

South Dakota Weekly Crop Weather Report

Released: May 3, 2010 -- 3:00 p.m. CT
For Week Ending May 2, 2010
SD-CW5919 Volume 59 Issue 19



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

AGRICULTURAL SUMMARY

Producers worked around the rain showers throughout the week, as there were 3.1 days suitable for fieldwork last week. Areas of the state are still coping with flooded fields and damaged roads. Major farm activities included planting spring small gains and corn, moving livestock to pasture, fixing winter damaged fence, and general care of livestock.

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

WEATHER INFORMATION

Temperatures have started to cool after much warmer than average conditions over much of the last two months, according to the State Climate Office of South Dakota. Most of March and April were well above average with several stations in the east having a top 5 warmest combined March and April. During the last week temperatures ranged from warmer than average in the northeast (3° F above average in Watertown) to colder than average in the northwest (8° F below average in Dupree). Porcupine had the highest daily temperature in the week at 82° F; Custer had the lowest temperature at 21° F.

Precipitation totals ranged greatly over the state. Some small storms dropped some heavier totals in the northeast. Areas of the southwest were the lowest with little precipitation. Roscoe reported the highest weekly total at 2.19 inches; Hot Springs had the lowest total with no recorded precipitation. Some areas of the northwest and the east to northeast are still well below average for the growing season. This situation has actually been a positive with the longer term precipitation surplus since last fall. Growing degree days are still running well ahead of average since April for all but the far southwest corner.

SOIL CONDITION

Soil temperatures at 4-inch depth were relatively slightly cooler at most locations with several places losing 1-2° F since last week. Beresford had the warmest soil temperature at 54° F; Nisland the lowest at 44° F. Topsoil moisture was rated at 21 percent in the surplus category, above the five-year average of 16 percent. Subsoil moisture was rated at 20 percent in the surplus category, also above the five-year average of 11 percent.

FIELD CROPS REPORT

Despite last week's cool temperatures, advancements in small grain plantings and emergence occurred along with a sizeable percentage of corn planted. Seventy-five percent of the spring wheat has been planted, equal to the of the five-year average and ahead of last year's estimate of 57 percent. Thirty-seven percent of the spring wheat is emerged. Percent of winter wheat that is in boot stage or beyond is estimated at 20 percent, ahead of last year's progress of 1 percent and the five-year average of 11 percent. Thirty-one percent of the corn is planted, ahead of last year's estimate of 10 percent and also ahead of the five-year average of 16 percent.

Feed and Water Supplies Comparison as of May 2, 2010

Rating	Feed Supplies			Stock Water Supplies		
	This Week	Last Year	5 Yr. Avg.	This Week	Last Year	5 Yr. Avg.
Very Short	2	4	6	0	0	10
Short	7	15	13	1	3	13
Adequate	85	76	75	73	81	67
Surplus	6	5	6	26	16	10

LIVESTOCK, PASTURE, AND RANGE REPORT

Calving and lambing progress continues to advance as weather remained mild for most of the state last week. Calf death losses were rated at 12 percent below normal, 81 percent normal, and 7 percent above normal. Calving is estimated to be 84 percent complete and 30 percent of cattle have been moved to pasture. Sheep and lamb deaths rated 14 percent below average, 84 percent average, and 2 percent above average. Lambing is estimated to be 85 percent complete. Feed supplies are rated at 91 percent adequate to surplus, up 10 percentage points from last year. Stock water supplies are also in good shape with 99 percent in the adequate to surplus categories, up 2 percentage points from last year. Range and pasture conditions are rated at 76 percent good to excellent, up 16 percentage points from last year, and 26 percentage points higher than the five-year average.

Soil Moisture Condition Comparison as of May 2, 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	0	0	0	0	0	0
Short	1	2	2	2	2	4
Adequate	78	69	79	78	71	81
Surplus	21	29	19	20	27	15

Crop and Livestock Conditions as of May 2, 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	2	15	65	18
Spring Wheat	0	1	20	69	10
Barley	0	0	8	89	3
Oats	0	1	12	78	9
Alfalfa	0	3	20	63	14
Cattle	1	2	12	73	12
Sheep	3	2	14	64	17
Range & Pasture	1	3	20	67	9

Crop Progress as of May 2, 2010¹

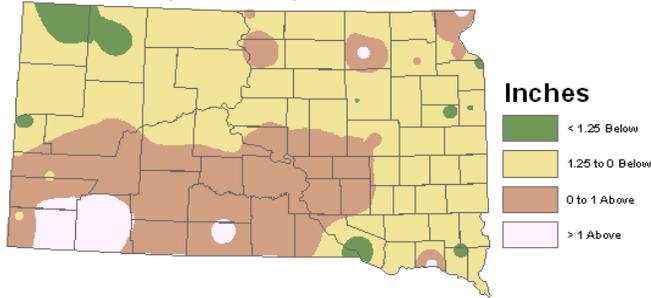
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Boot	20	2	1	11
Barley				
Seeded	52	44	40	56
Emerged	8	4	12	19
Oats				
Seeded	66	60	43	67
Emerged	28	19	14	29
Spring Wheat				
Seeded	75	65	57	75
Emerged	37	18	22	36
Corn				
Planted	31	13	10	16
Emerged	1	0	1	0
Soybeans				
Planted	3	0	0	1

¹ Percents represent all acreage in or beyond each stage.

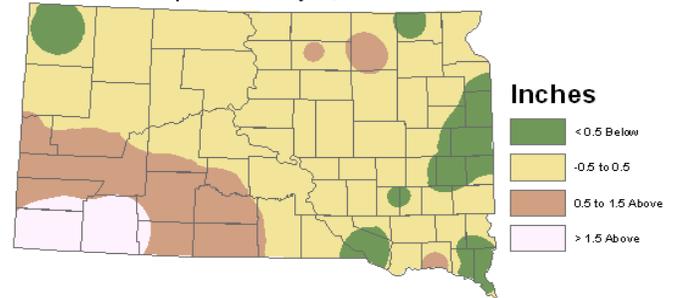
Average Soil Temperatures Week Ending May 2, 2010 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	46	Nisland	44
Beresford	54	Oacoma	52
Bowdle	48	Parkston	53
Brookings	51	Pierre	50
Caputa	45	Redfield	49
Cottonwood	50	South Shore	NA

GROWING SEASON
Accumulated Precip Deviation from Average
for April 3 to May 2, 2010



GROWING SEASON
Accumulated Precip Deviation from Average
for April 1 to May 2, 2010



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, May 2, 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		
<i>Degrees</i>	<i>Degrees</i>	<i>Degrees</i>	<i>Degrees</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>			
Northwest											
Bison	43	-7	68	26	0.27	7.02	1.80	0.09	-0.46	140	11
Buffalo	45	-3	71	27	0.23	4.81	1.17	-1.76	-0.87	140	7
Dupree	43	-8	70	27	0.49	6.80	2.13	0.34	0.28	174	40
McIntosh	45	-6	70	29	0.27	8.07	1.91	2.45	0.08	192	62
Newell	44	-5	72	23	0.25	5.95	1.95	0.00	0.14	155	28
Timber Lake	46	-5	66	30	0.30	7.45	1.78	0.39	-0.32	190	74
North Central											
Aberdeen	51	0	69	36	1.27	11.62	3.15	4.61	1.20	218	90
Faulkton	49	-2	71	35	0.66	10.14	1.67	3.33	-0.46	210	80
Mobridge	49	-2	65	35	1.02	8.57	2.25	2.36	-0.49	194	76
Roscoe	47	-2	69	33	2.19	12.35	2.84	5.18	0.62	208	113
Northeast											
Britton	51	0	70	33	0.34	10.80	0.91	4.00	-0.93	255	31
Clear Lake	51	2	68	38	0.27	16.42	1.01	6.96	-1.37	205	121
Sisseton	54	2	70	41	1.20	16.57	2.36	8.12	0.12	216	105
Watertown	52	3	68	36	1.20	12.46	1.88	4.80	-0.21	199	114
Webster	51	1	68	40	0.88	12.11	1.99	4.81	0.03	181	93
West Central											
Faith	46	-6	69	29	0.12	6.04	1.63	-0.51	-0.28	152	10
Milesville	48	-4	79	28	0.10	10.60	1.83	3.54	-0.28	200	39
Philip	49	-2	77	29	0.07	8.48	2.67	2.54	0.75	197	31
Rapid City	44	-5	79	22	0.03	6.50	3.04	0.29	1.05	144	24
Spearfish	47	-4	70	24	0.43	10.60	3.08	1.69	0.53	152	34
Central											
Chamberlain	51	0	71	38	0.26	11.46	2.97	3.04	0.48	222	76
Highmore	48	-3	68	34	0.82	9.23	2.31	1.20	-0.29	186	44
Huron	53	1	71	39	0.52	11.50	2.40	3.45	-0.05	237	96
Onida	49	-1	68	36	0.70	10.14	2.34	3.77	0.35	220	80
Pierre	49	-3	69	34	0.27	11.25	1.56	4.00	0.38	211	47
East Central											
Brookings	52	2	68	39	0.62	11.29	1.54	4.04	-0.64	218	121
Forestburg	54	0	72	38	0.81	12.58	2.44	3.74	-0.39	285	102
Madison	52	2	68	40	1.17	13.10	2.60	3.03	-0.67	232	131
Mitchell	54	1	73	37	0.68	12.34	2.28	3.23	-0.57	250	106
Sioux Falls	53	2	68	41	0.64	13.93	2.67	4.46	-0.18	243	94
Southwest											
Custer	39	-6	66	21	0.01	6.00	2.96	0.31	0.78	54	-11
Hot Springs	46	-4	74	23	0.00	10.27	4.48	4.28	2.36	168	-20
Oelrichs	46	-4	78	24	0.18	10.42	4.59	3.80	2.16	178	9
Porcupine	45	-5	82	24	0.19	13.91	4.15	7.58	2.10	180	24
South Central											
Kennebec	51	-3	71	36	0.28	11.35	2.00	3.70	0.41	247	41
Mission	46	-4	73	28	0.02	10.99	3.75	3.41	1.25	182	64
Murdo	49	-2	74	31	0.07	11.45	2.89	3.54	0.53	201	59
Winner	50	-4	72	36	0.42	10.14	3.19	0.87	0.47	208	6
Southeast											
Academy	50	-1	70	37	0.61	9.81	2.63	1.73	-0.27	223	89
Centerville	53	0	72	40	1.00	11.23	1.86	2.27	-0.78	271	119
Pickstown	52	-1	74	31	0.71	10.37	1.93	1.51	-1.06	245	81
Vermillion	57	2	73	40	0.99	12.09	2.11	2.50	-0.81	308	77
Yankton	54	1	73	28	0.84	16.36	3.88	7.24	1.16	296	125

DATA AND MAP SOURCE: State Climate Office of South Dakota