

Cresco's Calibration Settings Guide



Calibration Settings Guide: Spreading Fertilizer



How to Accurately Calibrate a Spreader

START 1

Setting	Spread Distribution
12	Length 10 m
	x Width 4
	= Area 40

Set your volume setting to 12 on the on/off mechanism. Choose a 10 metre concrete run area for your calibration. For all calibration try to keep close to a 3mph walk speed.

START 2

Setting	Spread Distribution
12	Length 10 m
	x Width 4
	= Area 40

Be careful of material bounce; measure to where the granules stop landing - not to where they bounce to.

Calculate your spread width and enter it into the box indicated above. A spread width of 4 metres will give you an area of 40m² (10 x 4). Fill in your area.

3

Setting	Spread Distribution	Fertilizer Used in KG
12	Length 10	Before 6
	x Width 4	- After
	= Area 40	= Used

With a set of scales, weigh out 6Kg of fertilizer. Input 6Kg into the 'before box'. Ensuring the aperture is closed, pour the 6Kg into the hopper. Spread the material on your run and weigh the amount of material remaining in the hopper. Calculate the amount used (Before - After = Used).

4

Calibration Settings Guide: Single Pass Area Method

Setting	Spread Distribution	Fertilizer Used in KG	Rate Per Square
12	Length 10	Before 6	Used (g) 4000g
	x Width 4	- After 2	/ Area 40
	= Area 40	= Used 4	= Rate 100g

To find the G/m², multiply the used box by 1,000. Then divide by the area discovered in step 2 (40). This will give you your rate per square metre. This MUST match the G/m² advised on your fertilizer bag or the G/m² you want. If it does not, re-test with a higher or lower volume until you reach your required G/m².

Application on Turf After Calibration

START 5

If your spread width is for example 4 metres, your distance between each pass should be 4 metres. **Note:** The far edges of the spread pattern are designed to feather in, ensuring good coverage on the edges of the pattern.

START 6

Single Pass Fertilizer Spreading

Use the application rate suggested on the back of your fertilizer bag. Cover the area as shown by passing over it in an up and down track, taking into account the spread width of the material being applied.

Calibration Settings Chart: Single Pass Method



Setting	Spread Distribution		Fertilizer Used in KG		Rate Per Square	
	Length		Before		Used (g)	
	x Width		- After		/ Area	
	= Area		= Used		= Rate	
Setting	Spread Distribution		Fertilizer Used in KG		Rate Per Square	
	Length		Before		Used (g)	
	x Width		- After		/ Area	
	= Area		= Used		= Rate	
Setting	Spread Distribution		Fertilizer Used in KG		Rate Per Square	
	Length		Before		Used (g)	
	x Width		- After		/ Area	
	= Area		= Used		= Rate	
Setting	Spread Distribution		Fertilizer Used in KG		Rate Per Square	
	Length		Before		Used (g)	
	x Width		- After		/ Area	
	= Area		= Used		= Rate	
Setting	Spread Distribution		Fertilizer Used in KG		Rate Per Square	
	Length		Before		Used (g)	
	x Width		- After		/ Area	
	= Area		= Used		= Rate	
Setting	Spread Distribution		Fertilizer Used in KG		Rate Per Square	
	Length		Before		Used (g)	
	x Width		- After		/ Area	
	= Area		= Used		= Rate	

NOTES:

- Important:** On completion of calibration testing sweep up the material from your test area, if dry and free debris it can be used in the normal manner. If it is contaminated, dispose of the material in a safe way.
- Perform your test run on a hard surface where you can measure and clear up the material.
- Follow the calibration setting guide in the instructions to assist with your own calibration.
- This calibration uses a single pass method, if using a double pass method halve the amount of the fertilizer being spread, and cover the area twice in opposite directions.
- Important:** Please note for half rate settings further calibration tests may be required. A half rate setting is not the single pass setting divided by 2. In other words if you have a calibration at setting 12, bringing it down to 6 would not half the rate, you'll have to re-test to find the right setting.
- The Cresco Calibration setting guide on the last page provides assistance on the gauge settings for different fertilizer granules.

Calibration Settings Guide: Application Guide for Fertilizers



Cresco's Calibration Setting Guide

Speed		Product					
Mph	3	0.5mm - 1mm		1mm - 2mm		3mm - 5mm	
Kph	4.828	3.5	3.5	4.0	4.0	4.5	4.5
Metres p/Sec	1.34	20	35	50	50	20	35
Width	Metres	3.5	3.5	4.0	4.0	4.5	4.5
Application Rate	Grams /Sq M	20	50	20	35	50	20
Run Time	Secs	10	10	10	10	10	10
Distance	metres	13.4	13.4	13.4	13.4	13.4	13.4
Area	Sq Metres	47	47	54	54	60	60
Target Weight	Grams	938	1,876	3,015	1,876	938	1,876
Setting		8.5	11	14	11	13.5	19.5
Slider Position		-	-	-	-	-	-
						7 Clicks LHS	7 Clicks LHS
							16 (X2) Clicks LHS



Left hand slider adjuster



Right hand slider adjuster

LHS (Left hand slider adjuster) is recommended to be engaged when spreading large sized granular materials to provide a more uniform distribution on the left and right side of the spread pattern. Conversely with very light materials (e.g. grass seed) engaging the RHS (Right hand slider adjuster) will be similarly beneficial.

The manufacturer cannot be held responsible for any variations in sq. metre application volumes, or spread width differences, due to possible variations in materials, application conditions at the time and different operator application techniques.



Do not spread Fertiliser or seed materials with the winter slider

This chart should be used as a guide only. For exact settings it may be necessary to calibrate the fertilizer to be applied as explained on page 1.