

FERTILIZER SPREADER CALIBRATION

“Applying the Right Amount with a Spreader”

Method # 1

- 1 Fill spreader with a weighed amount of fertilizer
- 2 Layout calibration area in length – 30m, 15m, 60m etc..
- 3 Apply the fertilizer the length of the run.
- 4 Measure the width of the spread.
- 5 Weigh the remaining fertilizer in the spreader and subtract this amount from the amount you started with.

Now you have the all the variables for calculation – Length, width and amount of fertilizer used.

Calculation

Length x width = meters of area (m²)

Example: 2 meter spread x 30 meter run = 60m²

If you applied 2.5 kgs of fertilizer to this area, then you applied 2.5kg ÷ 60m².

You can then use a ratio to find the rate/100m² or rate per hectare.

Example:

You spread 2.5kg ÷ 60m² therefore.....

$\frac{2.5}{60} :: \frac{Y}{100}$ Cross Multiply the ratio 60 x Y = 2.5 x 100 or 60Y = 250

Then: $Y = \frac{250}{60}$ therefore Y = 4.16 The rate of application was 4.16 kg/100m²

Method # 2

- 1 Fill the spreader with fertilizer.
- 2 Run spreader over a pre-marked area.
 - a. Area must be smaller than the spread pattern
 - b. Use a small tarp to collect the applied fertilizer
- 2 Collect and weigh the fertilizer that was applied to the tarp.
- 3 The formula for the kgs of fertilizer applied is:

$$\text{Kilograms per } 100\text{m}^2 = \frac{\text{Amount Collected x } 100}{\text{Size of measured area}}$$