

# HY-C4

## Ultra-Performance Straw & Cotton Plant Material Hydraulically-applied Mulch

### Description:

East Coast's GroundControl HY-C4 is 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-C4 requires no curing for soil erosion protection. An intimate bond is established with the soil's surface to create a continuous, porous, absorbent and flexible erosion control matrix allowing for rapid germination and accelerated plant growth. GroundControl HY-C4 creates a uniform protective layer that prevents raindrop splash erosion, absorbs rainfall and slowly releases the moisture to provide excellent conditions for seed germination and rapid vegetative establishment. GroundControl HY-C4 is suitable for establishing vegetation on 1:1 or greater slopes with an estimated functional longevity of 12 months.

### Composition:

Mechanically Processed Straw:	65% ± 3%
Mechanically Processed Reclaimed Cotton Plant Material :	25% ± 3%
Proprietary Blend of Tackifiers, Activators and Additives:	10% ± 1%

### Packaging:

Bag Size:	17" x 9" x 26" (42cm x 23cm x 66cm)
Bag Weight:	50 lbs (22.7 kg) ± 3%
Pallet:	40 bags
Full Truck:	880 bags
Packaging:	UV and weather resistance bag. Pallets are shrink-wrapped in plastic and covered.

### Specifications:

Content:	Straw/Reclaimed Cotton Plant Materials	
Total Organic Matter:	90.0%	
Carbon to Nitrogen Ratio:	38:1	
Moisture Content:	12% ± 3%	
Color:	Natural Green	
pH (% wet basis)	6.6	
Mass Per Unit Area	13.0 oz/yd <sup>2</sup>	ASTM D6566*
Thickness	.22 inch	ASTM D6525*
Light Penetration	< 2%	ASTM D6567*
C-Factor	.001**	ASTM D6459**

\*Modified Test Process

\*\*Large-Scale Results obtained by 3<sup>rd</sup> Party GAI Accredited Independent Laboratory

### Application Rate:

Slope Conditions	Rate (English)	Rate (SI)
≤4:1	2,500 lbs/acre	2,800 kg/ha
≥4:1 < 3:1	3,000 lbs/acre	3,400 kg/ha
≥3:1 < 2:1	3,500 lbs/acre	3,900 kg/ha
2:1	4,000 lbs/acre	4,500 kg/ha
>2:1 ≤ 1:1	4,500 lbs/acre	5,100 kg/ha

### 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-C4 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-C4 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**

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All Value Properties, Test Results and Design Values were derived from independent laboratory testing. East Coast Erosion Control will not be held liable for any type of damage or losses, directly, or indirectly for failure of this product. Current revision supersedes all previous versions.