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SPRAYER CALIBRATION

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Boom sprayer.

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.

Table 1. Swath width and length of calibration course.

Nozzle spacing (inches)	18	20	30	40
Length of calibration course* (linear feat)	227	204	136	102

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

5. Park tractor, maintain rpm used to drive course, and 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.

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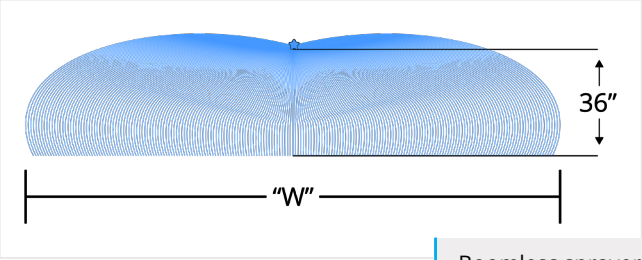

Boomless sprayer.

Table 2. 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 5,445 (5,445 square feet = 1/8 of an acre). **Example:** Calibration distance for a 32-foot swath width = 5,445 ÷ 32 = 170 feet.

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, and 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 ac acre = acres' worth of herbicide to add to spray tank.

Originally published 1998 by Paul A. Baumann,
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