

Right-of-Way Calibration Sample Problems

PROBLEMS

1. A commercial applicator has contracted to treat the highway shoulder on an interstate highway system. He has agreed to apply 2 oz of Oust per acre on an 8 foot wide shoulder on one side of the road for 80 miles. How much Oust must be purchased to complete the job.
 - a. 123 oz.
 - b. 155 oz.**
 - c. 446 oz.
 - d. 892 oz.

2. You have purchased a new sprayer and do not know its output. If the boom has 22 (8004) nozzles spaced 20 inches apart and you sprayed 12 gallons in a 1000 foot single pass, how many gallons per acre would the sprayer output be?
 - a. 3.5 gallons/acre
 - b. 7.1 gallons/acre
 - c. 14.2 gallons/acre**
 - d. 28.4 gallons/acre

3. You are calibrating a sprayer with water by the refill method. After filling the tank to a marked level you spray an area 10 ft. wide and 435.6 ft. long. After careful measure of the water required to fill the tank to same marked level you find that a total of 6 gallons were used. How many gallons per acre did you apply?
 - a. 2.5 gallons/acre
 - b. 25 gallons/acre
 - c. 37.5 gallons/acre
 - d. 60 gallons/acre**