Open Crop Manager

open-crop.vmhost.psu.edu

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

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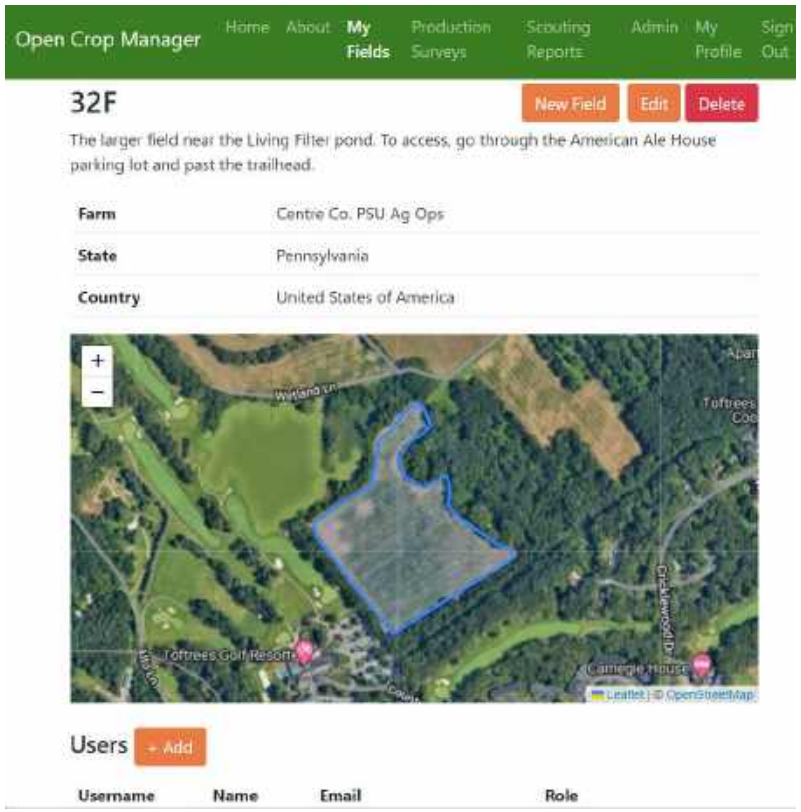
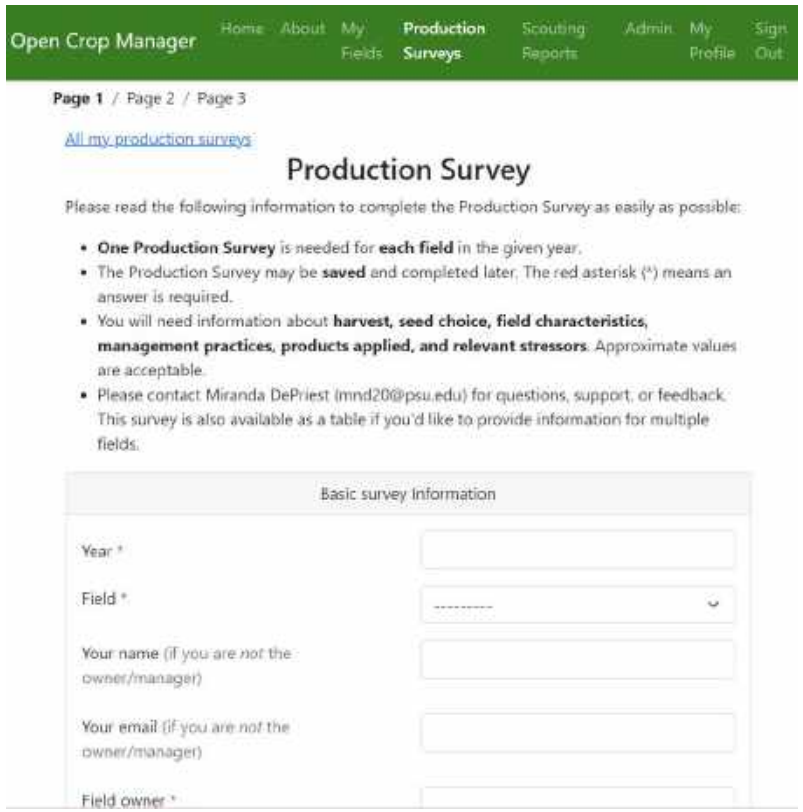
Securely store your field management details, including yield outcomes





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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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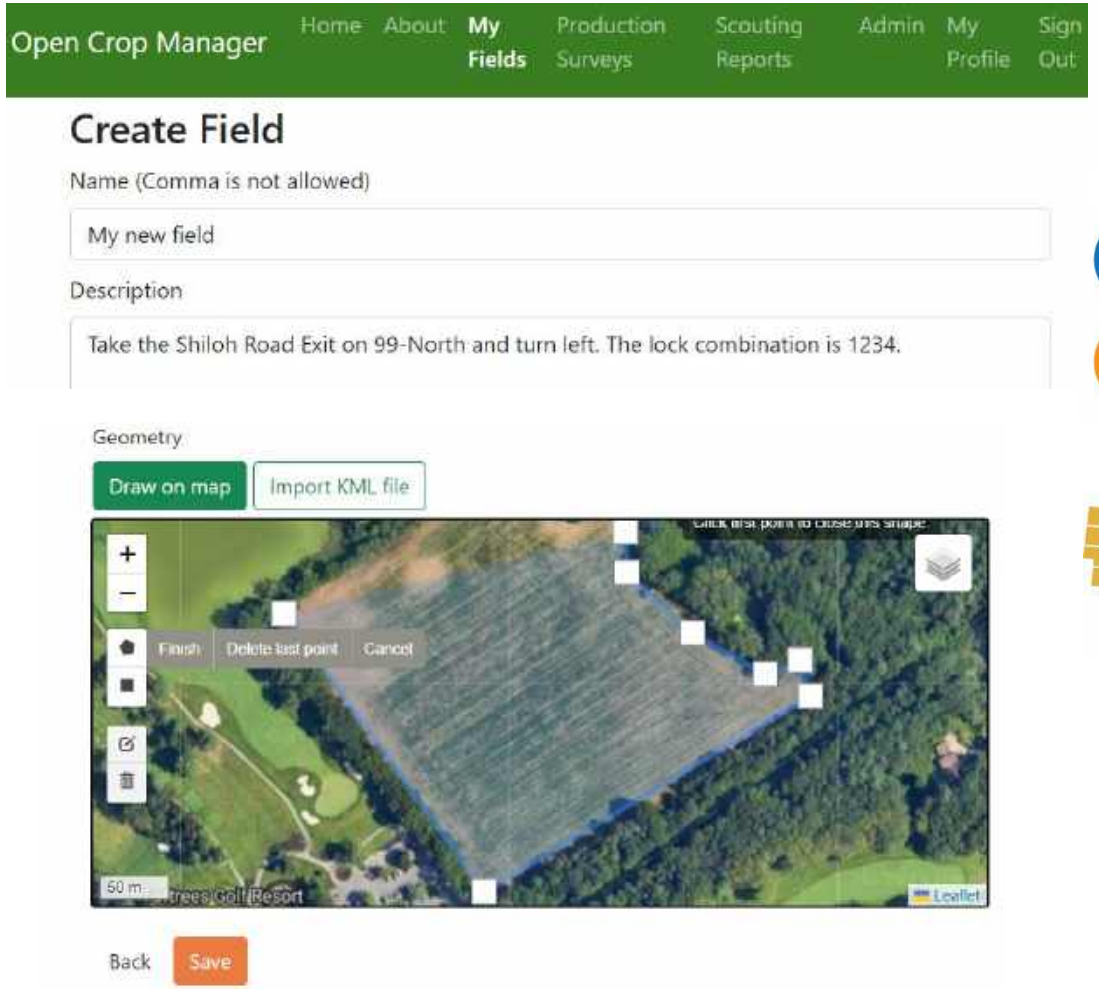
Create field boundary files and share directions with collaborators



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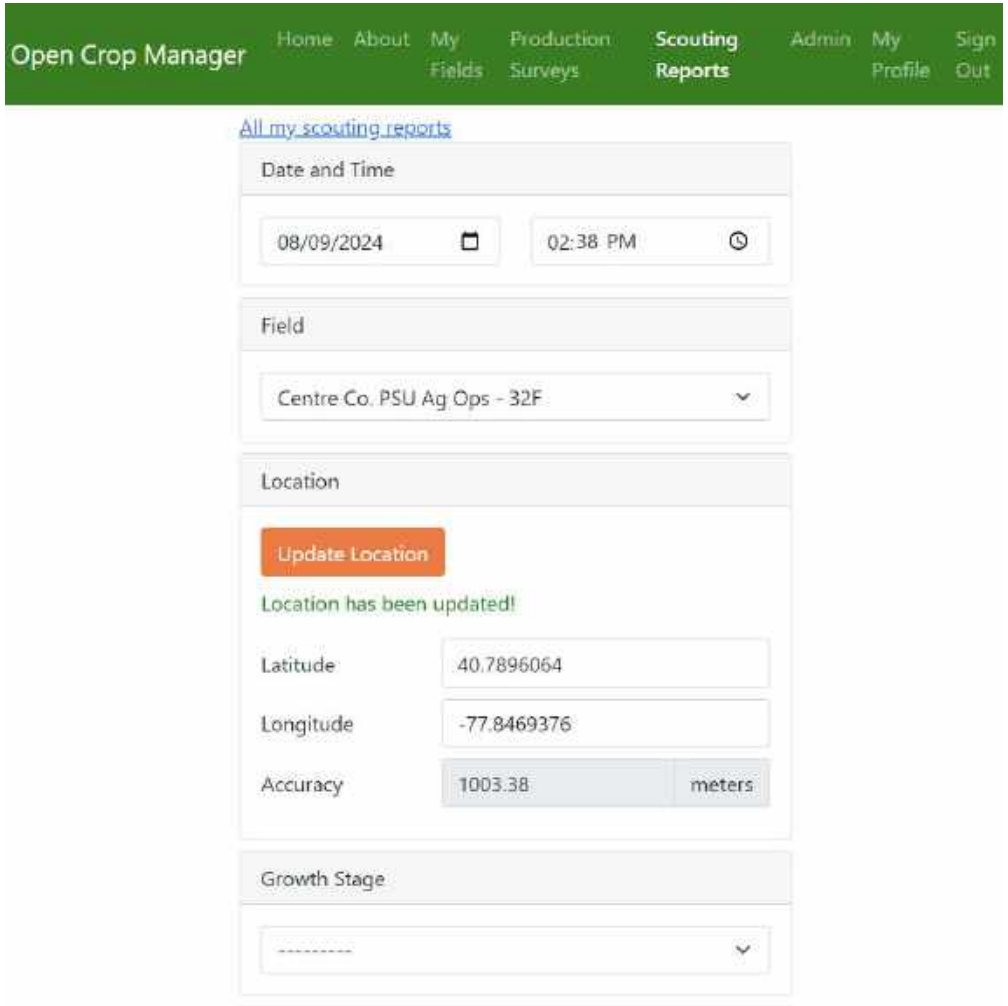
Collect data while in the field



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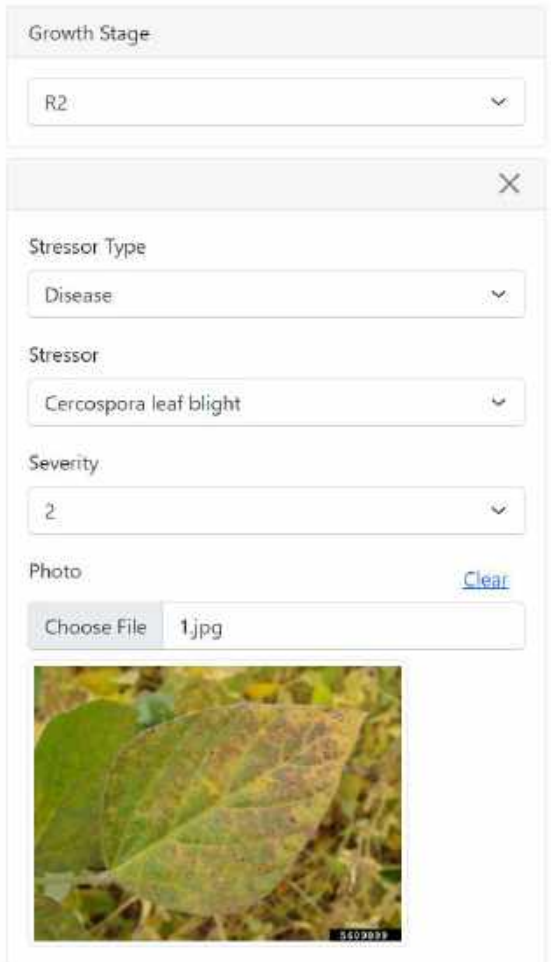
Record growth stage and location-specific stressors



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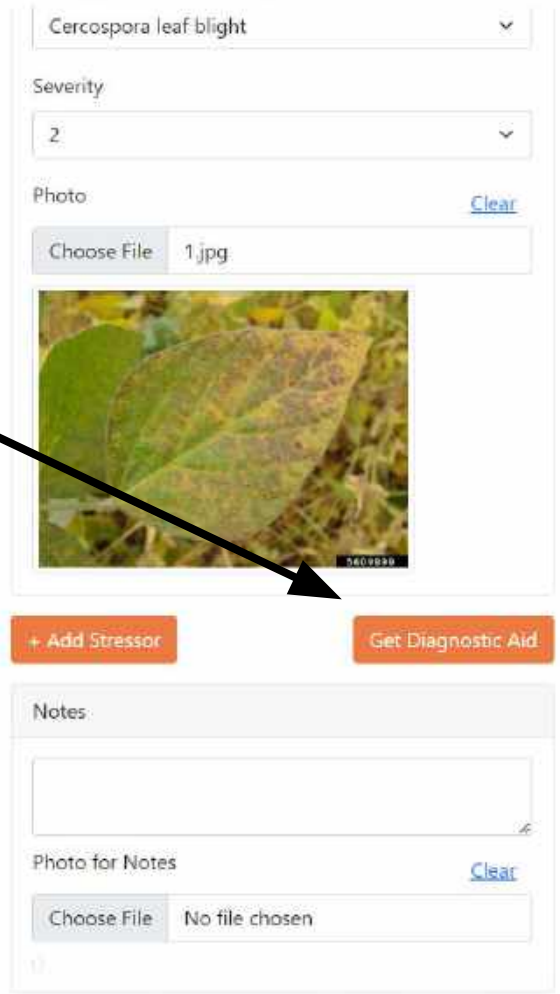
Get diagnostic aid with unknown diseases and nutrient deficiencies



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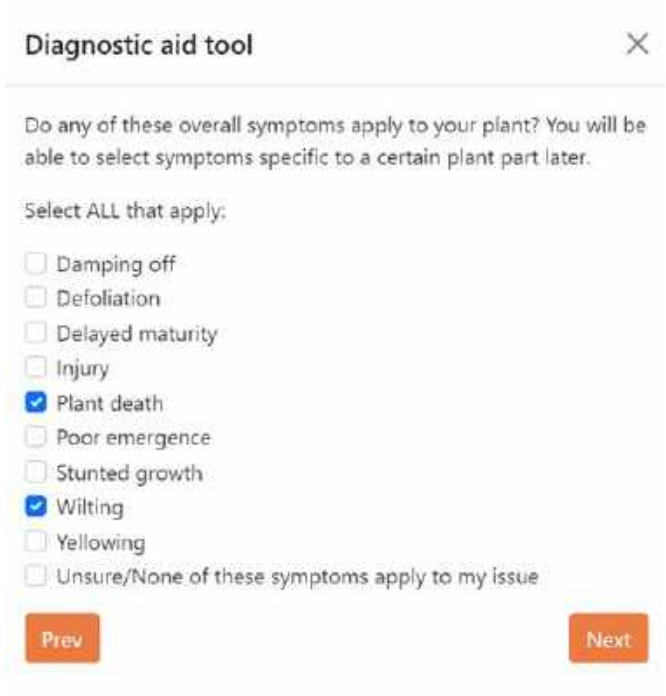
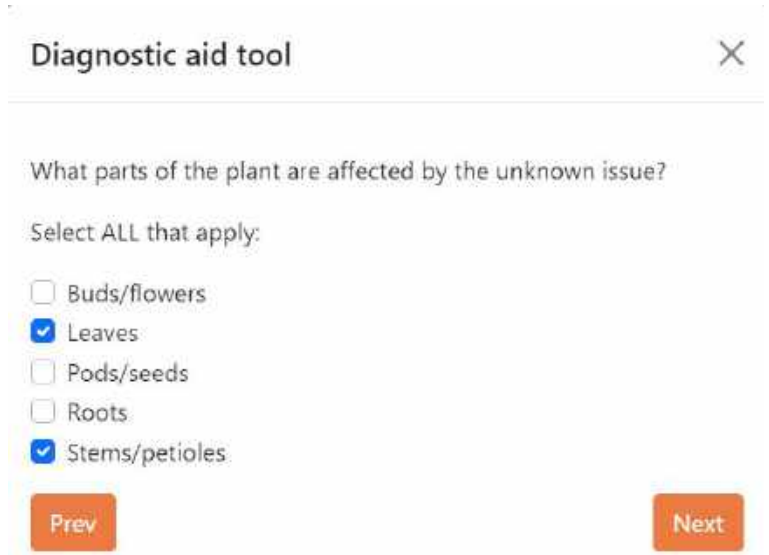
Get diagnostic aid





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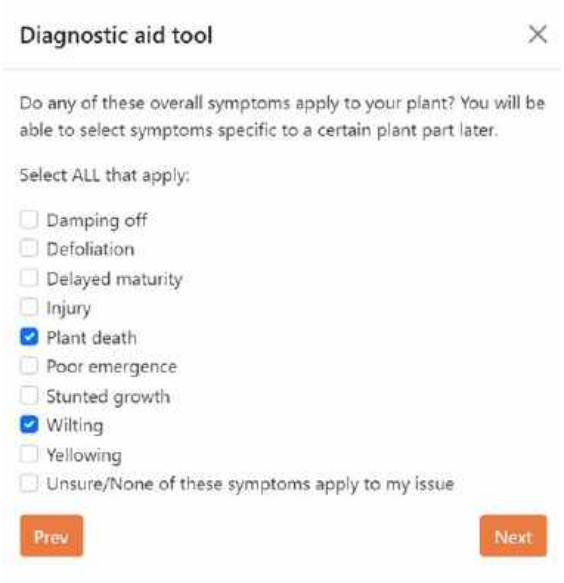
Continue collecting information about the unknown disease or nutrient deficiency according to our logic tree



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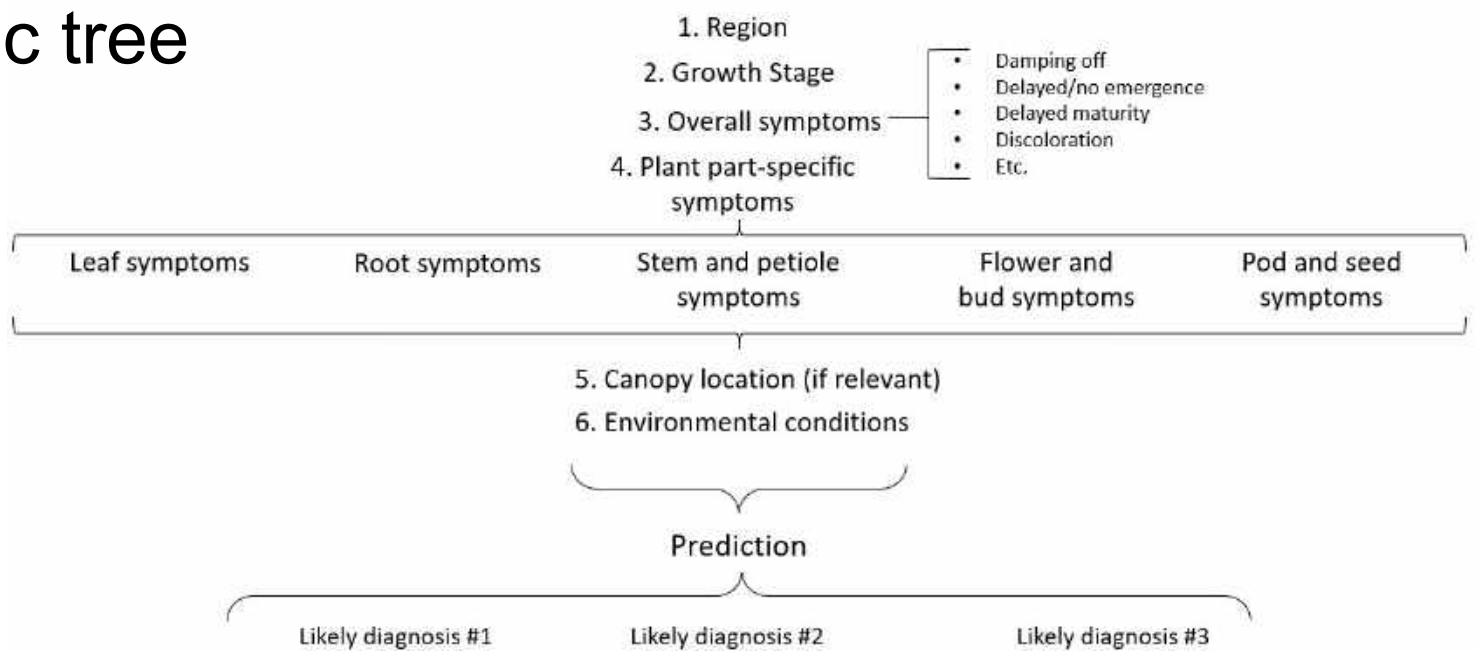

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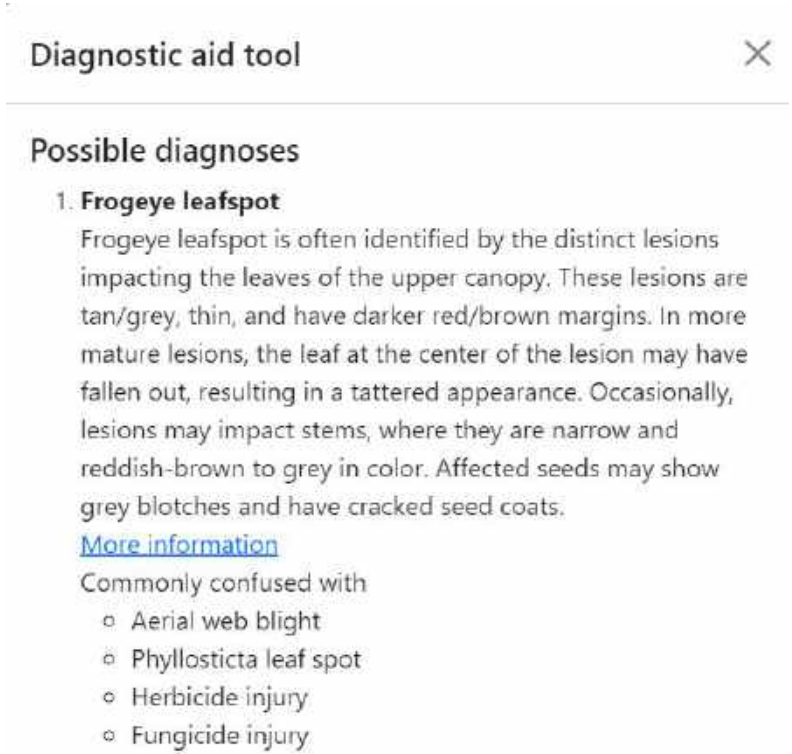
Get information about the most likely diagnoses



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

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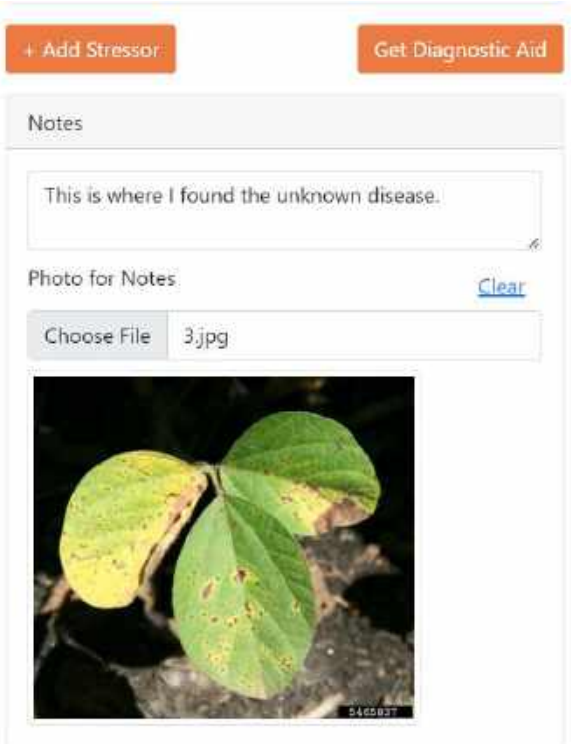
Record any notes or images you or your collaborators may find helpful



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

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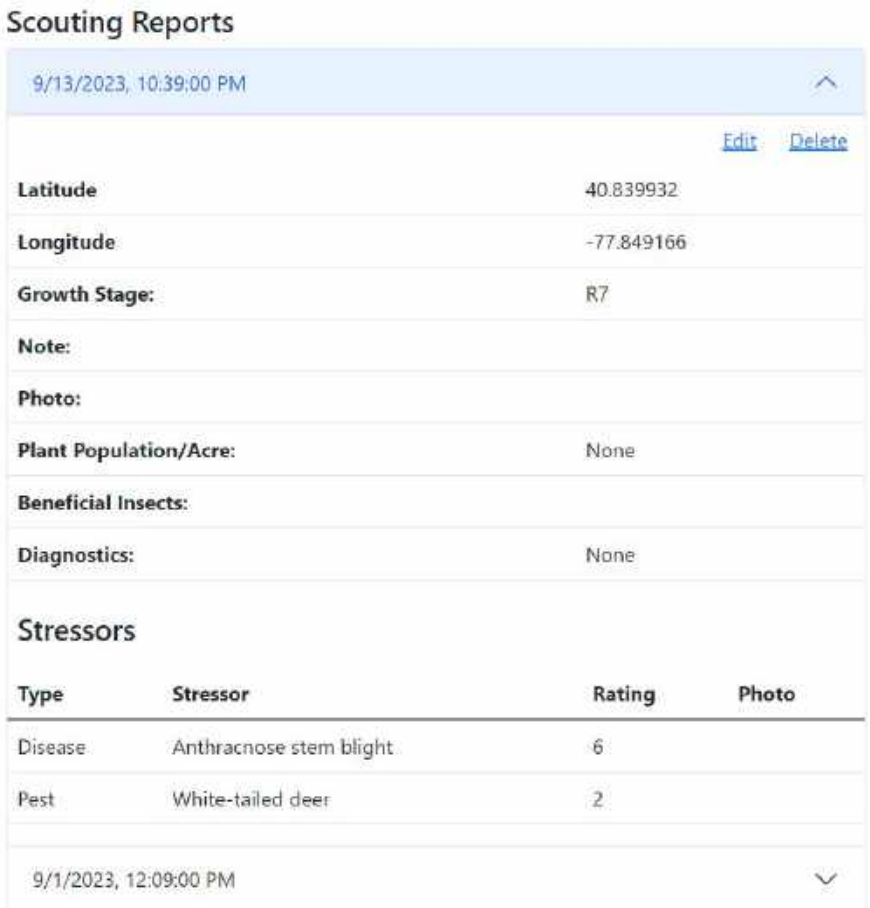
View all collected field information. Get collaborator help diagnosing unknown diseases.



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	Anthracnose 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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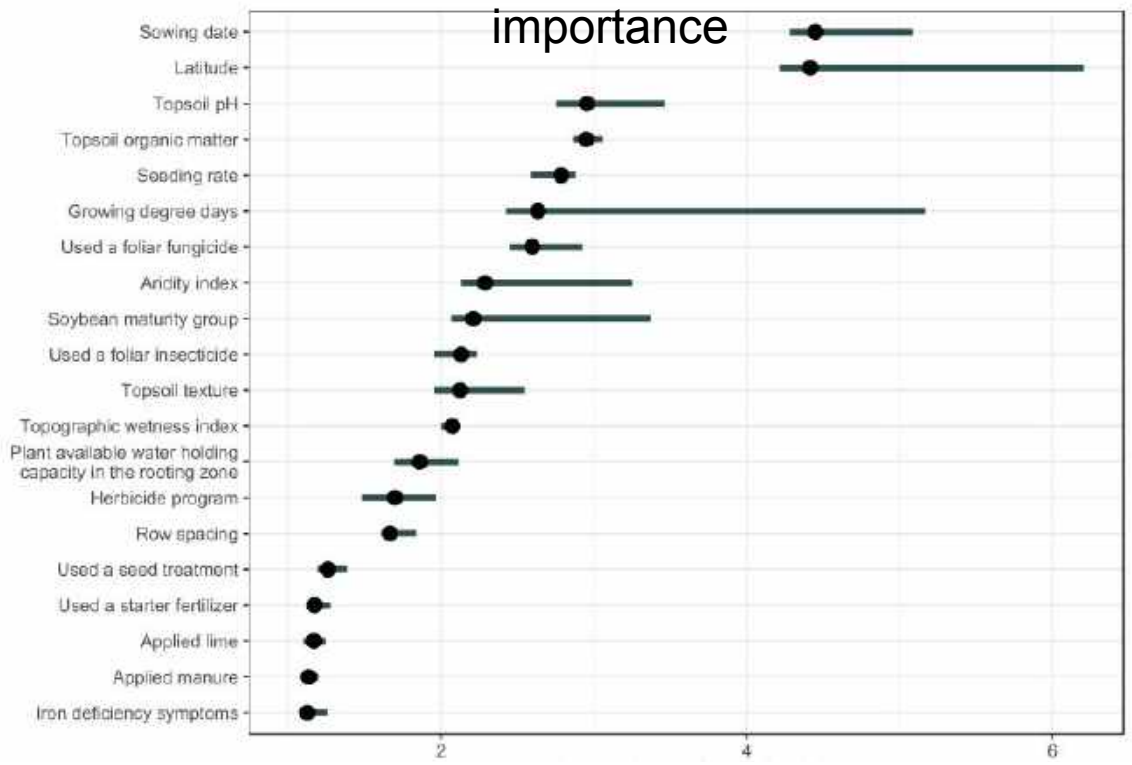
Feature importance



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Stressor occurrence alerts

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

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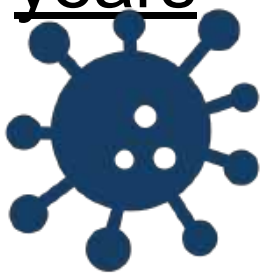
Trends from previous years



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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