



FERTILISER BOX CALIBRATION

(A calculation free way to check your fertilizer box output)

Equipment needed: Metric measuring tape, metric kitchen scales, plastic buckets

Collect fertiliser (kilograms) over the distance (select distance according to row spacing) equals number of 50kg bags per acre.

Row spacing		Distance to collect fertiliser
Metres	feet	Metres
1.50	4'11"	54.01
1.52	5'0"	53.11
1.55	5'1"	52.24
1.58	5'2"	51.40
1.60	5'3"	50.68
1.63	5'4"	49.79
1.65	5'5"	49.02
1.68	5'6"	48.28
1.70	5'7"	47.61
1.73	5'8"	46.79
1.75	5'9"	46.25
1.78	5'10"	45.47
1.80	5'11"	44.97
1.83	6'0"	44.25

Required Rate: _____ kg/ha

Current rate. _____ kg/ha

Current cog size: **Driving: (tractor)** _____

Driven: (fertiliser box) _____

Adjusting your fertiliser box.

1. For driving cog (tractor)

$$\text{Number of teeth required} = \frac{\text{number teeth on existing cog} \times \text{required application rate}}{\text{Present application rate}}$$

OR

2. For driven cog (fertiliser box)

$$\text{Number of teeth required} = \frac{\text{Number teeth on existing cog} \times \text{present application rate}}{\text{Required application rate}}$$

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