

South Dakota Weekly Crop Weather Report

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AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

Last week brought 5.4 days suitable for fieldwork, which gave farmers a chance to continue cutting silage and seed winter wheat. Some areas are in need of rain to help the winter wheat seeding. Farm activities focused on the general care of livestock, preparing and seeding winter wheat, cutting silage, and preparing machinery for row crop harvest.

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

WEATHER INFORMATION

The transition to climatological fall brought fall-like conditions with cooler temperatures spreading over the state over the Labor Day weekend, according to the State Climate Office of South Dakota. Some temperatures dropped into the mid 30's (near frost conditions) at several stations in the southwestern part of the state. Average temperatures were in the 60's statewide. Most locations were near to slightly below average for the week. Murdo had the highest temperature at 99° F. Custer had the lowest temperature at 34° F.

Precipitation was extremely variable across the state. Several stations in the central to western part of the state received no precipitation or only a few hundredths. Six stations of those reported here received no precipitation. In contrast parts of eastern South Dakota received extremely heavy rainfall events. Two stations were over 4 inches for the week. Brookings received the most at 4.56 inches. Other stations not reported here were over 7 inches for the week.

Growing degree day accumulation is well ahead of average in the eastern row crop area. Accumulations run from several days to two weeks ahead of average continuing to push crop development.

SOIL CONDITION

Soil temperatures were in the 60s F statewide except for western to central part of the state. Oacoma had the highest soil temperature at 73° F. Bowdle and Caputa had the lowest at 61° F. Topsoil moisture rated at 63 percent adequate to surplus for last week, above the five-year average of 59 percent. Subsoil moisture was 67 percent adequate to surplus, below last year's rating of 69 percent but above the five-year average of 53 percent.

FIELD CROPS REPORT

Ninety-seven percent of corn is at or beyond dough stage, ahead of the five-year average of 93 percent. Seventy-nine percent is at the dent stage, above the 5 year-average of 65 percent. Corn is estimated at 9 percent mature, compared to 2 percent last year and 7 percent for the five-year average. Harvesting of corn silage continues to progress and is 39 percent complete compared to 6 percent last year. Soybeans dropping leaves are 30 percent, compared to last year's 31 percent and five-year average of 28 percent. Only 1 percent of the soybean crop is rated mature, with the five-year average at 2 percent. Sunflowers in the ray flowers dry stage are estimated at 75 percent. Sorghum is 89 percent coloring, above the five-year average of 69 percent. Producers have planted 12 percent of the winter wheat, which is equal to the five-year average.

LIVESTOCK, PASTURE, AND RANGE REPORT

Pastures are rated 63 percent in good to excellent condition, compared to the five-year average of 51 percent. Cattle are rated 92 percent in good to excellent condition, while sheep are rated 87 percent in good to excellent condition. Feed supplies remain in good shape and are rated at 95 percent adequate to surplus, up 12 points from the five-year average.

Feed and Water Supplies Comparison as of September 5, 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	0	5	1	1	13
Short	5	3	12	10	9	18
Adequate	81	86	74	75	83	64
Surplus	14	11	9	14	7	5

Soil Moisture Condition Comparison as of September 5, 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	12	12	3	8	8	3
Short	25	30	29	25	25	28
Adequate	58	54	66	59	55	68
Surplus	5	4	2	8	12	1

Crop and Livestock Conditions as of September 5, 2010

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	1	8	19	51	21
Soybeans	2	8	21	50	19
Sorghum	0	3	20	67	10
Sunflower	0	4	31	58	7
Alfalfa	2	4	26	60	8
Cattle	0	0	8	69	23
Sheep	0	0	13	46	41
Range & Pasture	3	11	23	48	15

Crop Progress as of September 5, 2010¹

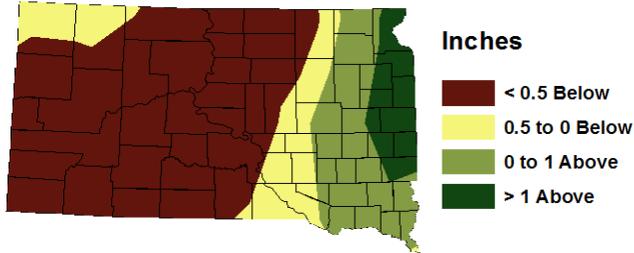
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Seeded	12	4	13	12
Corn				
Dough	97	90	83	93
Dent	79	53	38	65
Mature	9	2	2	7
Silage Harvested	39	7	6	26
Soybeans				
Dropping Leaves	30	17	31	28
Mature	1	0	1	2
Sorghum				
Coloring	89	63	48	69
Mature	11	1	7	8
Silage Harvested	21	2	15	31
Sunflower				
Ray Flowers Dry	75	35	44	62
Bracts Yellow	40	9	11	33
Alfalfa				
3rd Cutting	72	49	55	65

¹ Percents represent all acreage in or beyond each stage.

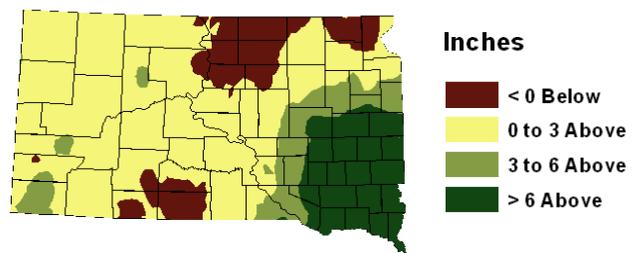
Average Soil Temperatures Week Ending September 5, 2010 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	62	Nisland	64
Beresford	67	Oacoma	73
Bowdle	61	Parkston	64
Brookings	63	Pierre	72
Caputa	61	Redfield	66
Cottonwood	72	South Shore	62

PAST 30 DAYS
Accumulated Precip Deviation from Average
From August 7 to September 5, 2010



GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to September 5, 2010



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, September 5, 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	62	-5	89	38	0.62	20.05	14.12	3.34	2.41	2,204	-79
Buffalo	62	-3	87	41	0.23	14.22	11.08	-0.24	0.38	1,993	-74
Dupree	65	-1	84	42	0.00	23.08	18.41	6.26	6.05	2,330	26
McIntosh	63	-3	82	40	0.00	16.05	9.89	0.61	-1.63	2,302	7
Newell	63	-4	89	38	0.22	15.32	11.35	0.24	0.36	2,090	-198
Timber Lake	65	-1	86	42	0.00	17.63	11.95	0.07	-0.65	2,325	31
North Central											
Aberdeen	66	0	90	39	0.61	26.38	17.91	7.30	3.89	2,469	161
Faulton	66	-1	93	41	0.50	21.62	11.36	2.77	-2.03	2,388	52
Mobridge	66	-1	94	46	0.01	17.05	10.13	-0.26	0.84	2,367	-11
Roscoe	64	1	96	46	0.03	21.40	11.89	2.43	-2.13	2,328	186
Northeast											
Britton	66	0	90	39	1.26	21.42	11.53	2.19	-2.74	2,416	129
Clear Lake	64	0	87	42	2.87	34.42	18.98	11.64	3.18	2,364	244
Sisseton	63	-2	92	44	1.38	27.71	13.50	7.22	-1.40	2,400	125
Watertown	65	2	89	42	2.66	27.23	16.65	6.87	1.86	2,353	309
Webster	66	2	89	50	1.76	25.51	14.88	4.97	-0.22	2,418	245
West Central											
Faith	65	-3	90	43	0.02	16.60	12.51	-0.19	0.43	2,316	-126
Milesville	66	-2	87	42	0.00	24.08	15.31	5.52	2.06	2,447	-36
Philip	67	-1	98	40	0.00	18.00	11.99	1.80	0.01	2,449	-9
Rapid City	64	-3	91	38	0.07	19.97	16.51	4.17	4.96	2,096	-89
Spearfish	64	-1	86	46	0.45	20.57	13.05	0.13	-0.93	2,252	70
Central											
Chamberlain	68	-1	93	45	0.12	26.03	17.83	5.15	2.70	2,647	202
Highmore	66	-1	92	43	0.12	19.81	11.58	1.53	-1.81	2,322	-31
Huron	68	1	91	46	1.21	30.80	21.70	11.36	7.86	2,664	225
Onida	67	0	96	40	0.08	21.59	13.76	2.86	0.61	2,416	68
Pierre	69	0	98	42	0.00	23.34	14.65	4.69	1.07	2,525	-38
East Central											
Brookings	64	0	87	44	4.56	37.80	28.05	17.02	12.34	2,414	280
Forestburg	67	-1	90	45	2.79	34.41	24.27	13.82	9.68	2,745	148
Madison	66	2	87	44	4.29	34.01	24.69	10.94	8.21	2,421	274
Mitchell	67	-1	91	48	0.46	35.51	25.41	14.20	10.17	2,824	314
Sioux Falls	67	0	88	43	1.53	38.86	27.58	16.26	11.62	2,608	197
Southwest											
Custer	58	-3	83	34	0.01	16.27	12.72	-2.86	-1.66	1,518	-114
Hot Springs	65	0	90	35	0.06	27.13	21.34	10.88	8.96	2,221	-70
Oelrichs	65	-2	96	37	0.12	21.15	15.01	4.93	3.05	2,240	-117
Porcupine	65	-1	96	35	0.18	22.19	12.43	5.82	0.34	2,220	-96
South Central											
Kennebec	67	-3	93	40	0.19	25.57	17.96	8.14	4.85	2,703	19
Mission	65	-2	96	40	0.23	20.92	13.56	2.19	-0.47	2,444	94
Murdo	69	1	99	46	0.01	22.83	14.27	4.11	1.10	2,606	144
Winner	69	-2	96	45	0.02	20.72	13.50	-2.52	-3.34	2,631	-82
Southeast											
Academy	68	1	94	46	1.11	22.90	15.72	1.75	0.43	2,550	145
Centerville	65	-3	85	41	0.08	25.30	15.93	2.30	6.61	2,572	46
Pickstown	68	-1	93	44	2.00	25.15	16.91	3.61	1.22	2,465	-139
Vermillion	68	-1	90	43	0.53	35.78	25.80	12.38	9.02	2,976	155
Yankton	67	-1	91	44	0.70	39.10	26.62	15.77	9.63	2,767	180

DATA AND MAP SOURCE: State Climate Office of South Dakota