

## Insect Identification

### Dates and Locations

- March 2018

### What You Will Learn

Participants will learn basic insect biology and classification. At the end of the training module, participants will be able to identify major insect pests and beneficials and understand basic biology and ecology of agricultural insects.

### Topics

- Introduction to entomology, basic functions of an insect
  - Insect development; Insect behavior
- Introduction to insect biodiversity
  - Insect classification
  - Major families of agricultural importance
  - Hands-on on insect collection for identification
- Importance of insects in the ecosystem
  - Pollination; Biological control; Nutrient recycling
  - Hands-on: insect sampling in different ecosystems
- Introduction to insect toxicology:
  - When to apply insecticide: IPM concept and economic thresholds
  - Introduction to insecticide classes and mode of action

### Lead Instructor

Xavier Martini

### Additional instructors and coordinators

Joe Funderburk and Derrick Conover

