

Open Crop Manager

open-crop.vmlhost.psu.edu

A free-to-use crop data platform
for securely storing field
information and developing farmer
tools



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Open Crop Manager

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Securely store your field management details,
including yield outcomes

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32F New Field Edit Delete

The larger field near the Living Filter pond. To access, go through the American Ale House parking lot and past the trailhead.

Farm Centre Co. PSU Ag Ops

State Pennsylvania

Country United States of America



Users + Add

Username	Name	Email	Role
----------	------	-------	------

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[All my production surveys](#)

Production Survey

Please read the following information to complete the Production Survey as easily as possible:

- One Production Survey is needed for **each field** in the given year.
- The Production Survey may be **saved** and completed later. The red asterisk (*) means an answer is required.
- You will need information about **harvest, seed choice, field characteristics, management practices, products applied, and relevant stressors**. Approximate values are acceptable.
- Please contact Miranda DePriest (mmnd20@psu.edu) for questions, support, or feedback. This survey is also available as a table if you'd like to provide information for multiple fields.

Basic survey information	
Year *	<input type="text"/>
Field *	<input type="text"/>
Your name (if you are not the owner/manager)	<input type="text"/>
Your email (if you are not the owner/manager)	<input type="text"/>
Field owner *	<input type="text"/>



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Collaborate with coworkers with varying levels of access



Users [+ Add](#)

Username	Name	Email	Role	
mirandadepriest	Miranda DePriest	mirandadepriest@gmail.com	Manager	Change Role Remove
CarsonKarras	Carson	cjk6209@psu.edu	Scout	Change Role Remove
TylerMcFeaters	Tyler McFeaters	tsm31@psu.edu	Manager	Change Role Remove

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Create field
boundary files and
share directions
with collaborators


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Create Field

Name (Comma is not allowed)

Description

Geometry



Back Save



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Collect data while
in the field

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[All my scouting reports](#)

Date and Time

08/09/2024 02:38 PM

Field

Centre Co. PSU Ag Ops - 32F

Location

Update Location

Location has been updated!

Latitude 40.7896064

Longitude -77.8469376

Accuracy 1003.38 meters

Growth Stage



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Record growth stage
and location-specific
stressors


Growth Stage
R2

Stressor Type
Disease

Stressor
Cercospora leaf blight

Severity
2

Photo
Choose File 1.jpg



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Get diagnostic aid with
unknown diseases and nutrient
deficiencies



Cercospora leaf blight

Severity

2

Photo

Choose File 1.jpg

Get Diagnostic Aid

Notes

Photo for Notes

Choose File No file chosen



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Get diagnostic aid

Diagnostic aid tool

Do any of these overall symptoms apply to your plant? You will be able to select symptoms specific to a certain plant part later.

Select ALL that apply:

- ☐ Damping off
- ☐ Defoliation
- ☐ Delayed maturity
- ☐ Injury
- ☒ Plant death
- ☐ Poor emergence
- ☐ Stunted growth
- ☒ Wilting
- ☐ Yellowing
- ☐ Unsure/None of these symptoms apply to my issue

Prev

Next

Diagnostic aid tool

What parts of the plant are affected by the unknown issue?

Select ALL that apply:

- ☐ Buds/flowers
- ☒ Leaves
- ☐ Pods/seeds
- ☐ Roots
- ☒ Stems/petioles

Prev

Next



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Continue collecting information about the unknown disease or nutrient deficiency according to our logic tree

Diagnostic aid tool ×

Do any of these overall symptoms apply to your plant? You will be able to select symptoms specific to a certain plant part later.

Select ALL that apply:

- ☐ Damping off
- ☐ Defoliation
- ☐ Delayed maturity
- ☐ Injury
- ☒ Plant death
- ☐ Poor emergence
- ☐ Stunted growth
- ☒ Wilting
- ☐ Yellowing
- ☐ Unsure/None of these symptoms apply to my issue

Prev Next

Diagnostic aid tool ×

What parts of the plant are affected by the unknown issue?

Select ALL that apply:

- ☐ Buds/flowers
- ☒ Leaves
- ☐ Pods/seeds
- ☐ Roots
- ☒ Stems/petioles

Prev Next



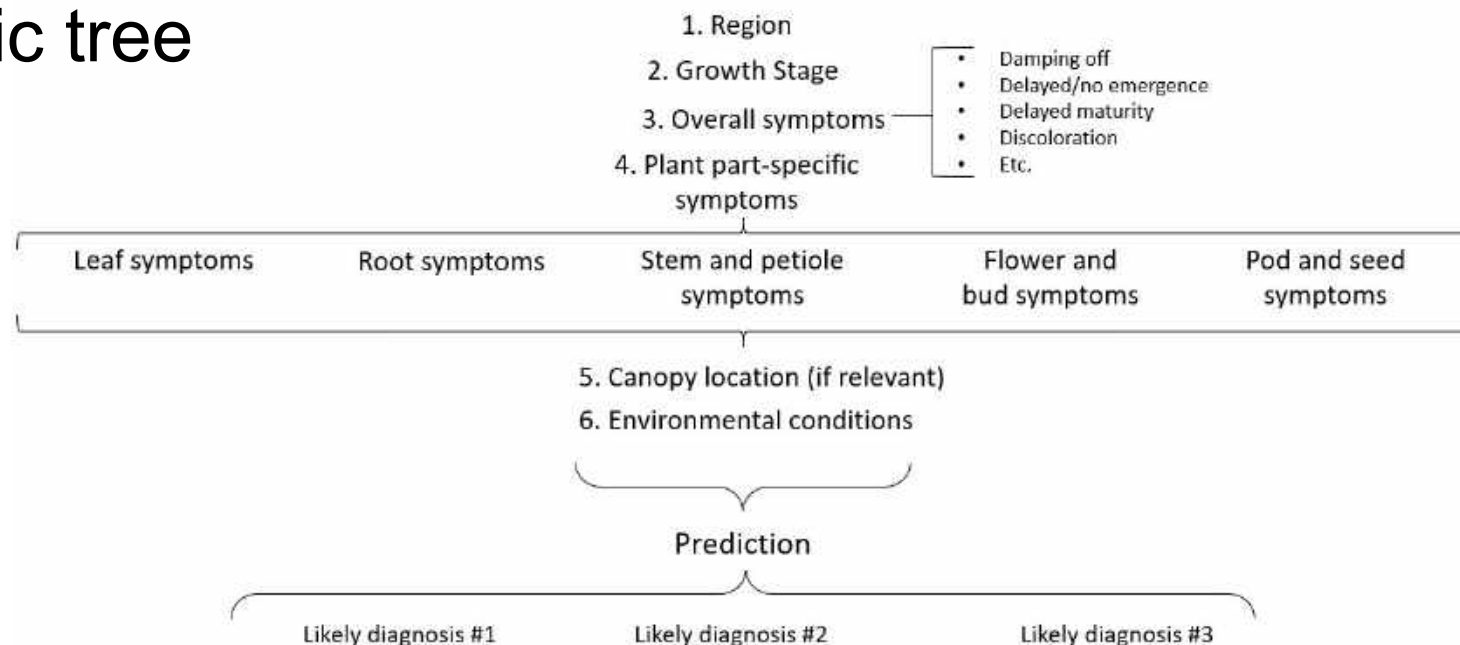
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Continue collecting information about the unknown disease or nutrient deficiency according to our logic tree



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Get information about the most likely diagnoses

Diagnostic aid tool



Possible diagnoses

1. Frogeye leafspot

Frogeye leafspot is often identified by the distinct lesions impacting the leaves of the upper canopy. These lesions are tan/grey, thin, and have darker red/brown margins. In more mature lesions, the leaf at the center of the lesion may have fallen out, resulting in a tattered appearance. Occasionally, lesions may impact stems, where they are narrow and reddish-brown to grey in color. Affected seeds may show grey blotches and have cracked seed coats.

[More information](#)

Commonly confused with

- Aerial web blight
- Phyllosticta leaf spot
- Herbicide injury
- Fungicide injury



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Save the information recorded
in the diagnostic aid tool for
later diagnosis

- Tobacco ringspot
- Tobacco streak
- Bacterial blight

☒ Save the diagnostic

Prev

Return to scouting report

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Record any notes or images
you or your collaborators may
find helpful


[+ Add Stressor:](#) [Get Diagnostic Aid](#)

Notes

This is where I found the unknown disease.

Photo for Notes [Clear](#)

Choose File 3.jpg



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Record the plant population count or the presence of any beneficial species

Plant Population/Acre

Beneficial Insects

☐ Assassin bug

☐ Big-eyed bug

☐ Braconid wasps

☐ Brown lacewing

☐ Bumble bee

☐ Carabid ground beetle

☐ Damsel bug

☐ Firefly

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View all collected field information. Get collaborator help diagnosing unknown diseases.

Scouting Reports

9/13/2023, 10:39:00 PM

[Edit](#) [Delete](#)

Latitude	40.839932
Longitude	-77.849166
Growth Stage:	R7
Note:	
Photo:	
Plant Population/Acre:	None
Beneficial Insects:	
Diagnostics:	None

Stressors

Type	Stressor	Rating	Photo
Disease	Anthraxnose stem blight	6	
Pest	White-tailed deer	2	

9/1/2023, 12:09:00 PM



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Users retain
ownership of all data
submitted and can
revoke data sharing at
any time

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Data Policy

Please read the following data policy carefully before proceeding. By agreeing to this policy, you acknowledge that you have understood and accepted the terms outlined below:

Scouting Survey Data Access:
When entering data into the Scouting Survey report, please note that the information you provide will be visible to the Grower/Manager of the respective field. They will have access to the data you submit, including any observations, notes, or assessments made during the scouting process.

Agreement:
I have read and understood the above data policy and agree to abide by its terms. I acknowledge that the scouting data I enter into the survey report may be accessed and viewed by the Grower/Manager of the field I am associated with.

☐ I Agree

Submit

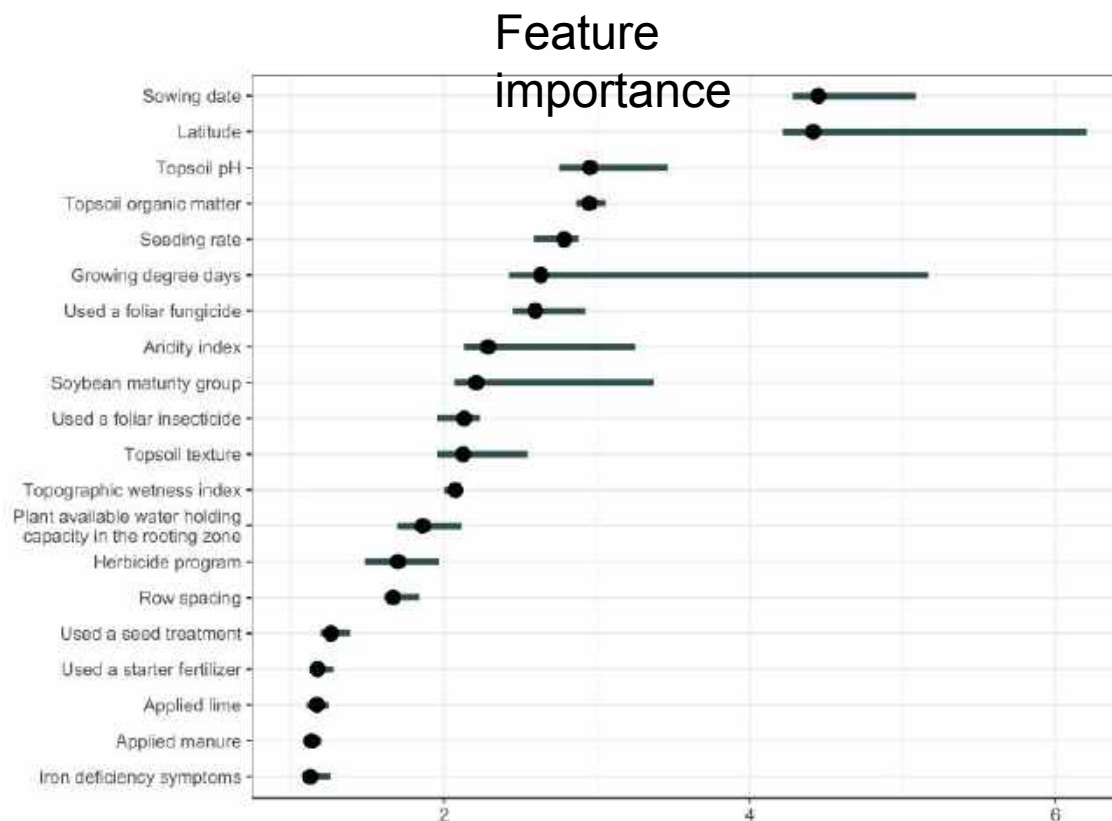


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data to help us
create
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for you

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Stressor occurrence alerts



Satellite imagery
indicates a change in
Field 32F near
40.826158, -77.897492

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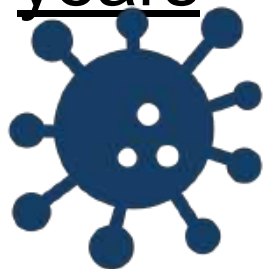


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Trends from previous
years



Frogeye leafspot was found in
Field 32F on this day in 2022.
Current environmental
conditions may support its
emergence now.



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Decision support



Planting dates between May 7th and May 14th are projected to provide the best outcome in your region.



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Projection tools



Estimate yield outcome by
planting date, spraying/no
spray, etc.



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Interactive field



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Open Crop Manager currently supports soybean, and is adding corn, wheat, and barley.

Mobile app coming soon!

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