
SECTION HEADING

AGRI 1125: Custom Application

Description

Custom Application is designed for the student pursuing a career in crop production or agronomy services area. The student will receive hands-on instruction in the safe operation and calibration of custom sprayers and spreaders. The student will be prepared for and issued the Minnesota State Custom Application exams for categories (Core-A, Field Crop Pest- C, Seed Treatment-H) - leading to licensure in those areas.

Credits

2

Prerequisite

None

Corequisite

None

Topics to be Covered

1. Pest Management
2. Federal Pesticide Laws
3. Pesticide Labeling
4. Pesticide Formulations
5. Pesticide Hazards and First Aid
6. Personal Protective Equipment
7. Pesticides in the Environment
8. Transportation, Storage, and Security
9. Weed Management
10. Insect Management
11. Disease Management
12. Seed Treatment

Learning Outcomes

1. Identify and demonstrate safe handling techniques in mixing, loading and applying pesticides commercially.
2. Identify components of custom application equipment.
3. Calculate application rates for crop and seed pesticides.
4. Identify and apply key components of integrated pest management
5. Describe product labeling and application records.
6. Identify crop pests (Weeds, Insects, Diseases)
7. Demonstrate personal protective equipment.
8. Describe Federal and State pesticide laws.
9. Explain pesticide formulations.
10. Complete commercial applicators exam.

Credit Details

Lecture: 2

Lab: 0

OJT: 0

MnTC Goal Area(s): None