



Metric Application Guide for ProGanics® DUAL™ Biotic Soil + Erosion Control

ProGanics® DUAL™ is mixed at a rate of 34 kilograms per 379 liters of water

Application / Loading Procedures

- A.** Strictly comply with equipment Manufacturer's installation instructions and recommendations. Use approved hydro-spraying machines with the appropriate nozzle whenever possible to achieve best soil coverage. Apply from opposing directions to assure uniform soil surface coverage.
- B.** To ensure proper application rates, measure and stake area.
- C.** Fill 1/3 of mechanically agitated hydroseeder with water. Turn pump on for 30-60 seconds to purge and pre-wet lines. Turn pump off.
- D.** Turn agitator on, open recirculation valve and load low density materials first (i.e. seed and Prescriptive Solutions).¹
- E.** Continue slowly filling tank with water while loading ProGanics® DUAL™ at a rate of 34 kilograms per 379 liters of water.
- F.** Consult loading chart on the back page to determine the number of bags to be added for desired area and application rate.
- G.** ProGanics DUAL should be completely loaded before water level reaches 75% of the top of tank.
- H.** Add fertilizer and other high density materials as water level approaches the top of the tank.
- I.** Top off with water and mix until ProGanics DUAL is fully broken apart and hydrated (minimum of 10 minutes — increase mixing time when applying in cold conditions). It is very important to fully hydrate ProGanics DUAL and activate the bonding additives to obtain proper viscosity and optimal performance.
- J.** Shut off recirculation valve to minimize potential for air entrainment within the slurry.
- K.** Slow down agitator(s) to minimum speed and start applying with an appropriate nozzle.
- L.** Spray in opposing directions for maximum soil coverage.
- M.** Upon completion of application, return to water source to repeat mixing and application sequence or to flush equipment. Thoroughly purge pump and all lines of residual materials from previous load. Monitor residual material in tank after purging; excess material may reduce number of bales to be mixed in.

Apply ProGanics DUAL as directed above being sure to include all Prescriptive Solutions, fertilizer and seed at their recommended rates.

¹ Do not add additional tackifiers or polymers to this pre-mixed formulation without first consulting Profile Products.

Metric Application Guide for ProGanics® DUAL™ Biotic Soil + Erosion Control

Loading Chart for ProGanics DUAL										
Working Capacity Size L (Gal)	# of 22.7 kg bales	kg	Displacement L (Gal)	4,480 kg/ha		6,160 kg/ha		7,290 kg/ha		
				m ²	ha	m ²	ha	m ²	ha	
946 (250)	3.75	85	1,060 (280)	190	0.019	138	0.014	117	0.012	
1,893 (500)	7.5	170	2,120 (560)	380	0.038	276	0.028	233	0.023	
2,839 (750)	11.25	255	3,180 (840)	570	0.057	414	0.041	350	0.035	
3,785 (1,000)	15	340	4,240 (1,120)	759	0.076	552	0.055	467	0.047	
5,678 (1,500)	22.5	510	6,359 (1,680)	1,139	0.114	828	0.083	700	0.070	
7,571 (2,000)	30	680	8,479 (2,240)	1,519	0.152	1,105	0.110	933	0.093	
9,464 (2,500)	37.5	850	10,599 (2,800)	1,898	0.190	1,381	0.138	1,167	0.117	
11,356 (3,000)	45	1,021	12,719 (3,360)	2,278	0.228	1,657	0.166	1,400	0.140	
13,249 (3,500)	52.5	1,191	14,839 (3,920)	2,658	0.266	1,933	0.193	1,633	0.163	
15,142 (4,000)	60	1,361	16,959 (4,480)	3,037	0.304	2,209	0.221	1,867	0.187	
18,927 (5,000)	75	1,701	21,198 (5,600)	3,797	0.380	2,761	0.276	2,333	0.233	

Application Rates		
% Organic Matter ¹	Slope Gradient	Metric (kg/ha)
< 5.0 and ≥ 1.5	≤ 4H:1V	4,480
< 1.5 and ≥ 0.75	> 4H:1V and ≤ 3H:1V	6,160
< 0.75	> 3H:1V and ≤ 2H:1V	7,290

For conversions:
 1 lb = 0.454 kg
 1 ac = 0.41 ha
 b/ac x 1.12 = kg/ha
 1 kg = 2.20 lb
 1 ha = 2.47 ac

¹ Based on Soil Test Results. Refer to Profile's Soil Testing and Interpretation Guide for more information.



Solutions for your Environment™

PROFILE Products LLC

750 W. Lake Cook Road • Suite 440 • Buffalo Grove, IL 60089
 800-508-8681 • +1-847-215-1144 • profileproducts.com

Profile and ProGanics are registered trademarks of PROFILE Products LLC. Biotic Soil Media, BSM, DUAL and Solutions for your Environment are trademarks of PROFILE Products LLC.

U.S. Patents #'s: 7,854,926; 8,728,460; 10,266,457 • Canada Patent #: 2,616,578



Find us on facebook.com/profileEVS

