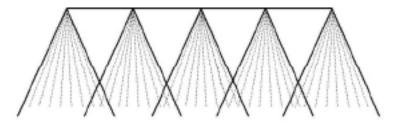


# **Sprayer Calibration**

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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.
- 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

<sup>\*</sup>To determine course for other nozzle spacing, divide the spacing in feet into 340(340 sg. ft. = 1/128 of an acre). **Example**: For 19 in. spacing =  $340 \div (19 \div 12) = 215 \text{ ft.}$ 

# **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

<sup>\*</sup>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 ÷ 32 = 170 feet.

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