

South Dakota Weekly Crop Weather Report

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National Agricultural Statistics Service
South Dakota Field Office
P.O. Box 5068
Sioux Falls, SD 57117-5068
Cooperating with:
SOUTH DAKOTA STATE UNIVERSITY
AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

Most areas of the state made good progress planting corn and soybeans this past week. There were 5.3 days suitable for field work this past week. Major activities last week included; planting of row crops, weed control, caring for livestock, calving and lambing.

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

WEATHER INFORMATION

South Dakota experienced a very quiet and slightly cooler than average week overall, according to the State Climate Office of South Dakota. Little precipitation fell and most of the state recorded below average temperatures. Several locations in the southwest and north central fell below freezing over the weekend.

Cooler than average conditions were predominant over nearly the whole state, except for a few stations in the far east. Average temperatures were in the 50's statewide, except for areas of the Black Hills. Most of these temperatures were 1-5° F below average for the week. High temperatures did reach the 90's in several locations. Mission had the high for the week at 94° F. Many stations fell below freezing over the weekend. Custer had the low at 24° F. The overall cooler conditions brought GDD totals since April 1 closer to average in the east. Much of the south and west have GDD accumulations more than 100 GDD ahead of average.

Little precipitation fell statewide allowing soils to dry after last week's rain. Sioux Falls had by far the most with 0.78 inch for the week. All other totals were around 0.25 inch or less. Twenty-two stations reported no precipitation for the week. The US Drought Monitor map released last week removed all D1 (Moderate Drought) conditions from the state except for Fall River County in the far southwest. Large areas of D0 (Abnormally Dry) were removed from the crop growing areas in the east. Note, changes were made to precipitation totals and deviations for Huron to correct an error.

SOIL CONDITION

Soil temperatures changed little across the state. Nisland had the low 4 inch soil temperature at 52° F; Oacoma was the warmest at 66° F. Topsoil moisture is rated at 94 percent in adequate to surplus, and 6 percent short. Subsoil moisture is rated at 86 percent adequate to surplus, 11 percent short and 3 percent very short.

FIELD CROPS REPORT

Winter wheat is at 76 percent boot and 14 percent headed. Spring wheat is 96 percent emerged, with 9 percent in the boot stage. Barley is at 95 percent emerged. Oats are reported at 90 percent emerged, with 3 percent in the boot stage. Corn is at 79 percent planted with 39 percent emerged. Soybeans are at 28 percent planted with 4 percent emerged. Sorghum is at 5 percent planted and sunflowers are at 1 percent planted.

LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle are rated 4 percent fair and 96 percent in good to excellent condition. Calving was at 91 percent complete. Cattle moved to pasture is rated at 64 percent complete. Sheep are rated 4 percent fair and 96 percent in good to excellent condition. Lambing was at 91 percent complete. Stock water supplies are 3 percent very short, 5 percent short and 92 percent adequate to surplus. Feed supplies are 2 percent very short, 1 percent short and 97 percent adequate to surplus. Range and pasture conditions are rated 75 percent good to excellent, 23 percent fair, 1 percent poor and 1 percent very poor.

Feed and Water Supplies Comparison as of May 13, 2012

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	2	1	3	3	0	4
Short	1	7	12	5	0	6
Adequate	90	86	79	87	72	70
Surplus	7	7	5	5	28	20

Soil Moisture Condition Comparison as of May 13, 2012

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	0	0	0	3	2	0
Short	6	7	2	11	13	3
Adequate	85	85	61	78	79	61
Surplus	9	8	37	8	6	36

Crop and Livestock Conditions as of May 13, 2012

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	2	25	58	15
Spring Wheat	0	1	17	64	18
Barley	0	0	6	92	2
Oats	0	0	9	75	16
Alfalfa	0	2	18	66	14
Cattle	0	0	4	75	21
Sheep	0	0	4	65	31
Range & Pasture	1	1	23	61	14

Crop Progress as of May 13, 2012 ¹

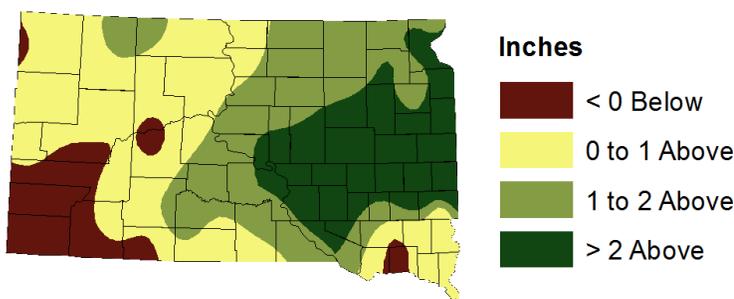
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Boot	76	37	18	20
Headed	14	4	0	0
Barley				
Emerged	95	78	8	32
Boot	0	0	0	0
Oats				
Seeded	98	93	75	83
Emerged	90	81	30	47
Boot	3	0	0	0
Spring Wheat				
Emerged	96	89	30	53
Boot	9	0	0	0
Corn				
Planted	79	57	36	43
Emerged	39	11	1	6
Soybeans				
Planted	28	9	4	7
Emerged	4	0	0	0
Sorghum				
Planted	5	2	2	5
Sunflower				
Planted	1	0	1	1

¹ Percents represent all acreage in or beyond each stage.

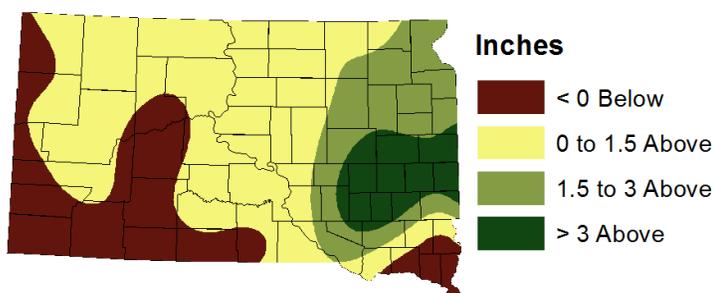
Average Soil Temperatures Week Ending May 13, 2012 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	57	Nisland	52
Beresford	57	Oacoma	66
Bowdle	53	Parkston	57
Brookings	56	Pierre	62
Caputa	53	Redfield	57
Cottonwood	61	South Shore	57

PAST 30 DAYS
Accumulated Precip Deviation from Average
From April 14 to May 13, 2012



GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to May 13, 2012



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, May 13, 2012

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	52	-3	81	35	0.00	6.70	3.50	-0.92	0.52	283	37
Buffalo	51	-1	80	29	0.00	4.89	2.55	-2.21	-0.17	305	74
Dupree	53	-2	82	34	0.03	5.82	3.06	-1.64	0.05	325	46
McIntosh	52	-4	87	38	0.00	5.36	3.06	-1.16	0.40	274	18
Newell	53	-1	79	32	0.00	4.96	2.84	-1.80	0.15	323	78
Timber Lake	56	0	86	35	0.00	6.52	3.61	-1.50	0.53	338	82
North Central											
Aberdeen	55	-1	81	30	0.09	7.41	4.30	-0.42	1.51	307	47
Faulkton	54	-2	80	32	0.06	6.40	3.72	-2.22	0.53	300	20
Mobridge	54	-1	86	33	0.00	6.69	3.45	-1.24	0.86	313	69
Roscoe	54	0	79	39	0.14	6.79	4.37	-1.38	1.14	283	66
Northeast											
Britton	56	0	81	32	0.05	7.09	3.61	-0.68	0.85	275	-1
Clear Lake	53	-2	78	37	0.12	10.45	6.00	-0.01	2.62	250	2
Sisseton	56	0	81	38	0.08	8.60	4.90	-0.55	2.03	269	4
Watertown	54	1	78	35	0.01	7.17	4.34	-1.28	1.48	259	22
Webster	56	1	79	41	0.21	8.22	5.30	-0.01	2.50	245	5
West Central											
Faith	53	-2	85	34	0.00	6.08	3.64	-2.14	0.62	336	67
Milesville	56	0	88	32	0.00	4.54	2.11	-3.65	-1.14	382	93
Philip	54	-2	93	30	0.05	4.14	2.55	-3.01	-0.40	390	101
Rapid City	51	-1	79	30	0.00	6.81	3.69	-0.38	0.72	344	86
Spearfish	53	0	79	32	0.00	7.90	3.99	-2.36	0.18	368	144
Central											
Chamberlain	55	0	83	36	0.02	10.61	3.96	1.13	0.27	369	64
Highmore	53	-2	80	32	0.00	8.15	4.55	-0.67	0.78	285	-10
Huron	56	0	82	35	0.01	12.29	6.48	3.20	3.03	351	78
Onida	52	-3	81	33	0.06	10.22	4.11	1.70	1.10	326	26
Pierre	53	-3	81	32	0.06	7.68	3.78	-0.54	0.60	340	44
Wessington Spr.	53	-5	82	37	0.00	11.38	6.22	1.04	2.06	315	4
East Central											
Brookings	53	-1	80	36	0.06	9.92	6.31	-0.09	2.62	287	70
Madison	54	-1	81	37	0.00	13.36	9.26	2.91	5.37	333	81
Mitchell	57	0	86	41	0.00	14.86	9.31	5.00	5.31	371	84
Sioux Falls	57	2	82	40	0.78	9.02	3.78	-1.54	-0.19	374	95
Southwest											
Custer	45	-3	77	24	0.00	5.34	2.50	-2.85	-0.85	196	32
Hot Springs	53	-1	86	27	0.00	5.23	2.46	-1.80	-0.72	445	132
Oelrichs	54	0	91	30	0.00	4.45	1.79	-2.98	-1.40	433	127
Porcupine	54	0	92	31	0.01	6.02	2.81	-1.26	-0.21	386	81
South Central											
Kennebec	56	-2	84	31	0.00	9.24	4.89	1.56	1.61	434	93
Mission	53	-2	94	32	0.00	7.24	3.29	-0.99	-0.25	360	104
Murdo	55	-1	88	36	0.01	7.14	4.46	-1.78	1.06	360	67
Winner	55	-3	90	35	0.01	8.23	3.55	-2.15	-0.57	390	42
Southeast											
Academy	53	-2	85	36	0.00	11.12	5.81	1.56	1.60	365	54
Centerville	58	1	86	36	0.26	7.35	2.85	-2.65	-0.86	368	76
Pickstown	57	-1	89	38	0.04	9.44	5.78	-0.67	1.49	436	126
Vermillion	59	-1	88	38	0.00	9.15	4.77	-1.70	0.50	515	137
Yankton	57	0	89	37	0.00	9.25	3.23	-1.07	-0.78	422	111

DATA AND MAP SOURCE: State Climate Office of South Dakota