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\textsubscript{2}O\textsubscript{5}-K\textsubscript{2}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.

\[
\begin{array}{c|c|c}
\text{lb N (desired N rate)} & 1 \text{ lb product} & 1,000 \text{ ft}^2 \\
\hline
1,000 \text{ ft}^2 & \text{N (\% N in product — as decimal)} & = \text{lbs of product to apply}
\end{array}
\]

Step 2. Set the length of the calibration course.

\[
1,000 + \text{ (effective spread width from Component 2) } = \text{length of calibration course}
\]

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.

\[
\text{lbs from Step 4) - weight collected in shop vacuum} = \text{lbs/1,000 ft}^2
\]

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.