
SECTION HEADING

AGRI 2202: Weed Science

Description

Weed Science relates the principles of weed science to weed management situations encountered in the field. Methods of weed control, modes of action of herbicides, weed identification, and herbicide interactions will be emphasized.

Credits

3

Prerequisite

None

Corequisite

None

Topics to be Covered

1. Biology of Weeds and Seeds
2. Herbicides and the Plant
3. Herbicides and the Soil
4. Selectivity of Herbicides
5. Formulations, Drift, and Calculate Spray Solutions.
6. Application Equipment
7. Chemical Families and Modes of Action
8. Herbicide Resistance
9. Best Management Practices
10. Weed Identification in our Region
11. Herbicide symptoms
12. Herbicide Labels

Learning Outcomes

1. Describe weed characteristics and why they are persistent.
2. Classify weeds according to their life cycle.
3. Identify parts of the plant structure and their functions.
4. Calculate spray solutions.
5. Explain the evolution of herbicides.
6. Describe movement of herbicides in plants.
7. Categorize herbicides according to mode of action.
8. Classify herbicides according to selectivity.
9. Describe soil-herbicide interaction.
10. Identify the parts of a herbicide label.
11. Identify common weeds in our region.
12. Describe best management practices.

Credit Details

Lecture: 2

Lab: 1

OJT: 0

