

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

The hot, humid week that allowed for 6.4 days suitable for field work, pushed crop progress along, but was hard on livestock. Crop conditions were reported steady to slightly lower, showing some stress from the weather. Producer's stayed busy this week; spraying weeds, scouting for pest, hauling grain, haying, harvesting wheat, and trying to protect livestock from the heat.

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

WEATHER INFORMATION

Statewide conditions were dominated by a very warm-humid airmass throughout much of the week, according to the State Climate Office of South Dakota. Temperatures were well into the 90's with many locations into the 100's F. Accompanying the high temperatures were dew points which reached well into the 70's and even lower 80's F. These combined to produce heat indexes reaching very dangerous levels leading to health issues for humans and cattle. Over 1500 cattle were reported lost during the week. Average temperatures were far above average for this time of year, ranging from 5-10° F, because of the high daytime temperatures and very warm overnight lows during the most humid part of the week. Philip, Kennebec and Winner shared the daily high temperature of 105° F; Custer had the low at 52° F. The warmer temperatures of the last two weeks have closed the deficit on GDDs substantially. Usually above average accumulation is not expected this time of year.

Rainfall was much more isolated and lighter this week. A few areas of the northeast, Harding County and some areas in the central part of the state received the heaviest rain. Outside these areas, little or no rain fell. Most of the state was below average in precipitation for the week. Buffalo reported the highest total for the week at 2.36 inches. Fourteen stations reported no precipitation. Another twelve reported less than 0.10 inches.

FIELD CROPS REPORT

Crops developed this week by leaps and bounds, but conditions are starting to show some stress. Corn jumped to 60 percent tasseled, behind the previous year of 70 percent, and is now 24 percent silked, lagging behind 43 percent for last year. Soybeans blooming shot up to 65 percent, just shy of 71 percent for the 5-year average. Soybeans setting pods, now at 10 percent, are behind the 21 percent for last year. Winter Wheat is now 29 percent harvested, still short of 57 percent for the previous year. Sixty-two percent of the spring wheat crop is turning color, lagging behind the 5-year average of 86 percent. Oats are 59 percent turning color and 25 percent ripe, still behind last year at 90 and 47 percent respectively. ^{1st} cutting of alfalfa is coming to an end with 95 percent complete and ^{2nd} cutting is 56 percent harvested both just short of the 5-year averages of 99 and 62 percent respectively.

Crop and Livestock Conditions as of July 24, 2011

Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	0	1	19	63	17
Spring Wheat	1	2	24	53	20
Barley	0	1	29	60	10
Oats	0	1	18	70	11
Corn	2	4	16	62	16
Soybeans	3	6	21	60	10
Sorghum	0	1	15	73	11
Sunflower	0	1	21	67	11
Alfalfa	1	3	15	61	20
Cattle	1	1	11	72	15
Sheep	0	2	11	69	18
Range & Pasture	1	2	11	65	21

LIVESTOCK, PASTURE, AND RANGE REPORT

Livestock conditions are in decent shape, but flies, mosquitoes, and heat were major problems, resulting in losses to some producers. Cattle conditions are slightly lower from last week, with 87 percent rated good to excellent, just behind the previous year of 90 percent. Sheep conditions held steady with the previous year, having 87 percent rated good to excellent. Feed supplies are at 100 percent rated adequate to surplus, ahead of the 5-year average of 83 percent.

Feed and Water Supplies Comparison as of July 24, 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	0	4	0	0	9
Short	0	3	13	2	3	15
Adequate	86	76	73	73	69	64
Surplus	14	21	10	25	27	12

Soil Moisture Condition Comparison as of July 24, 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	0	2	1	1	0
Short	17	4	14	10	4	11
Adequate	63	74	64	62	67	67
Surplus	19	22	20	27	28	22

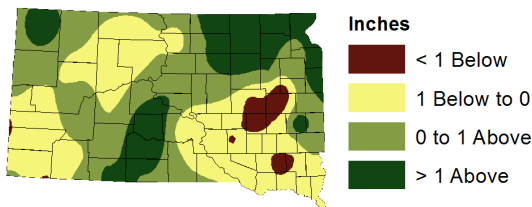
Crop Progress as of July 24, 2011 ¹

Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
Winter Wheat				
Turning Color	99	95	100	100
Ripe	75	20	94	86
Harvested	29	1	57	56
Barley				
Headed	87	75	100	100
Turning Color	29	7	89	86
Ripe	4	0	22	32
Harvested	0	0	7	8
Oats				
Headed	97	91	100	100
Turning Color	59	42	90	88
Ripe	25	5	47	50
Harvested	5	0	13	22
Spring Wheat				
Headed	96	94	100	100
Turning Color	62	20	90	86
Ripe	7	1	44	39
Harvested	0	0	5	12
Corn				
2nd cult./spray	91	64	80	89
Tasseled	60	13	70	57
Silked	24	2	43	32
Soybeans				
Blooming	65	34	64	71
Setting Pods	10	0	21	17
Sorghum				
Headed	12	3	17	26
Sunflower				
Blooming	5	1	8	9
Alfalfa				
1st Cutting	95	92	99	99
2nd Cutting	56	31	54	62
Other Hay				
Cut	73	65	77	80

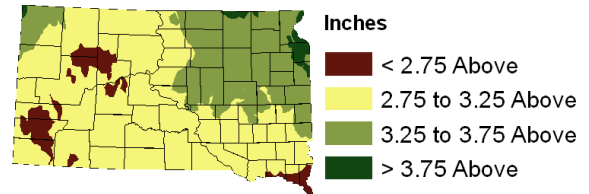
¹ Percents represent all acreage in or beyond each stage.

ADDRESS SERVICE REQUESTED

PAST 30 DAYS
Accumulated Precip Deviation from Average
From June 25 to July 24, 2011



GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to July 24, 2011



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, July 24, 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	78	5	96	59	0.20	14.88	10.37	0.65	0.81	1,276	-120
Buffalo	75	4	95	55	2.36	17.05	13.39	4.21	4.24	1,126	-169
Dupree	81	8	103	55	0.00	19.15	13.11	4.48	2.90	1,316	-190
McIntosh	77	4	99	54	0.20	13.85	9.95	0.81	0.69	1,279	-171
Newell	79	5	102	54	0.00	15.39	10.73	1.25	0.89	1,216	-174
Timber Lake	80	7	102	58	0.03	19.48	13.38	4.52	3.38	1,342	-123
North Central											
Aberdeen	81	8	100	60	0.71	23.10	16.82	7.76	6.54	1,429	-70
Faulkton	79	6	99	59	0.00	19.99	13.95	6.27	4.12	1,345	-186
Mobridge	79	5	100	55	0.03	16.01	10.80	2.81	2.75	1,294	-187
Roscoe	78	6	100	60	0.02	21.07	14.01	5.38	3.27	1,266	-42
Northeast											
Britton	80	8	98	58	0.88	22.34	14.42	6.62	3.70	1,483	-73
Clear Lake	78	7	94	60	0.14	23.85	15.56	5.65	4.42	1,243	-242
Sisseton	79	6	97	59	0.32	23.89	14.73	7.10	4.25	1,376	-155
Watertown	79	8	96	58	1.58	21.24	12.45	4.84	1.67	1,295	-160
Webster	78	6	96	61	1.56	23.26	12.41	6.78	1.37	1,365	-95
West Central											
Faith	79	4	100	59	0.00	16.13	10.83	1.40	1.26	1,235	-254
Milesville	81	6	103	58	0.57	17.65	13.07	1.94	2.31	1,399	-159
Philip	83	8	105	56	0.06	15.82	11.40	2.15	1.89	1,332	-211
Rapid City	79	6	102	54	0.00	15.70	11.73	2.22	2.54	1,225	-163
Spearfish	79	7	96	54	0.00	17.24	11.24	0.21	0.67	1,195	-132
Central											
Chamberlain	85	10	104	63	0.00	17.40	13.23	6.12	2.60	1,483	-146
Highmore	81	8	100	61	0.13	15.24	10.73	3.20	0.49	1,316	-250
Huron	83	9	100	61	0.01	17.83	11.08	1.39	0.30	1,534	-36
Onida	80	6	99	59	0.37	18.83	12.85	3.02	2.80	1,404	-184
Pierre	81	5	101	59	0.48	23.50	16.86	7.59	6.07	1,402	-215
Wessington Spr.	83	8	101	63	0.67	20.38	14.34	2.90	2.96	1,507	-143
East Central											
Brookings	80	9	94	59	0.02	21.22	15.03	4.46	3.34	1,369	-12
Madison	80	9	95	59	0.09	21.06	15.86	2.35	3.74	1,396	-104
Mitchell	84	9	102	66	0.00	19.27	13.66	2.35	2.83	1,642	1
Sioux Falls	82	8	96	62	0.14	21.75	15.97	3.30	4.23	1,525	-84
Southwest											
Custer	74	7	92	52	0.01	17.69	11.90	2.03	1.07	985	-63
Hot Springs	81	8	102	56	0.05	14.72	10.62	0.91	0.68	1,411	-99
Oelrichs	81	6	104	56	0.00	12.85	10.06	-0.89	0.46	1,347	-175
Porcupine	81	7	102	57	0.00	18.19	11.53	4.10	1.72	1,343	-191
South Central											
Kennebec	83	6	105	58	0.20	16.12	11.95	1.42	1.67	1,552	-174
Mission	80	6	99	60	0.02	24.22	19.21	8.26	7.95	1,366	-97
Murdo	82	7	101	62	1.65	24.39	18.88	8.03	8.07	1,400	-176
Winner	86	9	105	64	0.01	17.69	13.95	1.06	1.52	1,555	-197
Southeast											
Academy	82	8	101	61	0.02	20.53	17.54	2.50	5.37	1,451	-172
Centerville	81	7	96	64	0.00	17.81	14.38	-0.34	1.52	1,596	-21
Pickstown	85	9	103	65	0.00	18.10	12.35	0.05	0.15	1,670	-24
Vermillion	84	8	98	68	0.00	17.38	12.69	-2.05	-0.12	1,789	-74
Yankton	83	8	102	63	0.00	22.92	16.34	3.63	3.39	1,652	-40