University of Delaware | Cooperative Extension
College of Agriculture & Natural Resources

Integrated Pest Management Meetings

How UD Cooperative Extension informed soybean and small-grains growers about multidisciplinary solutions to crop management of insects, pathogens and weeds

ISSUE

over $74 million **soybean revenue** + **over $35 million** **small grains revenue**

Soybean and **small grains** annual revenue production are vital to Delaware's agricultural economy.

Emerging and re-emerging pests threaten the profitability of these commodities.

Example: In 2015, **soybean vein necrosis virus (SVNV)** was detected in **72%** of Delaware soybean fields.

RESPONSE

UD Cooperative Extension Integrated Pest Management team developed demonstration projects on farms related to pest management in soybean and small grains.

Discussion of issues:

- Decision-making in management of aphid and barley yellow dwarf virus and Fusarium head blight in small grains
- Use of a small grains cover crop to reduce slug injury on soybean and improve soil health
- Update on the kudzu bug and SVNV
- Management of problematic weeds in small grains
- Incorporation of rye cover crops to reduce risk of developing resistant weed populations in soybean

IMPACT

56% of growers increased their knowledge of plant pathogens.

27% of growers increased their knowledge of managing emerging and re-emerging pests of soybean and small grains.

59% of growers increased their knowledge and were able to identify the kudzu bug.

74% of growers learned SVNV may be worse in double-crop soybeans compared to full-season soybeans.

66% of growers understood local misted nursery screening is the most reliable forecasting tool for management of wheat.