

# NORTH DAKOTA CROP, LIVESTOCK & WEATHER REPORT



USDA, NASS  
North Dakota  
Field Office

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

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For Week Ending: April 8, 2007  
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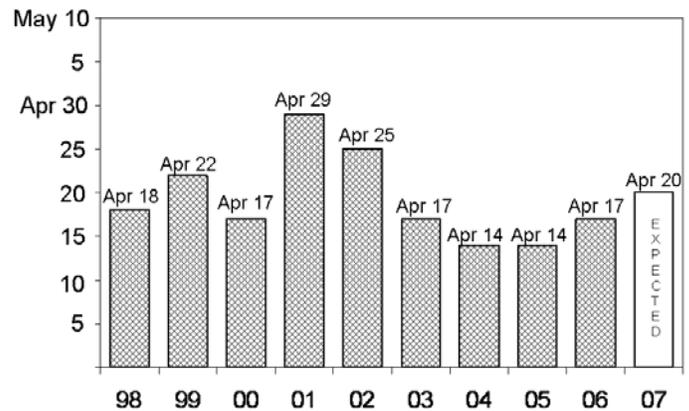
**General:** Double digit, below average temperatures stalled the start of the planting season for much the state, according to the USDA, National Agricultural Statistics Service, North Dakota Field Office. While producers are waiting for warmer temperatures to thaw out the soil, they continue to prepare machinery and line up inputs for spring fieldwork. Cold weather has helped to control flooding in the Red River Valley. Topsoil moisture supplies were rated 1 percent very short, 15 short, 75 adequate and 9 surplus, compared with the five-year (2002-2006) average of 6 percent very short, 22 short, 63 adequate and 9 surplus.

**Crops:** Cold temperatures have halted most field operations. The statewide average starting date for fieldwork is expected to be delayed 6 days until April 20, 3 days later than last year. The expected starting dates ranged from April 9 in the southwest district to April 27 in the northeast district. The statewide average starting date is April 17. Reporters noted that single digit temperatures could injure some winter wheat.

**Livestock:** Below average temperatures provided some difficulties for livestock producers. Calving and lambing were 63 and 71 percent complete, respectively. Shearing moved ahead one percentage point to 85 percent complete.

Hay and forage supplies were rated 8 percent very short, 20 short, 68 adequate and 4 surplus, compared with the average of 2 percent very short, 11 short, 80 adequate and 7 surplus. Grain and concentrate supplies were 2 percent very short, 10 short, 82 adequate and 6 surplus. Cold weather has increased dormancy in pastures and ranges from the previous week. Pastures and ranges were rated 15 percent growing, compared with 19 percent growing last week.

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



**Soil Temperatures:** Average soil temperatures on April 8, ranged from a low of 29 degrees F in Baker, Cavalier and Fargo to a high of 34 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 8, 2007**

Station	Temperature	Station	Temperature
	Degrees F		Degrees F
<b>NORTHWEST</b>		<b>CENTRAL</b>	
Bowbells	31	Carrington	31
Minot	32	Robinson	31
Williston	34	Streeter	30
<b>NORTH CENTRAL</b>		<b>EAST CENTRAL</b>	
Baker	29	Dazey	32
Bottineau	30	Fargo	29
Rolla	30	<b>SOUTHWEST</b>	
<b>NORTHEAST</b>		Bowman	32
Cavalier	29	Dickinson	32
Grand Forks	32	<b>SOUTH CENTRAL</b>	
Langdon	32	Linton	32
<b>WEST CENTRAL</b>		<b>SOUTHEAST</b>	
Turtle Lake	30	Oakes	32
Watford City	32	Wyndmere	32

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



**Livestock Condition  
North Dakota, Week Ending April 8, 2007**

Livestock	Very Poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
Cows	0	2	18	70	10
Calves	0	1	19	70	10
Sheep	0	2	21	67	10
Lambs	0	2	18	69	11

~ Compiled and Published by ~

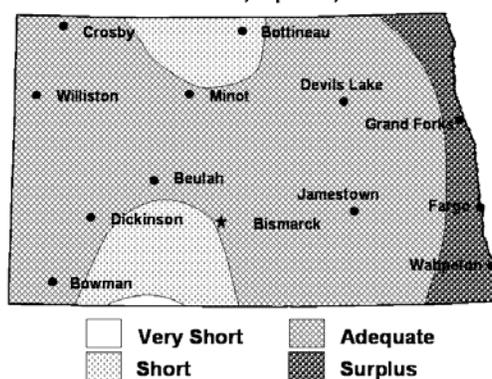
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**Soil Moisture Supplies  
 North Dakota, April 8, 2007 with Comparisons**

Date	Week Ending			2002-2006 Avg
	April 8, 2007	April 1, 2007	April 8, 2006	
	Percent	Percent	Percent	Percent
<b>Topsoil</b>				
Very Short	1	2	3	6
Short	15	15	10	22
Adequate	75	70	71	63
Surplus	9	13	16	9
<b>Subsoil</b>				
Very Short	6	8	3	9
Short	36	36	14	24
Adequate	54	52	70	62
Surplus	4	4	13	5

**Topsoil Moisture Supplies  
 North Dakota, April 8, 2007**



**Weather:** A large winter storm spread across the southern two-thirds of the state with snowfall ranging from 6 to 9 inches earlier in the week. Temperatures during the past week struggled into the 20s for the entire state with temperatures 13 to 18 degrees below average. The unsettled weather continued in the eastern half of the state with strong winds. Temperatures remained well below normal for this time of the year.

**Outlook, April 9-15:** Cold and snowy weather will continue for the first half of the week. A storm system in the western half of the state will bring a chance of snow. Snow should spread east on Monday morning and affect most of the state on Tuesday. Snow totals should be heaviest across the southern half of the state. Temperatures will remain cool, but should slowly warm into the low 40s by the end of the week. Another storm system from the Central Plains will be watched closely as it appears the storm should stay south of the state. The good news with this system is warmer air should push northward into North Dakota with a chance of 50 degrees by Sunday.

**Temperature & Precipitation: Districts and Stations  
 North Dakota, Week ending April 8, 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)	22	-13	0.00	0.01	-0.34
N. Central(2)	21	-13	0.00	0.00	-0.33
Northeast(3)	21	-14	0.00	0.32	0.05
W. Central(4)	20	-18	0.00	0.00	-0.40
Central (5)	22	-15	0.00	0.02	-0.31
E. Central(6)	23	-13	0.00	0.32	-0.08
Southwest(7)	21	-16	0.06	0.06	-0.32
S. Central(8)	21	-16	0.01	0.01	-0.35
Southeast(9)	23	-14	0.00	0.23	-0.26

<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.

**Temperature & Precipitation: Districts and Stations  
 North Dakota, Week ending April 8, 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	37	6	0.00	0.00	-0.31
Williston	38	11	0.00	0.00	-0.30
Mohall	38	6	0.00	0.00	-0.32
Minot	36	10	0.00	0.03	-0.41
(2) Baker	35	8	0.00	0.01	-0.34
Bottineau	38	2	0.00	0.00	-0.32
Rugby	36	8	0.00	0.00	-0.34
(3) Cando	35	7	0.00	0.03	-0.17
Cavalier	31	9	0.00	0.45	0.15
Forest River	34	12	0.00	0.38	0.08
Grand Forks	35	12	0.00	0.35	0.05
Langdon	31	8	0.00	0.37	0.15
St. Thomas	33	12	0.00	0.32	0.02
(4) Hazen	37	-3	0.00	0.00	-0.47
Turtle Lake	36	4	0.00	0.00	-0.40
Watford City	37	9	0.00	0.00	-0.34
(5) Carrington	36	9	0.00	0.02	-0.36
Harvey	36	10	0.00	0.00	-0.20
Jamestown	37	8	0.00	0.06	-0.34
Robinson	36	8	0.00	0.00	-0.35
Streeter	36	5	0.00	0.02	-0.32
(6) Dazey	36	8	0.00	0.14	-0.24
Fargo	37	10	0.00	0.47	0.07
Hillsboro	36	11	0.00	0.36	-0.07
(7) Beach	36	7	0.10	0.10	-0.27
Bowman	36	5	0.07	0.07	-0.25
Dickinson	37	7	0.00	0.00	-0.46
Hettinger	38	8	0.08	0.08	-0.29
(8) Mandan	37	6	0.00	0.00	-0.36
Linton	37	5	0.02	0.02	-0.34
(9) Edgeley	39	8	0.00	0.10	-0.37
Oakes	38	7	0.00	0.13	-0.37
Wyndmere	39	7	0.00	0.47	-0.03

<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.