

1/128 Method of Calibration

Step 1: Establish a plot that is 340 sq. ft. (18.5 ft. x 18.5 ft. is the size we generally use)

Step 2: Spray plot uniformly with water at a constant rate and pressure (moving at a natural spraying speed- not too fast or too slow). Time how long it takes to spray the area, repeat several times and take an average.

Time required=_____Seconds

Step 3: Spray into a container for the amount of time recorded above using the same rate and pressure. Measure the number of ounces of water in the container.

Volume Sprayed=_____Ounces

Step 4: The number of ounces collected from the container is equal to the gallons per acre (GPA) the sprayer will deliver.

Gallons per Acre=_____GPA

Step 5: Determine the volume of the spray tank.

Tank volume=_____Gallons

Step 6: From the label, determine the amount of pesticide to apply per acre.

_____ounces of pesticide per acre (Rate per acre)

Step 7: Calculate the amount of pesticide to add to the spray tank.

_____oz. per acre(step6) × (_____gal(step5) ÷ _____GPA(step4))

= _____ Total amount of pesticide to add to the tank.