	85	59	97	96
Ripe	45	25	72	74
Harvested	21	5	37	46
Spring Wheat				
Turning Color	91	62	97	97
Ripe	33	7	71	65
Harvested	11	0	27	31
Corn				
2nd cult./spray	94	91	89	95
Tasseled	84	60	89	81
Silked	57	24	65	57
Dough	2	0	8	8
Soybeans				
Blooming	81	65	79	84
Setting Pods	26	10	34	35
Sorghum				
Headed	20	12	41	45
Coloring	1	0	1	5
Sunflower				
Blooming	11	5	13	18
Alfalfa				
2nd Cutting	74	56	69	75
3rd Cutting	5	N/A	6	8
Other Hay				
Cut	85	73	87	86

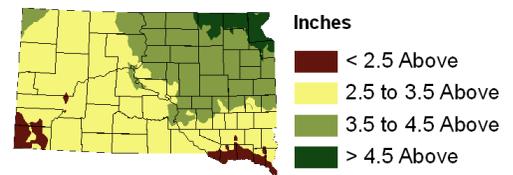
¹ Percents represent all acreage in or beyond each stage.

ADDRESS SERVICE REQUESTED

PAST 30 DAYS
Accumulated Precip Deviation from Average
From July 2 to July 31, 2011



GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to July 31, 2011



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, July 31, 2011

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	Since April 1	
Northwest											
Bison	72	-2	90	56	0.78	15.66	11.15	1.00	1.16	1,431	-111
Buffalo	74	2	90	56	0.38	17.43	13.77	4.17	4.20	1,288	-145
Dupree	77	3	96	58	2.54	21.69	15.65	6.60	5.02	1,479	-177
McIntosh	73	-1	89	56	0.10	13.95	10.05	0.47	0.35	1,435	-163
Newell	73	-1	95	56	0.76	16.15	11.49	1.66	1.30	1,371	-168
Timber Lake	75	2	97	59	1.15	20.63	14.53	5.18	4.04	1,526	-88
North Central											
Aberdeen	76	3	93	62	0.45	23.55	17.27	7.59	6.37	1,607	-41
Faulkton	75	2	97	61	0.12	20.11	14.07	5.78	3.63	1,531	-150
Mobridge	76	2	94	59	0.21	16.22	11.01	2.53	2.47	1,467	-168
Roscoe	75	3	90	62	1.60	22.67	15.61	6.42	4.31	1,432	-8
Northeast											
Britton	75	2	89	58	3.81	26.15	18.23	9.76	6.84	1,657	-50
Clear Lake	74	3	87	61	0.77	24.62	16.33	5.72	4.49	1,407	-222
Sisseton	76	3	90	64	3.40	27.29	18.13	9.85	7.00	1,546	-135
Watertown	75	4	87	61	0.25	21.49	12.70	4.48	1.31	1,469	-131
Webster	77	5	91	61	0.00	23.26	12.41	5.94	0.53	1,543	-63
West Central											
Faith	76	1	94	60	1.18	17.31	12.01	2.06	1.92	1,404	-239
Milesville	79	4	100	60	0.45	18.10	13.52	1.79	2.16	1,549	-166
Philip	78	3	97	61	0.83	16.65	12.23	2.51	2.25	1,499	-201
Rapid City	76	3	97	58	0.19	15.89	11.92	1.99	2.31	1,388	-147
Spearfish	74	1	91	58	0.85	18.09	12.09	0.64	1.10	1,401	-72
Central											
Chamberlain	80	5	98	64	0.54	17.94	13.77	6.04	2.52	1,737	-52
Highmore	76	2	95	60	0.25	15.49	10.98	2.77	0.06	1,495	-224
Huron	78	4	92	61	2.29	20.12	13.37	3.11	2.02	1,724	-1
Onida	78	4	92	62	0.37	19.20	13.22	2.83	2.61	1,599	-145
Pierre	78	1	97	61	0.36	23.86	17.22	7.41	5.89	1,582	-198
Wessington Spr.	80	4	98	65	1.14	21.52	15.48	3.46	3.52	1,698	-109
East Central											
Brookings	76	5	90	59	1.25	22.47	16.28	5.08	3.96	1,544	29
Madison	76	5	91	59	1.42	22.48	17.28	3.07	4.46	1,574	-70
Mitchell	82	7	98	66	0.96	20.23	14.62	2.78	3.26	1,836	36
Sioux Falls	76	2	91	61	2.56	24.31	18.53	5.23	6.16	1,704	-60
Southwest											
Custer	70	3	89	53	0.42	18.11	12.32	1.82	0.86	1,135	-28
Hot Springs	77	5	101	56	0.59	15.31	11.21	0.98	0.75	1,573	-81
Oelrichs	78	3	101	58	0.00	12.85	10.06	-1.31	0.04	1,512	-161
Porcupine	78	4	100	60	1.34	19.53	12.87	4.93	2.55	1,510	-176
South Central											
Kennebec	81	4	99	60	0.89	17.01	12.84	1.75	2.00	1,733	-156
Mission	77	3	96	61	1.71	25.93	20.92	9.37	9.06	1,536	-79
Murdo	80	5	97	60	1.76	26.15	20.64	9.26	9.30	1,576	-159
Winner	79	2	97	64	2.77	20.46	16.72	3.16	3.62	1,740	-178
Southeast											
Academy	79	5	96	63	1.68	22.21	19.22	3.58	6.45	1,634	-146
Centerville	79	5	94	64	0.03	17.84	14.41	-1.01	0.85	1,796	29
Pickstown	83	7	101	67	0.36	18.46	12.71	-0.16	-0.06	1,863	5
Vermillion	81	5	93	67	0.16	17.54	12.85	-2.60	-0.67	1,989	-41
Yankton	80	5	95	65	0.13	23.05	16.47	3.06	2.82	1,842	-10