

# Pest Management for Pennsylvania Hops

*Humulus lupulus*, commonly known as hop, is a perennial plant. Hop flowers are produced as cones, and used in beer production as a stability and flavoring agent. The majority of hop production is found on the West coast, but with the upswing in microbrewery popularity within PA, more hop yards are being established.

As hops become more popular, disease pressures will increase. Key pests need to be identified swiftly and correctly. Integrated pest management (IPM) tactics are a great way to sustainably prevent and treat these pest issues. Scouting your crop and making pest observations, is a vital step to getting ahead of pests. Understand what symptoms to look for, and what treatments to use. IPM can significantly improve final yield and quality of your crop.

## Key Pests

- Downy Mildew
- Hop Aphid
- Potato Leafhopper
- Powdery Mildew
- Spider Mites



A diagnostic photo gallery for hop issues is provided by Penn State's Department of Plant Pathology and Environmental Microbiology.

<https://plantpath.psu.edu/research/labs/gugino-lab>



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# iPiPE

**INTEGRATED PEST INFORMATION  
PLATFORM FOR EXTENSION AND EDUCATION**

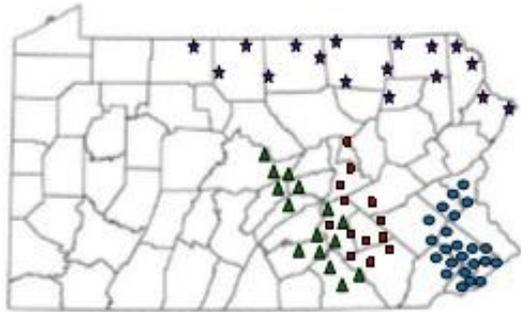
## What is iPiPE?

- A program designed to enhance integrated pest management (IPM).
- Functions by collecting and sharing observational pest data and pest risk models.
- Through this information sharing model, iPiPE has a mission to strengthen food security and increase farm profitability.

**USE iPiPE TO GET AHEAD OF PESTS!**

## Why use iPiPE?

- Gain access to the latest research and IPM tactics; learn to control pests more efficiently.
- View current pest distributions, and know when pests are heading your way.
- Participation is free!



## Who can use iPiPE?

iPiPE can be used by all growers who strive to progress through sharing their pest data, and creating a collaborative agricultural environment.

Visit [ed.ipipe.org](http://ed.ipipe.org) to learn more.



There's an app for that! Get the **ipipeLite** app to upload your pest data from anywhere, in real time.