



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

**ProGanics® DUAL™ is mixed at a rate of 75 pounds per 100 gallons 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).<sup>1</sup>
- E.** Continue slowly filling tank with water while loading ProGanics® DUAL™ at a rate of 75 pounds per 100 gallons 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 subsequent loads.

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

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

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Loading Chart for ProGanics DUAL

Working Capacity Size (gal)	# of 50-lb bales	lb	Displacement (gal)	4,000 lb/ac		5,500 lb/ac		6,500 lb/ac	
				Sq ft	Acres	Sq ft	Acres	Sq ft	Acres
250	3.75	188	280	2,042	0.047	1,485	0.034	1,257	0.029
500	7.5	375	560	4,084	0.094	2,970	0.068	2,513	0.058
750	11.25	563	840	6,126	0.141	4,455	0.102	3,770	0.087
1,000	15	750	1,120	8,168	0.188	5,940	0.136	5,026	0.115
1,500	22.5	1,125	1,680	12,251	0.281	8,910	0.205	7,539	0.173
2,000	30	1,500	2,240	16,335	0.375	11,880	0.273	10,052	0.231
2,500	37.5	1,875	2,800	20,419	0.469	14,850	0.341	12,565	0.288
3,000	45	2,250	3,360	24,503	0.563	17,820	0.409	15,079	0.346
3,500	52.5	2,625	3,920	28,586	0.656	20,790	0.477	17,592	0.404
4,000	60	3,000	4,480	32,670	0.750	23,760	0.545	20,105	0.462
5,000	75	3,750	5,600	40,838	0.938	29,700	0.682	25,131	0.577

Application Rates

% Organic Matter <sup>1</sup>	Slope Gradient	English (lb/ac)	Metric (kg/ha)
< 5.0 and ≥ 1.5	≤ 4H:1V	4,000	4,480
< 1.5 and ≥ 0.75	> 4H:1V and ≤ 3H:1V	5,500	6,160
< 0.75	> 3H:1V and ≤ 2H:1V	6,500	7,290

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

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



Solutions for your Environment™

PROFILE Products LLC

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



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## LOCATIONS & CONTACT INFO

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- Slope Stabilization

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#### Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

### SEDIMENT CONTROL

#### Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

#### Ditch Checks

- Triangle Silt Dike
- GeoRidge

#### Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

#### Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

#### Sediment Basin Skimmers

#### Dewatering Bags

#### Trackout Control

- FODS
- Rumble Grates

#### Turbidity Curtains

### EROSION CONTROL

#### Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

#### High-Performance Hydraulically Applied Products

- BFM
- FGM
- Additives & Tackifiers

#### Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

#### Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

#### Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

#### Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

### STORMWATER MANAGEMENT

#### Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

#### Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

#### Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

#### Inlet Structures

- PVC
- Drain Basis, In-Line Drains
- Landscape

#### Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

### SPECIALTY

#### Natural & Synthetic Coir Fiber Logs

#### Vegetated Reinforced Soil Slopes

#### Soil Anchors

#### Root Barrier System

#### AquaBlok

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