

Broadcast Sprayer Calibration

To Calibrate:

Materials needed: measuring tape, watch with a second hand, and measuring jar graduated in ounces.

1. Fill sprayer tank with water.
2. Determine nozzle spacing in inches and measure appropriate distance in the field according to the following table:

Nozzle spacing (inches)	Travel distance (feet)
20	204
30	136
36	113
37	107
40	102

3. In the field, drive the designated distance at your normal spraying speed. Record travel time in seconds.
4. Set the desired pressure on sprayer. With the sprayer parked, collect the output from each nozzle

for the recorded travel time. Record the output of each nozzle separately.

5. Calculate the average discharge rate of all nozzles in ounces.

Ounces = Gallons per acre

If the above gallonage is not reasonable for the product being applied, change the rate by:

- Adjusting the pressure, or
- Adjusting the travel speed, or
- Changing nozzle size

and recalibrate.

6. If any nozzles are more than 5% below or above the average discharge rate and nozzles are new, replace those tips and recalibrate. If nozzles are old replace all tips and recalibrate.

... and justice for all

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