

Sprayer Calibration

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Boom Sprayer:



- 1. Determine nozzle spacing.
- 2. Refer to table below for length of calibration course.
- 3. Mark off calibration course.
- 4. Record time required to drive calibration course at desired field gear and rpm.
- 5. Park tractor, maintain rpm used to drive course, turn on sprayer.
- 6. Catch water from one nozzle for time equal to that required to drive calibration course
- 7. Ounces of water = gallons per acre.
- 8. Spray tank volume ÷ gallons per acre = acres worth of herbicide to add to spray tank.

Chart for Swath Width and Length of Calibration Course

Nozzle Spacing (inches)	18	20	30	40
Length of Calibration Course (linear feet)	227	204	136	102

*To determine course for other nozzle spacing, divide the spacing in feet into 340(340 sq. ft. = 1/128 of an acre). **Example**: For 19 in. spacing = 340 ÷ (19÷12) = 215 ft.

Boomless Sprayer:



- 1. Determine swath width.
- 2. Refer to table below for length of calibration course.
- 3. Mark off calibration course.
- 4. Record time required to drive calibration course at desired field gear and rpm.
- 5. Park tractor, maintain rpm used to drive course, turn on sprayer.
- 6 Catch water from one nozzle for time equal to that required to drive calibration course.
- 7. Pints of water = gallons per acre.
- 8. Spray tank volume ÷ gallons per acre = acres worth of herbicide to add to spray tank.

Chart for Swath Width and Length of Calibration Course

Effective Swath Width (feet)	25	30	35	40	45	50
Length of Calibration Course* (linear feet)	218	182	156	136	121	109

*To determine the calibration course for a swath width not listed, divide the swath width expressed in feet into 5445 (5445 sq. ft. = 1/8 of an acre). **Example**: Calibration distance for 32-foot swath width = $5445 \div 32 = 170$ feet.

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