



AGR 126: Understanding Pesticides

This course explores the classes and proper handling and application of pesticides used in urban and agricultural environments. Topics discussed include classification, toxicology, formulation, application techniques, safety, legal considerations, environmental impact, and research and development of new pesticides. Chemical control methods that are least toxic and permissible by the National Organic Program standards will be emphasized. Successful completion of this course will help prepare students to take the Massachusetts pesticide license exam.

Course Student Learning Outcomes

1. Describe the chemistry of common pesticide classes. 2. Describe common pesticide mode of action. 3. Describe proper pesticide application techniques. 4. Utilize appropriate pesticide and formulation. 5. Calibrate various types of equipment used in pesticide application. 6. Demonstrate proper record-keeping techniques. 7. Describe the hazards associated with the use of pesticides. 8. Describe the governmental regulations regarding the use of pesticides.

Credits: 3

Program: Sustainable Agriculture