



### CLASSROOM INSTRUCTION:

- Maintenance
- Product Costs and Liability Concerns
- Fall Fertilizer & VRT Application
- Spraying Process, Equipment Operation, Applicator Simulator Training
- Crop Chemicals
- Liquid Rowcrop Application
- Weed Science and Pesticide Mode of Actions
- Commercial Driving License

### PROGRAM OUTCOMES:

Prepare individuals to effectively operate chemical applicator equipment and understand what chemicals are used to treat certain infestations.

### PROGRAM LENGTH:

256.5 hours of related instruction &  
Approximately 1 year of on-the-job learning

### CERTIFICATION:

Commercial Applicator License

### ON-THE-JOB LEARNING COMPETENCIES:

- Prepare dry ingredients for application.
- Apply dry fertilizer to fields.
- Prepare chemicals for work application.
- Treat ground with protective substances.
- Inspect field to determine treatment needs.
- Operate sprayer equipment.
- Clean and maintain equipment.

### JOB FUNCTIONS:

- Mix pesticides, herbicides, or fungicides for application to fields.
- Fill sprayer tanks with water and chemicals, according to formulas.
- Lift, push, and swing nozzles, hoses, and tubes to direct spray over designated areas.
- Identify weeds or plant diseases to determine the appropriate course of treatment.
- Cover areas to specified depths with pesticides, applying knowledge of weather conditions, droplet sizes, elevation-to-distance ratios, and obstructions.

### SKILLS:

Active Listening, Critical Thinking, Speaking, Time Management, Complex Problem Solving

