



RESPONSIBLE PESTICIDE USE IN TURFGRASS SYSTEMS

This course focuses on turfgrass integrated pest management (IPM) and science-based strategies for reducing the non-target injuries (i.e. pesticide risk) that can occur from repeated pesticide use. Strategies for documenting your IPM progress to groups both within and outside your organization will also be discussed.

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Course Structure

This course is organized into six units. Each week will have two video lectures and a short 5- to -10 question quiz. Students should contact Paul with questions related to the course content or with questions about Masterio, quizzes, grades etc. The preferred method of communication is the instructors email listed above. Any general questions about GreenKeeper University should be directed to help@greenkeeperapp.com.

Course Content

All video lectures will be posted on the course's Masterio site (<http://gku.greenkeeperapp.com>). A PDF copy of the lecture materials will be posted below each video link. Supplemental readings will also be post below the video lectures, when applicable. The supplemental content is not required to pass the weekly quizzes. They are designed to provide additional information about a topic. Video lectures are approximately 45-60 minutes in length.

Weekly Quizzes

Each week concludes with a 5- to -10 question quiz. They are designed to emphasize the core concepts from the past week. Quiz questions are displayed one-at-a-time with immediate feedback to help student understand why an answer is correct or incorrect. While GreenKeeper University courses are not graded, students must earn a 70% on a quiz to pass that week. Quizzes can be taken as many times as possible to earn a passing grade.

The course will be completed, and 2 credit will be earned once a student passes all three.



COURSE SCHEDULE

- SECTION 1: PESTICIDE TOXICITY**
Define the various types of pesticide toxicity and how they're measured.
- SECTION 2: PESTICIDE USAGE BEST MANAGEMENT PRACTICES**
Identify the most effective practices for reducing non-target injury.
- SECTION 3: MEASURING AND REDUCING PESTICIDE RISK**
Define pesticide risk and identify science-based strategies for reducing risk.
- SECTION 4: DISEASE PREDICTIVE MODELING**
Review current disease predictive models to ensure pesticides are used only when needed.
- SECTION 5: PESTICIDE ALTERNATIVES AND ORGANIC MANAGEMENT**
What does the latest science about non-pesticide pest management strategies?
- SECTION 6: IPM GOALS AND DOCUMENTATION PROCESS**
Strategies for documenting your IPM efforts to groups outside your organization.