

Course Objectives/Course Outline
Spokane Community College

Course Title: Pesticides and Fertilizer Application Equipment

Prefix and Course Number: AGHRT 102

Course Learning Outcomes:

By the end of this course, a student should be able to:

- identify the advantages and disadvantages of the different component parts used in the application of pesticides and fertilizers
- design a pesticide applicator
- calibrate a pesticide applicator and fertilizer spreader
- operate a pesticide applicator and fertilizer spreader

Course Outline

- I. Spray Application System Choices
 - A. Tanks
 - B. Agitation Systems
 - C. Suction Strainer Designs
 - D. Pump Designs and Uses
 - E. Pressure Regulating Options
 - F. Surge Tank Applications
 - G. Press Gauge Selections
 - H. Plumbing Considerations
 - I. Spray Nozzle Selections
 - J. Handgun Choices
 - K. Sprayer Calibration Considerations
- II. Spreaders
 - A. Types of spreaders
 - B. Spreader Calibration Considerations
- III. Practical Applications
 - A. Safety Factors with Equipment Operation
 - B. Usage
 - C. Handling and Storage
 - D. Cleaning
 - E. Protective Gear