



Name: _____

School: _____

2014 Area IV & VIII
Agricultural Mechanics CDE

Machinery Skill Area

Points are based on your performance of proper procedures as well as skill activities. Please practice safe methods while completing these activities. If you need any clarifications please ask for assistance.

Identify each of the components tagged 1-5 on the sprayer.

1: _____

2: _____

3: _____

4: _____

5: _____

6. What is the distance between spray tips on this sprayer?

Distance: _____

7. What is the rated RPM of this sprayer?

Rated RPM: _____

8. How many acres in an hour can this sprayer cover being pulled 6 MPH?

Acres per hour: _____



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Use the provided spray tip information page to answer the following questions.

9. Using the tips currently in the sprayer, how long could you spray assuming the tank started full with 500 gallons of solution and the spray pressure was 40 psi.

Spray Time: _____

10. Using the current nozzle spacing and the tips currently in the sprayer how many gallons per acre will be sprayed at 10 MPH. **Assume 40 psi.

GPA: _____