

# NORTH DAKOTA CROP, LIVESTOCK & WEATHER REPORT



Cooperating With:  
NDSU EXTENSION SERVICE,  
FARM SERVICE AGENCY,  
ND AG WEATHER NETWORK (NDAWN)  
and  
UND AEROSPACE REGIONAL WEATHER  
INFORMATION CENTER

Released: April 2, 2007  
For Week Ending: April 1, 2007  
ND-CW1406

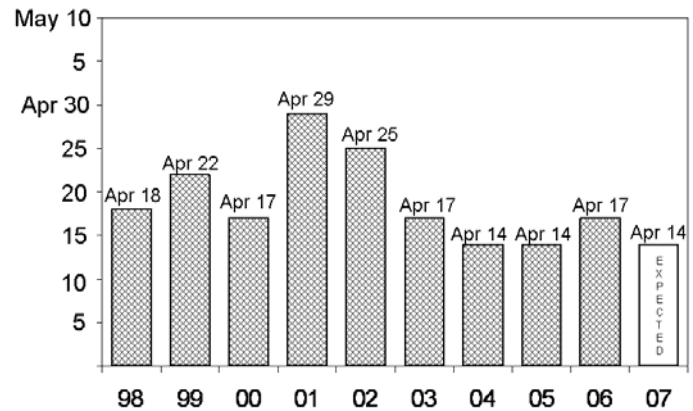
**General:** Recent precipitation was welcome because it helped replenish soil moisture supplies across the state, according to the USDA, National Agricultural Statistics Service, North Dakota Field Office. Producers prepared machinery and were lining up inputs for spring fieldwork wherever possible. Rain and snow has pushed back fieldwork across most of the state. Topsoil moisture supplies were rated 2 percent very short, 15 short, 70 adequate and 13 surplus, and subsoil moisture supplies were rated 8 percent very short, 36 short, 52 adequate and 4 surplus.

**Crops:** Producers in some western counties started planting, while the rest of the state was waiting for fields to dry out. The statewide average starting date for fieldwork is expected to be April 14, 3 days ahead of last year. The expected starting dates ranged from April 3 in the southwest district to April 22 in the north central district. The statewide five-year (2002-2006) average starting date is April 17.

**Livestock:** Wet weather made calving and lambing pens very muddy, which provided some difficulties. Calving and lambing were 54 and 66 percent complete, respectively, both ahead of last year's progress. Shearing gained ten percentage points to 84 percent complete. Cow conditions were rated 1 percent poor, 17 fair, 70 good and 12 excellent. Calf conditions were rated 1 percent poor, 16 fair, 72 good and 11 excellent. Sheep conditions were rated 2 percent poor, 22 fair, 66 good and 10 excellent. Lamb conditions were rated 2 percent poor, 18 fair, 70 good and 10 excellent.

Hay and forage supplies were rated 8 percent very short, 16 short, 72 adequate and 4 surplus, compared with last year's rating of 1 percent very short, 6 short, 83 adequate and 10 surplus. Grain and concentrate supplies were 3 percent very short, 11 short, 80 adequate and 6 surplus. Pastures and ranges were 19 percent growing, compared with 2 percent a year ago.

**Average Start Date for Fieldwork  
North Dakota, 1998-2007**



**Soil Temperatures:** Average soil temperatures on April 1, ranged from a low of 32 degrees F in Bowbells, Cavalier and Langdon to a high of 38 in Williston. These readings reflect daily average temperatures under 4 inches of bare soil recorded by the North Dakota Agricultural Weather Network (NDAWN).

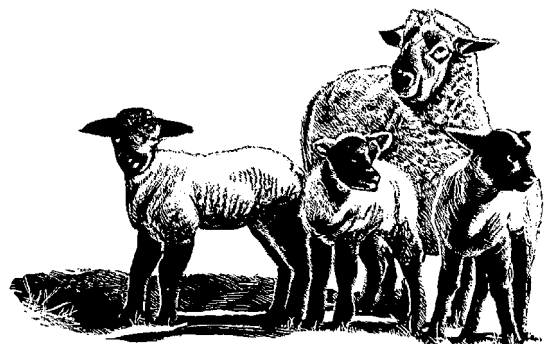
**Average Soil Temperatures\*, April 1, 2007**

Station	Temperature Degrees F	Station	Temperature Degrees F
<b>NORTHWEST</b>			
Bowbells	32	Carrington	35
Minot	34	Robinson	34
Williston	38	Streeter	34
<b>NORTH CENTRAL</b>			
Baker	34	Dazey	34
Bottineau	34	Fargo	35
Rolla	33	<b>SOUTHWEST</b>	
<b>NORTHEAST</b>			
Cavalier	32	Bowman	36
Grand Forks	33	Dickinson	33
Langdon	32	<b>SOUTH CENTRAL</b>	
<b>WEST CENTRAL</b>			
Turtle Lake	34	Linton	37
Watford City	37	<b>SOUTHEAST</b>	
		Oakes	37
		Wyndmere	35

\*Thermometers located 4 inches under bare soil.  
Source: NDAWN, Department of Soil Science, NDSU.

**Livestock Condition  
North Dakota, Week Ending April 1, 2007**

Livestock	Very Poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
Cows	0	1	17	70	12
Calves	0	1	16	72	11
Sheep	0	2	22	66	10
Lambs	0	2	18	70	10



~ Compiled and Published by ~

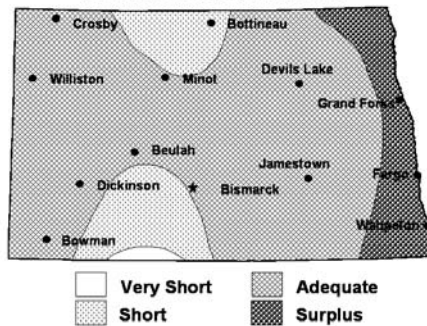
OFFICIAL BUSINESS  
 Penalty for Private Use, \$300

ADDRESS SERVICE REQUESTED

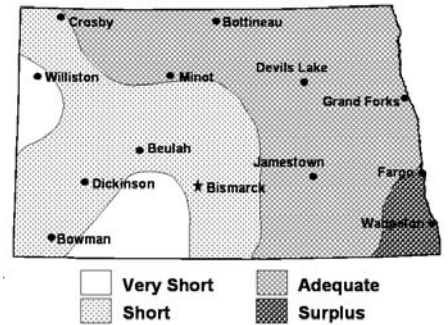
**Soil Moisture Supplies**  
**North Dakota, April 1, 2007 with Comparisons**

Item	Week Ending	
	April 1, 2007	April 2, 2006
	Percent	Percent
<b>Topsoil</b>		
Very Short	2	2
Short	15	9
Adequate	70	70
Surplus	13	19
<b>Subsoil</b>		
Very Short	8	3
Short	36	14
Adequate	52	71
Surplus	4	12

**Topsoil Moisture Supplies**  
 North Dakota, April 1, 2007



**Subsoil Moisture Supplies**  
 North Dakota, April 1, 2007



**Weather:** This last week saw a roller coaster of temperatures and seasons for the state. Temperatures started off well above normal at the beginning of last week. A large storm system moved into the state from the south on Tuesday and Wednesday. The eastern half of the state saw varying amounts of precipitation. The extreme western half of the state narrowly missed out on blizzard conditions. The system stalled out over the Great Lakes and sent several waves of energy across the eastern half of the state through Sunday. Colder temperatures allowed precipitation to remain as snow on Saturday night and Sunday.

**Outlook, April 2-8:** The storm system that stalled last week has moved on. For this week, the next storm system is moving in from the south with much colder air over the state. The south and southwest parts of the state will see some snow Monday afternoon. The rest of the state should see snow beginning this week. Snow fall accumulations should be heaviest along the I-94 corridor. Temperatures will be in the upper 20s for the northeast and low 30s for the rest of the state. Conditions will improve starting Tuesday afternoon which means warming temperatures towards the end of the week and weekend.

**Temperature & Precipitation: Districts and Stations**  
 North Dakota, Week ending April 1, 2007

Stations by District	Temperature Past Week		Seasonal Precipitation Beginning April 1 <sup>1/</sup>		
	High	Low	Past Week	Total	Depart Normal <sup>2/</sup>
	(Degrees F)	(Degrees F)	(Inches)	(Inches)	(Inches)
(1) Bowbells	53	21			
Williston	58	25			
Mohall	56	21			
Minot	57	23			
(2) Baker	55	26			
Bottineau	54	17			
Rugby	55	26			
(3) Cando	52	26			
Cavalier	49	24			
Forest River	52	30			
Grand Forks	52	30			
Langdon	49	25			
St. Thomas	50	29			
(4) Hazen	58	25			
Turtle Lake	57	26			
Watford City	58	24			
(5) Carrington	56	29			
Harvey	57	28			
Jamestown	58	27			
Robinson	57	29			
Streeter	58	30			
(6) Dazey	53	30			
Fargo	59	28			
Hillsboro	57	30			
(7) Beach	59	17			
Bowman	60	19			
Dickinson	59	23			
Hettinger	60	25			
(8) Mandan	60	29			
Linton	60	31			
(9) Edgeley	56	30			
Oakes	58	30			
Wyndmere	57	32			

**Temperature & Precipitation: Districts and Stations**  
 North Dakota, Week ending April 1, 2007

District Averages	Average Temperature		Seasonal Precipitation Beginning April 1 <sup>1/</sup>		
	Past Week	Depart Normal <sup>2/</sup>	Past Week	Total	Depart Normal <sup>2/</sup>
	(Degrees F)	(Degrees F)	(Inches)	(Inches)	(Inches)
Northwest(1)	39	6			
N. Central(2)	38	8			
Northeast (3)	39	7			
W. Central(4)	41	6			
Central (5)	42	9			
E. Central(6)	42	10			
Southwest(7)	40	5			
S. Central(8)	45	10			
Southeast(9)	43	10			

<sup>1/</sup> Precipitation amounts may vary due to an inaccurate snowfall melt. <sup>2/</sup> Normal is the 1971-2000 average. NA=Not available. Weather data collected from NDAWN stations and compiled by UND Aerospace Regional Weather Information Center.

<sup>1/</sup> Precipitation amounts may vary due to an inaccurate snowfall melt. <sup>2/</sup> Normal is the 1971-2000 average. NA=Not Available. Weather data collected from NDAWN stations and compiled by UND Aerospace Regional Weather Information Center.