



## INTEGRATED PEST MANAGEMENT IN TURF

Jim Kerns, Ph.D.

This six-week course focuses on turfgrass integrated pest management (IPM), the diagnostic process in turfgrass systems, resistance management, disease epidemiology, principles of disease management and cultural control strategies.

### WEEK 1: INTRODUCTION TO INTEGRATED PEST MANAGEMENT

**Discussion of Integrated pest management and how it relates to disease management**

### WEEK 2: TURFGRASS DIAGNOSTICS

**Principles of disease diagnosis in turf and keys to distinguishing abiotic from biotic factors**

### WEEK 3: FUNGICIDE BASICS AND RESISTANCE MANAGEMENT

**Fungicide mechanisms & Resistance management discussion**

### WEEK 4: BASICS OF EPIDEMIOLOGY

**Basics of epidemiology – The study of disease development**

### WEEK 5: PRINCIPLES OF DISEASE MANAGEMENT 1

**Discussion of the different strategies for managing diseases: Host resistance, avoidance, and exclusion.**

### WEEK 6: PRINCIPLES OF DISEASE MANAGEMENT 2

**Finish disease management strategies: Cultural and Biological control**

GreenKeeper University courses generally consist of two hours of lecture content each week for students to view at their convenience and one weekly ZOOM discussion.

**THIS COURSE IS OFFERED FROM JAN 10 – FEB 18, 2022**