

# CALIBRATION WORKSHEET FOR ROTARY FERTILIZER SPREADERS

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## Sprayer Information

Make: \_\_\_\_\_ Model: \_\_\_\_\_ Year: \_\_\_\_\_

Gear: \_\_\_\_\_ and engine RPM: \_\_\_\_\_ Speed: \_\_\_\_\_

Pattern adjustment setting: \_\_\_\_\_ Spreader opening setting: \_\_\_\_\_

Fertilizer manufacturer: \_\_\_\_\_

Fertilizer name/descriptor (if any): \_\_\_\_\_

Fertilizer analysis (N-P<sub>2</sub>O<sub>5</sub>-K<sub>2</sub>O): \_\_\_\_\_

Fertilizer size guide number (SGN): \_\_\_\_\_

## Component One

Check the distribution pattern settings on your spreader. See Pages 31-41.

## Component Two

Determine the effective spread width. See Page 42.

**Effective Spread Width** \_\_\_\_\_ **ft**

## Component Three: Calculation the Application Rate

**Step 1.** Determine how much fertilizer you want to apply per 1,000 square feet. See Page 44.

_____ lb N (desired N rate)	1 lb product	1,000 ft <sup>2</sup>	= _____ <b>lbs of product to apply</b>
1,000 ft <sup>2</sup>	_____ N (% N in product — as decimal)		

**Step 2.** Set the length of the calibration course.

1,000 ÷ \_\_\_\_\_ (effective spread width from Component 2) = \_\_\_\_\_ **length of calibration course**

See also: Table 2 on Page 45.

**Step 3.** Set the gate opening.

**Step 4.** Pour fertilizer into the hopper. Record the weight here: \_\_\_\_\_ **lbs**

**Step 5.** Apply the product over the calibration course. Collect the remaining fertilizer out of the hopper and weigh it. Subtract this amount from the weight in Step 4.

\_\_\_\_\_ (from Step 4) - \_\_\_\_\_ weight collected in shop vacuum = \_\_\_\_\_ **lbs/1,000 ft<sup>2</sup>**

**Step 6.** Adjust the spreader if necessary. Repeat steps 3-5 until you achieve the desired application rate.

**Step 7.** Record the speed and/or gear, engine RPM, impeller speed setting (if applicable), and gate opening (top of this worksheet). Calibrate each spreader to each product.