# Calibration for Sprayers

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## Boom Sprayer

1/128 method

1. Measure nozzle spacing in inches.
2. Use chart to determine course length to drive.

| Nozzle spacing (inches) | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
|---|---|---|---|---|---|---|---|---|---|---|
| Course Length (feet) | 204 | 185 | 170 | 157 | 146 | 136 | 127 | 120 | 113 | 107 |

3. Measure time to drive the length.
    a. Use comfortable gear/speed (make note to use them always when spraying)
    b. Repeat 3 times (average time)
4. Park tractor and using same rpm's, catch output from one nozzle for time of drive (step 3)
5. Measure in ounces. It will equal gallons/acre output.
6. Then divide tank size (gallons) by the number got in step 5. This will determine the number of acres the sprayer can spray when full.

## Boomless Sprayer

1. Measure spray width (feet)
2. Use chart to determine course length to drive.

| Spray width (feet) | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 |
|---|---|---|---|---|---|---|---|---|
| Course length (feet) | 182 | 171 | 161 | 152 | 144 | 137 | 130 | 124 |

*If your sprayer's width is not listed, divide 5,460 by your width to get travel distance.*

3. Measure time to drive length
    a. Use comfortable gear/speed (make note to use them always when spraying)
    b. Repeat 3 times (average time)
4. Park tractor, and using same rpm's, catch output from nozzle using a garage bag for the time of drive (step 3).
5. Measure in pints. This measure will equal output in gallons per acre.
6. Then divide tank size (gallons) by the number got in step 5. This will determine the number of acres the sprayer can spray when full.

## Country Boy's Way (Quick Method)

1. Fill tank to known level with clean water.
2. Mark a 208x209 area (approximately 1 acre) in field with orange flags.
3. Spray area, using comfortable speed and RPMs.
4. Refill tank to known level noting how many gallons were sprayed/ how many gallons added back to reach known level.
5. Then divide tank size by number in step 4. That is the number of acres that can be sprayed by sprayer.