

The Weather Data Page

Tables, maps, graphs . . .

Data available:

- Air and soil temperature
- Rainfall
- Wind speed and direction
- Relative humidity and dew point
- Solar radiation
- Growing Degree Days
- Wind chill
- Potential evapotranspiration
- Application data
- Normals

Summarized by:

- Hour, day, week, month, year
- Compared to normals

Formatted in:

- Tables
 - English or metric units
 - Column heading definitions
 - Data export
 - Data plots
- Maps
 - Data plotted for all stations
 - Any time period
 - See spatial patterns



This Web site is made possible by a grant from the National Weather Service. Special thanks to all NDAWN cooperators and funding organizations. Without your help, NDAWN operation would be impossible.

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www.ndawn.ndsu.nodak.edu

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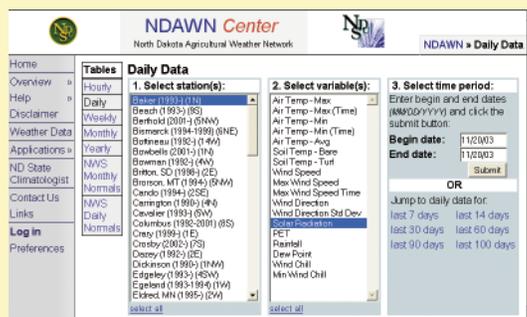


North Dakota Agricultural Weather Network

NDAWN Web Site @ Your Fingertips



NDSU
North Dakota State University
Fargo, North Dakota



ndawn.ndsu.nodak.edu

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The Home Page

ndawn.ndsu.nodak.edu

The Applications Page

Crop related applications for production management decisions

NDAWN crop specific models use daily weather data to estimate development of crops, insects or diseases. Models provide information needed for management decisions on your farm.

- Choose your crop, insect, or disease
- Nearby NDAWN station(s), and
- Your planting date(s)

Applications are listed by crop. The information is presented in tables, maps and graphs.

maps help you make fungicide application decisions.

- Scab, tan spot, septoria and rust in wheat and other small grains
- Late blight in potato
- Cercospora in sugarbeet
- Sclerotinia in canola

Crop insect development

Insect Degree Days (DD) are accumulated daily from March 1 to estimate wheat midge emergence. DD's for other insects are available and emergence information will be added in the future.

Crop water use

Daily and weekly crop water use estimates are based on air temperature and solar radiation. Data are used for irrigation scheduling decisions, saving time and water.

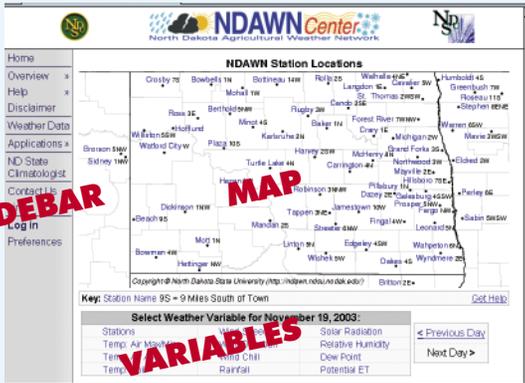
- Potato, sugarbeet
- Corn, sunflower
- Dry beans, soybean
- Wheat, barley
- Alfalfa, turf grass

Crop growth estimation and GDD

Estimated growth stages are determined from accumulated Growing Degree Days (GDD) calculated for canola, corn, wheat, sugarbeet and sunflower. Potato P-Days are also calculated. Tracking growth stage allows you to anticipate when crops will be susceptible to disease or insect infestation.

Crop disease forecasting

Models use NDAWN hourly and daily weather data to determine how favorable weather conditions have been for disease development. Accumulated infection severity values and risk



MAP — click a location:

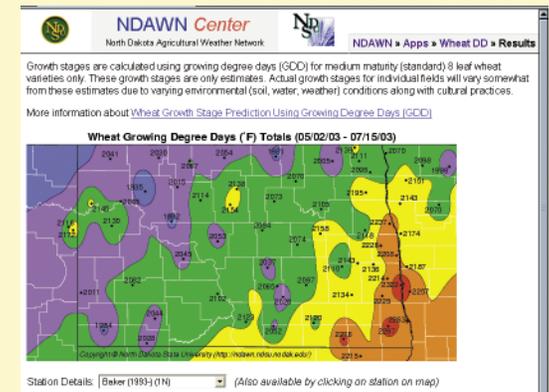
- 70 NDAWN station locations
- Station information, pictures, etc.
- Weather data tables

VARIABLES — network data at a glance:

- Eleven variables available
- Ex: Rainfall across the network
- Browse one day at a time
- Metric or English units

SIDEBAR — drop-down menus provide quick access to:

- Overview and Network information
- On-line HELP
- Weather data — tables or maps
- Applications
- N.D. State Climatologist
- Historical climatic information
- Maps, tables, graphs, etc.
- Links to related sites



Making yesterday's weather work for you . . . TODAY!