

South Dakota Weekly Crop Weather Report



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

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For Week Ending April 29, 2007
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AGRICULTURAL SUMMARY

Warm temperatures facilitated fieldwork last week, with 3.8 days suitable for fieldwork statewide. However, some areas received precipitation delaying fieldwork even more. Western areas in the state need rain for the grain already seeded; meanwhile, many eastern areas need fields to dry to finish small grain seeding. Several areas report the initiation of corn planting. Major farm activities included seeding small grains, fertilizing, pre-emergence spraying, calving, and lambing.

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

WEATHER INFORMATION

The past week was generally warm and dry across the state, according to the State Climate Office of South Dakota. The far eastern edge and far southern parts of the state were the precipitation beneficiaries during the week. The far eastern amounts were from a storm late last weekend which brought amounts near to above an inch. The southern edge of the state received their precipitation in an extended event in the middle of the week with totals in the Pickstown to Centerville area receiving well over an inch.

The precipitation free period was accompanied by much warmer temperatures throughout the state. Average temperatures were consistently 3 to 8° F above averages for this time of year throughout most of the state. While the lack of precipitation allowed for more of a warm-up, the dryness did not improve the over-all moisture deficits in northwestern parts of the state. While drought conditions did continue to improve, long-term deficits still exist. After the relatively wet March, April saw precipitation totals of 0.5 to 0.75 of an inch below average in places in the northwest. While these are not record-setting totals, they are still concerning to producers in the area.

SOIL CONDITION

Recovery of soil temperatures continues from the early April cold stretches. Soil temperatures reached near or above the 50° F level over the whole state. Topsoil moisture continues its high rating of 91 percent adequate to surplus, down 2 percentage points from the previous week. Meanwhile, the subsoil moisture rating increased 2 percentage points, to 71 percent adequate to surplus, below last year's 76 percent.

FIELD CROPS REPORT

Some rain continued to delay already late seeding. Where fields are ready, producers are working long hours to seed small grains. Warmer temperatures this week should facilitate emergence where seeding is complete. Small grains made noteworthy advances this week, yet progress remains behind normal. Winter wheat development now has 4 percent of the crop in the boot stage. Barley seeding more than doubled, to 33 percent complete, with 6 percent emerged. Oats seeding was 52 percent complete, with 18 percent emerged. Spring wheat advanced to 57 percent seeded, with 19 percent emerged. Many producers have started planting corn, now rated at 8 percent complete, behind the five-year average of 16 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

The harsh changes in temperatures accompanied by snow during April has resulted in reports of pneumonia and scours in small calves. However, the precipitation has improved stock water supplies which now rate 74 percent adequate to surplus, 2 percentage points higher than last week and 12 points higher than the five-year average. Feed supplies were reported to be 71 percent adequate to surplus, compared to 67 percent the previous week. Livestock conditions continue to hold steady. Range and pasture conditions improved, to 39

percent rated good to excellent, compared to 61 percent last year and 37 percent for the five-year average. Many producers are deciding between dwindling feed supplies and slow pasture growth. Cattle moved to pastures advanced 10 percentage points to 27 percent. Calving and lambing advanced to 81 and 85 percent, respectively. Calf deaths were reported to be 10 percent above average; while sheep and lamb deaths were only 1 percent above average.

Feed and Water Supplies Comparison as of April 29, 2007

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	9	2	10	11	8	17
Short	20	4	16	15	14	22
Adequate	69	86	68	64	71	59
Surplus	2	8	6	10	7	3

Soil Moisture Condition Comparison as of April 29, 2007

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	2	3	1	8	9	5
Short	7	4	7	21	22	19
Adequate	75	76	77	59	55	65
Surplus	16	17	14	12	14	11

Crop and Livestock Conditions as of April 29, 2007

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	2	7	26	56	9
Cattle	0	1	15	66	18
Sheep	0	1	12	63	24
Range & Pasture	6	17	38	32	7

Crop Progress as of April 29, 2007 ¹

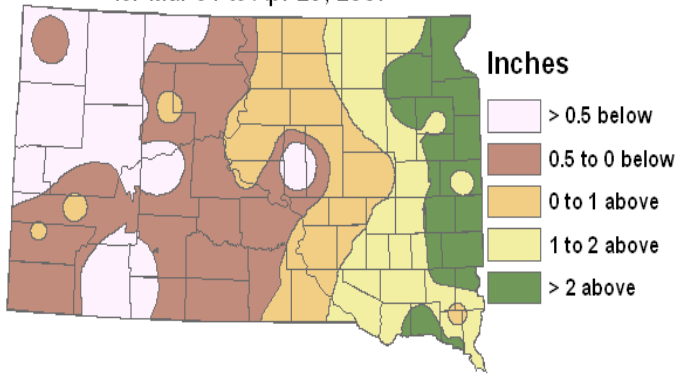
Item	This Week	Last Week	Last Year	5-Yr. Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Boot	4	0	14	7
Barley				
Seeded	33	15	50	65
Emerged	6	2	19	22
Oats				
Seeded	52	30	69	75
Emerged	18	7	29	33
Spring Wheat				
Seeded	57	30	80	84
Emerged	19	9	38	41
Corn				
Planted	8	1	10	16
Soybeans				
Planted	0	0	1	1

¹ Percents represent all acreage in or beyond each stage.

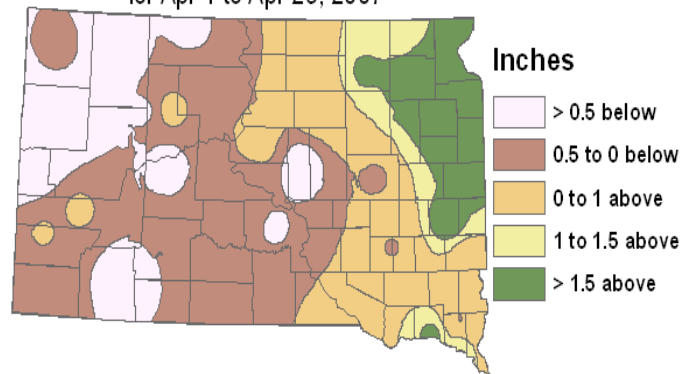
Soil Temperatures Week Ending April 29, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	52	Gettysburg	NA
Brookings	48	Nisland	51
Caputa	47	Pierre	56
Oacoma	58	Redfield	55
Cottonwood	53	South Shore	48

Accumulated Precip Departure from Normal
for Mar 31 to Apr 29, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Apr 29, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, April 29, 2007

District And Station	Temperatures Past Week				Precipitation					Growing Degree Days	
	Average	Departure From Normal	High	Low	Total			Departure From Normal		Total	Departure From Norm
					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	55	5	81	37	0.00	4.07	1.21	-2.63	-0.82	127	19
Buffalo	53	6	83	35	0.12	3.51	1.41	-2.24	-0.42	108	36
Dupree	56	6	81	34	0.08	5.35	2.12	-0.89	0.34	147	35
McIntosh	56	6	83	38	0.00	4.25	0.88	-1.28	-0.73	139	32
Newell	55	6	79	34	0.02	4.25	0.93	-1.46	-0.69	127	19
Timber Lake	55	6	80	36	0.04	5.92	1.43	-0.92	-0.45	141	38
North Central											
Aberdeen	56	5	80	37	0.00	7.67	3.41	0.85	1.65	145	41
Faulkton	57	7	80	37	0.00	7.38	2.46	-0.01	0.53	143	36
Mobridge	55	5	83	35	0.01	5.22	1.51	-0.60	-0.06	140	43
Roscoe	53	5	72	37	0.02	6.48	2.55	-0.44	0.58	121	44
Northeast											
Britton	57	7	78	40	0.00	7.19	2.87	0.58	1.22	143	33
Clear Lake	54	5	79	40	0.84	10.89	4.60	1.61	2.43	115	49
Sisseton	57	7	79	40	0.00	10.16	3.47	1.89	1.51	131	41
Watertown	54	6	77	36	0.23	9.12	3.81	1.66	1.92	122	55
Webster	57	8	78	42	0.00	10.96	4.23	3.75	2.46	121	52
West Central											
Faith	54	4	80	38	0.01	4.83	1.20	-1.68	-0.60	124	5
Milesville	56	4	81	31	0.27	5.18	1.08	-1.63	-0.78	161	24
Philip	54	3	81	33	0.23	5.27	1.35	-0.66	-0.36	159	17
Rapid City	52	4	81	33	0.83	4.21	1.99	-1.82	0.21	101	0
Spearfish	55	7	80	37	0.13	4.45	0.49	-4.37	-1.87	150	51
Central											
Chamberlain	56	6	80	37	0.30	8.47	2.09	0.42	-0.21	146	24
Highmore	55	5	82	35	0.00	5.33	1.18	-2.40	-1.31	142	23
Huron	55	5	81	36	0.00	7.17	1.92	-0.63	-0.28	155	38
Onida	56	7	82	36	0.00	7.74	2.40	0.31	0.55	144	27
Pierre	57	5	83	36	0.00	5.68	1.53	-1.33	-0.41	154	17
East Central											
Brookings	52	4	75	37	1.06	8.78	3.62	1.76	1.67	115	37
Forestburg	56	3	80	38	0.00	9.00	3.00	0.45	0.45	176	18
Madison	54	5	82	40	1.86	10.32	4.64	1.24	2.15	126	43
Mitchell	56	5	80	40	0.25	9.35	2.50	0.67	-0.11	154	34
Sioux Falls	55	5	77	39	0.92	12.85	2.85	3.66	0.30	153	29
Southwest											
Custer	45	1	72	30	0.70	5.20	2.10	-1.52	0.13	64	11
Hot Springs	53	3	85	29	0.73	4.07	1.43	-1.67	-0.44	175	12
Oelrichs	52	2	87	29	0.70	3.51	1.50	-2.62	-0.37	150	4
Porcupine	52	4	86	27	0.60	4.00	0.92	-2.10	-0.90	160	27
South Central											
Kennebec	57	5	84	35	0.12	7.56	1.30	1.16	-0.68	192	15
Mission	56	7	85	36	0.41	7.74	1.59	1.02	-0.43	167	69
Murdo	56	5	85	37	0.20	6.55	1.84	-1.16	-0.32	139	18
Winner	55	2	79	37	0.24	10.15	2.50	1.33	-0.02	143	-31
Southeast											
Armour	57	4	81	40	0.92	11.31	3.38	2.40	0.96	178	1
Centerville	56	5	88	40	1.11	8.78	2.34	0.11	-0.03	171	43
Pickstown	55	3	87	40	2.02	10.98	3.65	2.47	0.99	156	15
Vermillion	58	3	89	40	1.58	12.16	3.85	2.89	1.20	194	-6
Yankton	56	5	89	41	1.61	13.67	4.18	4.92	1.77	171	24

DATA AND MAP SOURCE: State Climate Office of South Dakota