### STEPS (Required to Perform the Task)

<table>
<thead>
<tr>
<th>Step</th>
<th>Task</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Scout fields to determine disease type and pressure</td>
<td>- Use or A/V, truck, disease identification guide</td>
</tr>
<tr>
<td>2</td>
<td>Obtain fungicide needed to control the disease that is present</td>
<td>- Use care in transporting or handling pesticides</td>
</tr>
<tr>
<td>3</td>
<td>Check tank filter and calibrate the sprayer</td>
<td>- Use water only for calibrating equipment, disposal</td>
</tr>
<tr>
<td>4</td>
<td>Mix fungicide with water in the sprayer tank</td>
<td>- SDS, fungicide label, instruction, MSDS, fungicide mixing, analytical skills, basic math knowledge, mechanical knowledge</td>
</tr>
<tr>
<td>5</td>
<td>Apply the fungicide to the crop</td>
<td>- Tractor, sprayer, tractor driving skills, fungicide application skills, knowledge of weather conditions (wind direction, air temperature, air speed)</td>
</tr>
<tr>
<td>6</td>
<td>Clean up sprayer and mixing equipment when finished</td>
<td>- Water, detergent, ammonium or others</td>
</tr>
</tbody>
</table>

### TOOLS, EQUIPMENT, SUPPLIES AND MATERIALS Needed

- Tractor, sprayer, pesticide applicator’s license to spray in the spraying area must have a state or others license to spray in the spraying area

### REQUISITED KNOWLEDGE AND SKILLS

- Use care in transporting or handling pesticides
- Mix fungicide with water in tank according to label instructions
- Knowledge of fungicide mixing, analytical skills, basic math knowledge, mechanical knowledge
- Use water only for calibrating the sprayer, be cautious around equipment
- Accurate, conscientious, detail oriented
- SDS, fungicide label, pesticide applicator training, Extension bulletins
- Fungicide may not be compatible, poor mixing may cause environmental damage
- Knowledge of fungicide to water, should I use? What is the proper way to mix the fungicide with water? What do I do with the empty containers? What must I do to protect myself and others around me? What do I do if I accidentally spill fungicide on myself?
- Calibration instructions, fungicide label, sprayer user manual, experience
- Fungicide mixed correctly which will result in dust or over application
- Fungicide safety and accuracy to target area
- Safety conscious, accurate, conscientious, detail oriented
- How fast do I drive when applying fungicide? How much do I want to cover in my pass? How do I know if the sprayer is applying correctly?
- Calibration instructions, fungicide label, sprayer user manual, experience
- May contaminate future applications with fungicide, could damage crop, next season may not be compatible
- Don’t know what disease needs heated or what fungicide to use to kill the disease and maximize yield

### DECISIONS (Identify Decisions That Must be Made by the Worker)

- What fungicide do I need? How much do I need to treat the affected area? Where do I get it? Am I licensed to buy it?
- Knowledge of fungicides, pesticide applicator training
- Fungicide applied too light won’t control disease, crop yield will be reduced
- Use water only for calibrating equipment, disposal
- How do I clean up the sprayer tank, lines? What do I do with the empty containers?
- SDS, fungicide label, pesticide applicator training, Extension bulletins
- Fungicide won’t be mixed correctly which will result in dust or over application
- How do I know if the sprayer is applying correctly?
- Calibration instructions, fungicide label, sprayer user manual, experience
- May contaminate future applications with fungicide, could damage crop, next season may not be compatible

### POSTA Standard Task Analysis Form

<table>
<thead>
<tr>
<th>Sub-task</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>H-10 Apply fungicides</strong></td>
<td>Does anyone within 25 miles of the spraying area must have a state pesticide applicator’s license to spray fungicides.</td>
</tr>
</tbody>
</table>

### PERFORMANCE STANDARDS

- Accurately determined disease type to be sprayed in the target area
- Knowledge of disease identification, driving skills
- Drive safely
- Accurate, conscientious, thorough
- What disease do I have? Is the pressure such that I need to apply a fungicide? What stage of development is the disease? |
- Observations, experience, fungicide usage guidelines
- How do I know that the calibration is correct? | Who can help me if I need help in calibrating the sprayer? |
- Knowledge of fungicides that are used for on food crops, purchasing knowledge
- Accurate, timely, knowledgeable
- What fungicide do I need? How much do I need to treat the affected area? Where do I get it? Am I licensed to buy it? | Knowledge of fungicides, pesticide applicator training |
- Thoroughly cleaned sprayer and mixing equipment? Did I clean all surfaces and flush all lines? What do I do with the empty containers? How do I dispose of empty containers? How do I store unused concentrate?
- Fungicide applied too light won’t control disease, crop yield will be reduced
- Use water only for calibrating equipment, disposal
- How do I know if the sprayer is applying correctly?
- Calibration instructions, fungicide label, sprayer user manual, experience
- May contaminate future applications with fungicide, could damage crop, next season may not be compatible

### CUES (Identify the Data Needed for Making Correct Decisions)

- Use care in transporting or handling pesticides
- Mix fungicide with water in tank according to label instructions
- Knowledge of fungicide mixing, analytical skills, basic math knowledge, mechanical knowledge |
- Use water only for calibrating the sprayer, be cautious around equipment
- Accurate, conscientious, detail oriented
- SDS, fungicide label, instruction, MSDS, fungicide mixing, analytical skills, basic math knowledge, mechanical knowledge |
- Use water only for calibrating the sprayer, be cautious around equipment
- Accurate, conscientious, problem solver
- How do I correctly calibrate the sprayer? How do I verify that the calibration is correct? | Who can help me if I need help in calibrating the sprayer? |
- Fungicide applied too light, too heavy will waste fungicide and potentially cause environmental damage
- SDS, fungicide label, experience, pesticide applicator training, Extension bulletins
- Fungicide won’t be mixed correctly which will result in dust or over application
- How do I know if the sprayer is applying correctly?
- Calibration instructions, fungicide label, sprayer user manual, experience
- May contaminate future applications with fungicide, could damage crop, next season may not be compatible

### TOOLS, EQUIPMENT, SUPPLIES (Needed)

- Tractor, sprayer |
- Tractor driving skills, fungicide usage guidelines |
- Accurately determined disease type to be sprayed in the target area
- Knowledge of disease identification, driving skills |
- Drive safely
- Accurate, conscientious, thorough |
- What disease do I have? Is the pressure such that I need to apply a fungicide? What stage of development is the disease? |
- Observations, experience, fungicide usage guidelines |
- How do I know that the calibration is correct? | Who can help me if I need help in calibrating the sprayer? |
- Knowledge of fungicides that are used for on food crops, purchasing knowledge |
- Accurate, timely, knowledgeable |
- What fungicide do I need? How much do I need to treat the affected area? Where do I get it? Am I licensed to buy it? | Knowledge of fungicides, pesticide applicator training |
- Thoroughly cleaned sprayer and mixing equipment? Did I clean all surfaces and flush all lines? What do I do with the empty containers? How do I dispose of empty containers? How do I store unused concentrate? |
- Fungicide applied too light won’t control disease, crop yield will be reduced |
- Use water only for calibrating equipment, disposal |
- How do I know if the sprayer is applying correctly? |
- Calibration instructions, fungicide label, sprayer user manual, experience |
- May contaminate future applications with fungicide, could damage crop, next season may not be compatible