

# CROPCHAT

ISU Extension and Outreach information and resources for northeast Iowa

July 20, 2017



**Terry Basol**  
Field Agronomist  
ISU Extension  
[tlbasol@iastate.edu](mailto:tlbasol@iastate.edu)

Borlaug Center  
Nashua, IA 50658  
Office:  
641-435-4864  
Cell: 641-426-6801

Find us at [www.extension.iastate.edu](http://www.extension.iastate.edu)  

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To view this and previous issues of the Crop Chat newsletter, please go to <http://www.extension.iastate.edu/blackhawk/news/crop-chat-terry-basol>.

## NE Iowa Corn and Soybean Update

Corn that was planted the earliest here in NE Iowa has now tasseled and is beginning R1 or silking. Later planted corn is close and on the verge of tasseling. In regards to foliar diseases, there has been very low disease pressure observed so far. Some common rust can be found, but continues to be at very low thresholds. Soybeans continue to progress and many fields can be found in the R2 or full flowering stage. Septoria Brown Spot has been observed in NE Iowa soybean fields in the lower canopy. Continue to monitor, as research has shown a fungicide application is more beneficial if the disease moves up into the middle of the canopy. We were able to get some precipitation last week here at the NE IA Research and Demonstration Farm. According to the Iowa Mesonet, we received 2.1 inches of rain from July 9<sup>th</sup> through July 15<sup>th</sup>.

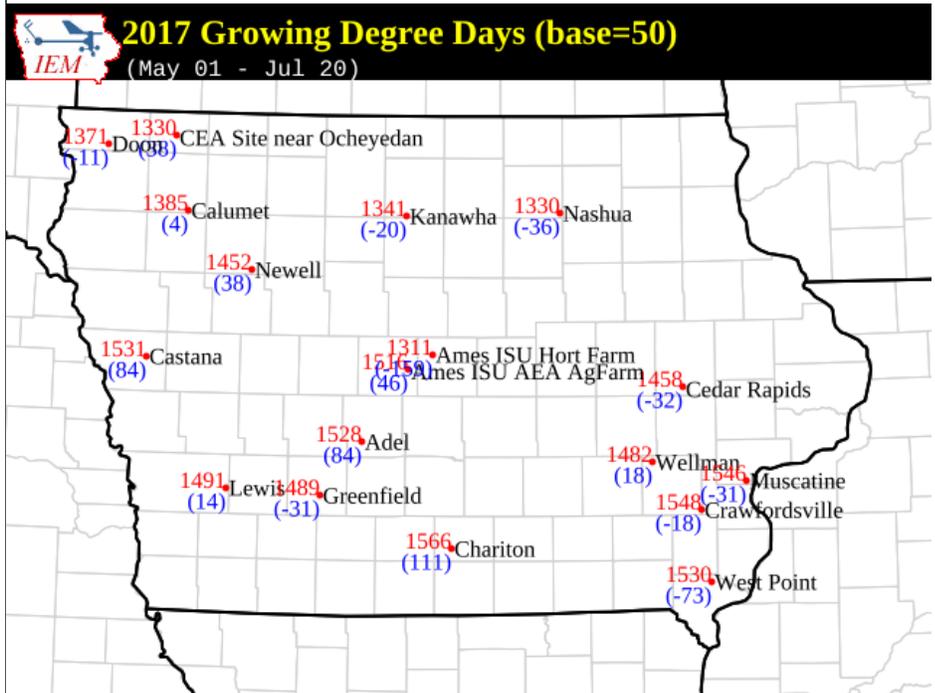


Figure 1. Growing Degree Days from May 1st to July 20, 2017. Source: Iowa Mesonet

The Growing Degree Days (GDD's) for corn show that we have accumulated 1330 Growing Degree Days at the research farm here in Nashua from May 1st to July 20th. By looking at the chart above, it shows growing degree days to be about 36 units behind the long term average. **For more information, go to: <http://mesonet.agron.iastate.edu/GIS/apps/agclimate/gspot.phtml>.** For planting dates different than May 1st, you can use the drop-down box and select a different starting date to fine tune it.

## IOWA STATE UNIVERSITY Extension and Outreach

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Iowa State University Extension programs are available to all without regard to race, color, age, religion, national origin, sexual orientation, gender identity, genetic information, sex, marital status, disability, or status as a U.S. veteran. Inquiries can be directed to the Director of Equal Opportunity and Compliance, 3280 Beardshear Hall, (515) 294-7612.

Cooperative Extension Service, Iowa State University of Science and Technology, and the United States Department of Agriculture

Useful weather information like soil moisture, precipitation, soil temps, stress degree days, freeze dates, USDA charts & maps of Crop Pro-gress, USDA state crop progress & condition, relative humidity, daily high and low temperatures, wind speed and direction, can also be found at these links on the mesonet:

**IEM Ag Weather/Climate Information** - <http://mesonet.agron.iastate.edu/agweather/>

**ISU Soil Moisture Network** - <http://mesonet.agron.iastate.edu/agclimate/#tmpf>

## Foliar Fungicides for Corn and Soybeans

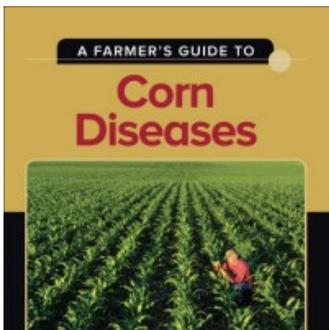
Timing for application of foliar fungicides is right around the corner for corn and soybeans. For corn, it begins at the VT stage, or when all the branches of the tassel are fully visible, extended outward, and not held in by the upper leaves. For soybeans, the normal application timing of a fungicide begins at R3. Soybeans are considered to be in the R3 stage when there is a pod formed (5 mm or 3/16th of an inch long) at one of the four uppermost nodes on the main stem with a fully developed trifoliolate leaf node. Scouting for foliar diseases and monitoring their severity is imperative to determine if fungicide applications are warranted to protect crop yield. Here are some factors to consider as you're making fungicide decisions. [Further Considerations for Foliar Fungicides on Corn and Soybean](#)

## Corn & Soybean Fungicide Efficacy Tables

The Corn Disease Working Group (CDWG), which is a group of corn pathologists from across the United States, have developed a corn fungicide efficacy table to help inform everyone of current fungicides and how well they control foliar diseases. To obtain your own copy of the publication (pub. BP-160-W) from Purdue Extension, please click here: [Fungicide Efficacy for Control of Corn Diseases](#) Please remember to always read and follow the manufacturers label and directions for the products.

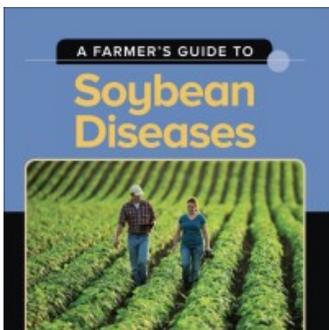
The North Central Regional Committee on Soybean Diseases and the Regional Committee for Soybean Rust Pathology (NCERA -212 and NCERA-208) have developed a soybean fungicide efficacy table, similar to the corn efficacy table above. To obtain your own copy of the publication (pub. BP-161-W) from Purdue Extension, please click here: [Fungicide Efficacy for Control of Soybean Diseases](#)

## Other Fungicide Resources



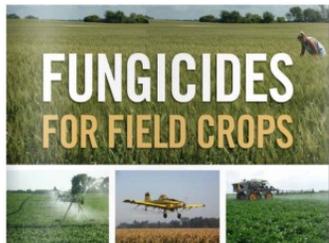
A Farmer's Guide to Corn Diseases provides an overview of the corn diseases that currently occur in the United States and Canada, with an emphasis on diagnosing diseases in the field. Information for each disease includes symptoms and signs, conditions that favor disease, similar looking diseases and disorders, and a review of basic management options. The book also contains a diagnostic key and disease distribution maps. Published by APS Press, A Farmer's Guide to Corn Diseases was developed by Iowa State University in partnership with several other universities.

<https://store.extension.iastate.edu/Product/A-Farmers-Guide-to-Corn-Diseases>



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<https://store.extension.iastate.edu/Product/A-Farmers-Guide-to-Soybean-Diseases>



This publication contains information on a wide variety of topics related to fungicides and reviews fungicide use for many different field crops grown in the United States. Published by APS Press, Fungicides for Field Crops was developed by Iowa State University in partnership with several other universities.

<https://store.extension.iastate.edu/Product/Fungicides-for-Field-Crops>

## Off-Target Movement of Dicamba

In the last couple of weeks, either by conversation (one-on-one or phone), driving by fields, or field visits, I have been aware of some applications in which dicamba has moved off-target and affected non-RR2 Xtend Soybeans®. The following articles by Aaron Hager, University of Illinois extension weed specialist and Bob Hartzler, ISU extension weed specialist, provide a good basis for the current affairs regarding the situation.

1. [The Dicamba Dilemma in Illinois: Facts and Speculations](#) — July 18th
2. [Thoughts on the Dicamba Dilemma](#) — July 13th
3. [Off-target Dicamba Injury: The Iowa Experience](#) — July 11th

## Upcoming Events

### Managing Palmer Amaranth in Conservation Plantings

August 3

Field Extension Education Laboratory (FEEL)

1928 240th Street, Boone, Iowa | [map link](#)

This workshop is open to anyone that wants to learn more about managing Palmer amaranth in conservation plantings, particularly NRCS personnel, landowners, crop consultants, and agronomists.

This workshop qualifies for 3.0 pest management credits for Certified Crop Advisers, subject to board approval.

For more information and registration, [Click Here](#)

### Managing Potholes and Matching Conservation Efforts to Farm Goals

August 3, Charles City, Iowa

Wendy Johnson and Johnny Rafkin will host a Practical Farmers of Iowa field day on Thursday, Aug. 3, from 10 a.m. to 1 p.m., near Charles City (2038 March Ave., a few miles west of town), where they will explore how to manage farm potholes and discuss other conservation measures they use on their farm. The event – “Managing Potholes and Matching Conservation Efforts to Farm Goals” – is free to attend and will include lunch. **Guests are asked to RSVP** for the meal to Debra Boekholder, [debra@practicalfarmers.org](mailto:debra@practicalfarmers.org) or (515) 232-5661, by Monday, July 31.

## Farmland LEASING Meetings

During July and August, leasing meetings will be held throughout Iowa at various locations. Each workshop attendee will receive a reference booklet of useful materials for farm leasing arrangements. Workshops will last 2 1/2 - 3 hours and will be led by Iowa State University Extension and Outreach farm management specialists. The 2017 meetings will focus on issues impacting rental rates and the next year in Iowa agriculture.

For more information, [Click Here](#)

### Crop Disease Clinic

August 16

Field Extension Education Laboratory (FEEL)

1928 240th Street, Boone, Iowa | [map link](#)

Improve knowledge of corn and soybean disease identification and biology

Understand the principles of Integrated Pest Management and research-based recommendations for Iowa corn and soybean production

Provide hands-on experiences with identification of common corn and soybean diseases

For more information and registration, [Click Here](#)

### Manure Distribution and Calibration field days

Various locations and times

Iowa State University Extension and Outreach has scheduled four field days to help manure applicators better understand manure distribution, calibration and the value of manure. For more information, click here: [Manure](#)

### Garden Demonstration Days

August 2nd at 6:30 p.m., Kanawha — Northern Research and Demonstration Farm

August 5th at 4 p.m., Nashua — NE Res. & Dem. Farm. For more information for both events, [Click Here](#)

