



BCMG SATURDAY SEMINAR

ENTOMOLOGY

TODAY'S PRESENTERS

SARAH ADAMS & KRISTEL USENER

BIG COUNTRY MASTER GARDENERS



ENTOMOLOGISTS

- ❖ Most have degrees in Entomology or Biology
- ❖ Insects are incredibly diverse and include everything from beautiful butterflies, to unique beetles, to disgusting roaches
- ❖ Insects live in vastly different environments
- ❖ Over 12 Different Orders of Insects – millions of insects
- ❖ We are not entomologists!



TRAINING FOR ADVANCED SPECIALIZATION

- ❖ Completed 32 hours of classroom training
- ❖ Given books and other research materials
- ❖ Understand some basic principles, but mostly...
- ❖ Learned how to help you collect useful information
- ❖ Introduced to the right people to ask



HOW CAN WE HELP YOU?

- ❖ If you bring us an insect, we can probably get close to identifying it
- ❖ We can guide you to collecting helpful information
- ❖ We can give you tips on how to photograph insects
- ❖ We can give you tips on using the iNaturalist app and other citizen scientist resources
- ❖ We can help identify beneficial bugs vs. pests
- ❖ Integrated Pest Management (IPM)



BUG OF THE MONTH

❖ <https://bcmgtx.org/>

❖ <https://bcmgtx.org/gardening-articles/>

- ❖ January – Mosquitos
- ❖ February - Aphids
- ❖ March – Red Imported Fire Ants
- ❖ April – Mason Bees
- ❖ May – Squash Bugs



TODAY'S AGENDA: IPM

Session I – Monitoring and Identification	Session II – Cultural Controls	Session III – Chemical Control
<ul style="list-style-type: none">• Insect Life Cycles• Overwintering• How to Monitor• Why Identify• How to Identify• Tolerance depends on Insect• Balance	<ul style="list-style-type: none">• Discouraging the overpopulations of pests• Encouraging beneficial insects in our landscape• Trap plants• Planting inhospitable environments (i.e. garlic)• Natural Predators	<ul style="list-style-type: none">• Red Fire Ants• Diatomaceous Earth• Insecticidal sprays• Do you need a poison?• THE LABEL IS THE LAW• Beneficial Bugs



Big Country