



1,100-Gallon Hydroseeder

Calibration for Various Rates and Hydraulically Applied Products

Product: HP-FGM®, ET-FGM™, BFM	Mulch Mix Rate: 50 lb (22.7 kg) per 125 gal (472 L) Load: 8.8 bales or 440 lb (199.6 kg) per 1,100-gal (4,164 L) tank
Application Rates lb/ac (kg/ha)	Area Covered per Hydroseeder Tank sq ft (sq m)
2,500 (2,800)	7,667 (712)
3,000 (3,360)	6,389 (594)
3,500 (3,920)	5,476 (509)
4,000 (4,480)	4,792 (445)
4,500 (5,040)	4,259 (396)

Product: EFM™	Mulch Mix Rate: 50 lb (22.7 kg) per 83.3 gal (315 L) Load: 13.2 bales or 660 lb (299.4 kg) per 1,100-gal (4,164 L) tank
Application Rates lb/ac (kg/ha)	Area Covered per Hydroseeder Tank sq ft (sq m)
2,500 (2,800)	11,500 (1,068)
3,000 (3,360)	9,583 (890)
3,500 (3,920)	8,214 (763)
4,000 (4,480)	7,187 (668)
4,500 (5,040)	6,389 (594)

Product: Base Mulch	Mulch Mix Rate: 50 lb (22.7 kg) per 100 gal (379 L) Load: 11 bales or 550 lb (249.5 kg) per 1,100-gal (4,164 L) tank
Application Rates lb/ac (kg/ha)	Area Covered per Hydroseeder Tank sq ft (sq m)
1,500 (1,680)	15,972 (1,484)
2,000 (2,240)	11,979 (1,113)
2,500 (2,800)	9,583 (890)
3,000 (3,360)	7,986 (742)
3,500 (3,920)	6,845 (636)

Product: Biotic Soil Media™	Centrifugal Pump	Gear/Positive Displacement Pump
	BSM Mix Rate: 75 lb per 100 gal of water (34 kg/379 L) Load: 16.5 bales or 825 lb (374 kg) per 1,100-gal (4,164 L) tank	BSM Mix Rate: 100 lb per 100 gal of water (45.4 kg/379 L) Load: 22 bales or 1,100 lb (499 kg) per 1,100-gal (4,164 L) tank
Application Rates lb/ac (kg/ha)	Area Covered per Hydroseeder Tank sq ft (sq m)	Area Covered per Hydroseeder Tank sq ft (sq m)
3,500 (3,920)	10,268 (954)	13,690 (1,272)
4,000 (4,480)	8,984 (835)	11,979 (1,113)
4,500 (5,040)	7,986 (742)	10,648 (989)
5,000 (5,600)	7,187 (668)	9,583 (890)

1,100-Gallon Hydroseeder

Calibration for Various Rates and Mulches

Steps to Calibrate your Hydroseeder:

1. Use the table on the opposite side to find the application rate and product that best fits the site parameters.

Example: For a 1,100-gallon hydroseeder, apply High Performance-Flexible Growth Medium® (HP-FGM®) at 3,500 lb/ac.

2. Find the area that one tank of your hydroseeder will cover at the selected application rate.

Example: 5,476 ft² can be covered by one tank load.

3. Measure the length of the area that you will be hydroseeding and place a stake at each end.

Example: Photo 1 below has a length of 34 ft; place a stake at each end of the slope.

4. Divide the area from Step 2, by the length.

Example: 5,476 ft² ÷ 34 ft = 161 ft

5. The value derived here will be the width of the slope.

Example: Photo 1 below has a calculated width of 161 ft.

6. When marking off the rectangular shape, make sure the edges are parallel and all corners are 90-degree angles.

7. Load your hydroseeder with the required number of bales of mulch.

Example: 8.8 bales of HP-FGM is required.

(1,100-gal hydroseeder ÷ 125 gal/bale = 8.8 bales/hydroseeder)

8. Evenly apply the slurry from two directions throughout the entire rectangle until the tank empties.

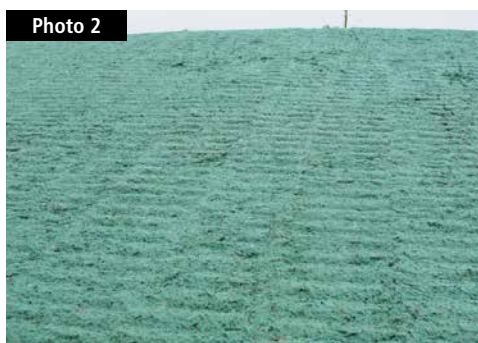
9. The result will be the desired rate per acre of coverage and a good visual reference of what the correct coverage should look like.

Calibration Rectangle

Pictured in Photo 1 to the right is an example of how to stake a calibration rectangle on your slope. Using the chart on the front of this sheet, find the area covered by one hydroseeder load at your preferred application rate. Measure and stake off the length of the slope, and solve for the width. You may then complete the calibration rectangle.



The two photos to the right are the same slope. The hydraulic mulch was applied from the bottom only. Photo 2 looks like suitable coverage and was taken from the bottom of the slope. Photo 3, which was taken at the top of the slope, shows a serious lack of coverage. These two pictures exemplify the importance of spraying slopes from two different directions for more even coverage.



Bottom looking upslope



Top looking downslope



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