

Material Specification

HY-C1 - Straw & Cotton Plant Material Hydraulically-Applied Mulch

Description:

East Coast’s GroundControl HY-C1 is a short-term hydraulically-applied slurry composed of a patented blend of mechanically processed straw fibers, reclaimed cotton plant materials, performance enhancing tackifiers, and other proprietary additives. GroundControl HY-C1 creates a uniform protective layer that prevents raindrop splash erosion, absorbs rainfall and releases the moisture to provide optimal conditions for seed germination and rapid vegetative establishment. GroundControl HY-C1 is suitable for establishing vegetation on 3:1 or flatter slopes with an estimated functional longevity of 3 months.

Material Content

Mechanically Processed Straw:	84% ± 3%
Mechanically Processed Reclaimed Cotton Plant Material:	15% ± 3%
Proprietary Blend of Tackifiers, Activators and Additives:	<1%

Specifications

Content:	Straw/Reclaimed Cotton Plant Materials	
Total Organic Matter:	90	
Carbon to Nitrogen Ratio:	40 : 1	
Moisture Content:	12% ± 3%	
Color:	Natural Green	
pH (% wet basis):	N/A	
Light Penetration:	N/A	
C-Factor:	N/A	

Performance Values

Rainfall Event (R-Factor):	231.00
Cover Factor:	0.09
Percent Effectiveness:	91.00 %
Vegetation Establishment:	333 %

Packaging

Bag Size:	17" x 9" x 26"	
Bag Weight:	50 lbs (22.65 kg)	
Pallet:	40 bags	
Full Truck:	880 bags	

Slope Condition	Rate (lbs./acre)	Rate (kg/ha)
≤4:1	1500	1700
≤4:1<3:1	2000	2250
≥3:1<2:1	N/A	N/A
2:1	N/A	N/A
≥2:1≤1:1	N/A	N/A
1:1	N/A	N/A

Index Properties Test Method Typical Values

Mass Per Unit Area:	ASTM D6566	N/A
Thickness:	ASTM D6525	0.14 in. (3.6 mm)
Ground Cover:	ASTM D6567	92.30 %
Organic Matter:	ASTM D2974	93.64 %
Water Holding Capacity:	ASTM D7367	798 %
Acute Toxicity:	EPA 2021.0-1	Non-Toxic
Functional Longevity:	Observed	3-6 months
Cure Time:	Observed	N/A
Color:	Observed	Green (Observed)



Mixing and Application:

First fill tank of a mechanically agitated hydroseeding machine with sufficient water to suspend seed and fertilizers. Next add all soil amendments (seed, fertilizer, etc.). Continue adding water slowly while adding the GroundControl HY-C1 Mulch at a steady rate. Consult application and loading charts to determine the proper application rates. Mix at a rate of 50 lbs of GroundControl HY-C1 Mulch per 100 gallons of water. Confirm loading rates with equipment manufacturer. All mulch should be loaded when the tank is approximately ¾ full. Agitate for a minimum of ten minutes after adding the last amount of the mulch. For machines equipped with variable speed agitation, bring agitator to a slow roll before pumping while keeping engine RPMs high. Next apply in a uniform layer from two opposing directions to ensure complete soil coverage. Irregular surfaces may need slightly higher application rates to obtain adequate coverage. Apply over properly prepared seedbed. **Do not apply in channels, swales, or areas of concentrated flow unless accompanied with a Rolled Erosion Control Product**.

Another Product From:



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