



# GREENKEEPER™

GreenKeeperApp.com  
help@greenkeeperapp.com

## INSECT IDENTIFICATION AND CONTROL

Ben McGraw, Ph.D.

This nine-week course is designed to provide a fundamental understanding of the basics of entomology, an extensive overview of the major cool- and warm-season turfgrass insect pests, and integrated pest management strategies for their control. A major emphasis of this class will be on identification and behavior of key turfgrass pests. Chemical management will be covered in-depth and the latest findings from university led research will be covered.

### WEEK 1: INTRODUCTION TO INSECTS AND THEIR RELATIVES

**Insect basics & identification: Discussion covering the insect identification process**

### WEEK 2: A LOOK UNDER THE HOOD

**Inside insects & their behavior: Manipulation of insect behavior discussion**

### WEEK 3: INTEGRATED PEST MANAGEMENT (IPM) FOR TURF

**Insect vs pest, scouting & decision-making: Insect control calendar discussion**

### WEEK 4: IPM CONTROL TACTICS

**Chemical, biological, cultural & genetic control: IPM feasibility in turf discussion**

### WEEK 5: ABOVE-GROUND INSECT PEST ISSUES

**Above-ground pests-feeders & social insect-nuisance pests: Discussion about ants**

### WEEK 6: STEM AND THATCH PESTS

**Annual bluegrass weevil, billbugs & chinch bugs: Flea beetles in the Desert SW discussion**

### WEEK 7: BELOW-GROUND INSECT PESTS

**White grubs, mole crickets & crane flies: Mole cricket management panel discussion**

### WEEK 8: NON-INSECT PESTS AND INSECT NON-PESTS

**Earthworms & ticks: Discussion on the ethics of earthworm management**

### WEEK 9: UNINTENDED CONSEQUENCES OF CHEMICAL CONTROL

**Insecticide resistance & pollinator safety: Discussion around more sustainable IPM**

GreenKeeper University courses generally consist of two recorded lectures that students can watch at their convenience and then one weekly ZOOM discussion.

**THIS COURSE IS OFFERED FROM JAN 11 – March 12, 2021**