

South Dakota Weekly Crop Weather Report

Released: June 21, 2010 -- 3:00 p.m. CST
For Week Ending June 20, 2010
SD-CW5926 Volume 59 Issue 26



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

AGRICULTURAL SUMMARY

Widespread severe weather and heavy rain fell across much of the state while other areas received high winds and sunshine helping dry soggy pastures and fields. These various conditions left an average of 3.3 days suitable for fieldwork for the week ending June 20. Delayed planting of fields is proving to be a challenge for producers as they decide what crops to finish planting. Farm activities focused on finishing corn, soybean, sorghum and sunflower planting, as well as moving cattle to pasture, and harvesting hay.

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

WEATHER INFORMATION

Western South Dakota experienced more of the heavier rains and severe weather during the last week with the one particularly large storm over Dupree causing tornado and wind damage, according to the State Climate Office of South Dakota. Dupree had by far the highest total for the week at 5.09 inches. Custer and Hot Springs had over 2 inches for the week. The lowest precipitation total was 0.23 inches at Faith. These precipitation totals still were leading to excessive water in fields based on extension reports because of the extended period of wetness.

Temperatures were cooler than average statewide (from 1° – 9° F below average) except for a couple stations in the northeast. Yankton reported the high for the week at 91° F; Custer reported the low at 35° F. Growing degree days are 5-8 days ahead of average in eastern parts of the state. Most of the western part of the state was slightly below average accumulation. Precipitation accumulations and deviations have changed from last week's totals due to an error in the accumulation program and updates for missing data.

SOIL CONDITION

Soil temperatures at 4-inch depth continue in the 60s F statewide. Oacoma was the warmest at 74° F; Caputa was the coolest at 61° F.

FIELD CROPS REPORT

Again this week, South Dakota continues to wait on sunshine and warm weather conditions for further crop development. Average corn height is 14 inches which is up 9 inches from last year and on track with the five-year average. Soybean continues to progress at 94 percent planted, consistent with previous week. This is only 5 points behind previous year and the five-year average. Spring wheat is making progress, now at 79 percent booting, which is up 4 points from the previous year and 1 point behind the 5 year average. Winter wheat is continuing to develop and is now 90 percent headed, 6 points ahead of the previous year and equal to five year average.

LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle are rated 91 percent in the good to excellent condition. Sheep are rated 89 percent in the good to excellent condition, down 5 percent from last week. Feed supplies are rated at 96 percent adequate to surplus, up 9 points from last year. Eighty-nine percent of range and pasture is rated good to excellent condition, up 17 percentage points from last year and 19 percentage points above the five-year average.

Average Soil Temperatures Week Ending June 20, 2010 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	65	Nisland	64
Beresford	69	Oacoma	74
Bowdle	63	Parkston	71
Brookings	67	Pierre	71
Caputa	61	Redfield	64
Cottonwood	71	South Shore	NA

Feed and Water Supplies Comparison as of June 20, 2010

Rating	Feed Supplies			Stock Water Supplies		
	This Week	Last Year	5 Yr. Avg.	This Week	Last Year	5 Yr. Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Very Short	0	7	5	0	1	7
Short	4	6	11	1	4	11
Adequate	81	82	77	55	87	70
Surplus	15	5	7	44	8	11

Soil Moisture Condition Comparison as of June 20, 2010

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Very Short	1	1	6	1	0	6
Short	2	2	22	2	3	22
Adequate	52	48	65	54	53	69
Surplus	45	49	7	43	44	4

Crop and Livestock Conditions as of June 20, 2010

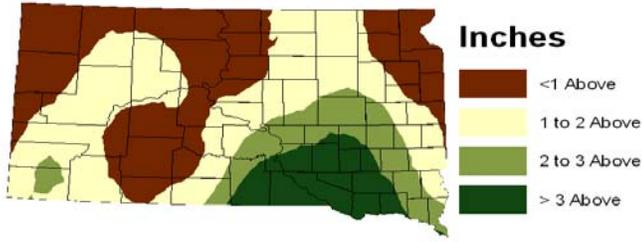
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	0	1	13	61	25
Spring Wheat	0	1	24	56	19
Barley	0	1	32	58	9
Oats	0	1	15	68	16
Corn	2	4	20	59	15
Soybeans	2	6	20	58	14
Sorghum	0	0	9	78	13
Sunflower	0	0	39	55	6
Alfalfa	1	4	16	63	16
Cattle	0	0	9	71	20
Sheep	0	0	11	63	26
Range & Pasture	0	1	10	60	29

Crop Progress as of June 20, 2010 ¹

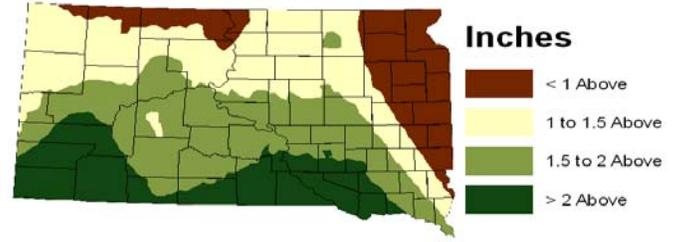
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Boot	98	96	98	99
Headed	90	80	84	90
Turning Color	14	0	3	21
Barley				
Boot	78	25	75	74
Headed	19	13	33	31
Oats				
Boot	75	42	73	79
Headed	42	13	28	37
Turning Color	2	0	0	1
Spring Wheat				
Boot	79	64	75	80
Headed	36	18	35	39
Turning Color	0	0	0	1
Corn				
Ave. Height (in.)	14	9	9	14
1st cult./spray	74	62	66	75
2nd cult./spray	15	6	10	16
Soybeans				
Planted	94	91	96	96
Emerging	81	65	87	85
Sorghum				
Planted	94	77	92	89
Emerging	64	38	65	64
Sunflower				
Planted	73	51	80	76
Alfalfa				
1st Cutting	45	33	48	54
Other Hay				
Cut	17	15	15	21

¹ Percents represent all acreage in or beyond each stage.

PAST 30 DAYS
Accumulated Precip Deviation from Average
From May 22 to June 20, 2010



GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to June 20, 2010



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, June 20, 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		
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
Northwest											
Bison	59	-7	82	41	0.95	14.37	8.44	2.61	1.68	647	-48
Buffalo	59	-5	86	39	0.59	9.69	6.55	-0.54	0.08	600	-12
Dupree	63	-4	82	46	5.09	18.48	13.81	6.79	6.58	710	-3
McIntosh	62	-4	84	45	0.25	11.62	5.46	1.41	-0.83	615	-109
Newell	61	-6	83	42	0.86	12.26	8.29	1.75	1.87	578	-113
Timber Lake	64	-2	83	48	0.58	13.18	7.50	1.18	0.46	710	41
North Central											
Aberdeen	65	-2	84	51	1.77	19.69	11.22	7.77	4.36	798	85
Faulkton	65	-2	82	51	0.52	17.50	7.24	5.07	0.27	755	31
Mobridge	64	-3	84	48	0.32	13.58	6.66	1.96	3.06	768	65
Roscoe	65	-1	83	53	0.96	18.57	9.06	6.21	1.65	735	73
Northeast											
Britton	66	0	85	53	1.20	16.05	6.16	4.26	-0.67	790	61
Clear Lake	65	-1	86	53	0.69	23.65	8.21	8.30	-0.16	778	148
Sisseton	68	1	88	54	1.28	21.64	7.43	8.33	-0.29	809	104
Watertown	66	1	86	50	0.34	18.11	7.53	5.27	0.26	748	135
Webster	66	0	85	54	0.62	17.66	7.03	5.47	0.28	761	120
West Central											
Faith	59	-9	80	45	0.23	12.45	8.36	0.90	1.52	695	-42
Milesville	66	-3	85	44	0.88	16.46	7.69	4.04	0.58	755	-15
Philip	61	-7	90	44	0.58	13.10	7.09	1.98	0.19	731	-53
Rapid City	59	-6	84	42	1.11	15.29	11.83	4.24	5.03	578	-48
Spearfish	63	-2	87	47	1.29	15.56	8.04	0.39	-0.67	651	12
Central											
Chamberlain	65	-3	86	53	0.94	20.16	11.96	6.08	3.63	762	4
Highmore	63	-4	80	50	0.61	15.65	7.42	4.33	0.99	692	-37
Huron	66	-2	86	53	0.61	19.72	10.62	6.63	3.13	860	105
Onida	63	-4	83	48	0.32	16.37	8.54	3.89	1.64	705	-28
Pierre	63	-6	83	49	0.78	18.21	9.52	5.59	1.97	760	-45
East Central											
Brookings	65	-2	86	51	0.49	19.86	10.11	6.95	2.27	782	121
Forestburg	68	-2	87	55	0.66	21.48	11.34	7.25	3.11	910	54
Madison	62	-5	81	54	0.81	18.13	8.81	3.06	0.33	783	124
Mitchell	70	0	89	56	0.49	21.64	11.54	7.13	3.10	951	161
Sioux Falls	66	-2	88	50	0.57	20.50	9.22	5.42	0.78	860	96
Southwest											
Custer	53	-7	76	35	2.05	11.86	8.31	-0.44	0.76	350	-121
Hot Springs	62	-4	83	43	2.42	20.22	14.43	9.46	7.54	672	-102
Oelrichs	61	-6	86	43	1.42	18.14	12.00	6.86	4.98	670	-89
Porcupine	59	-7	84	39	1.60	19.47	9.71	8.48	3.00	661	-70
South Central											
Kennebec	67	-3	87	47	0.64	17.14	9.53	5.74	2.45	901	-10
Mission	63	-5	86	48	0.93	15.53	8.17	2.92	0.26	720	24
Murdo	65	-4	89	50	0.90	17.24	8.68	4.24	1.23	765	25
Winner	65	-6	87	52	1.34	16.38	9.16	0.08	-0.74	790	-125
Southeast											
Academy	65	-3	85	54	0.91	15.25	8.07	0.66	-0.66	755	32
Centerville	68	-2	90	54	0.46	14.01	4.64	-1.08	3.23	881	63
Pickstown	67	-3	87	55	0.96	16.88	8.64	2.16	-0.23	810	-16
Vermillion	71	-1	90	54	1.08	18.60	8.62	3.07	-0.29	1,064	77
Yankton	70	-1	91	54	1.01	23.40	10.92	8.02	1.88	972	129

DATA AND MAP SOURCE: State Climate Office of South Dakota