

**Material Specification**



# High-Performance Straw & Cotton Plant Material Hydromulch

**Description:**

East Coast’s Ground Control HY-C3 High Performance BFM Hydromulch is an extended-term hydraulically applied slurry composed of a patent-pending blend of mechanically processed straw fibers, reclaimed cotton plant materials, and proprietary-performance enhancing tackifiers. HY-C3 Hydromulch creates a flexible 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. HY-C3 is suitable for establishing vegetation on 1:1 or flatter slopes with an estimated functional longevity of 6 months.

**Composition:**

Mechanically Processed Straw: 70% ± 3%  
 Mechanically Processed Reclaimed Cotton Plant Material : 20% ± 3%  
 Proprietary Blend of Tackifiers, Activators and Additives: 10% ± 1%

**Packaging:**

Bag Size: 17”x 9” x 26” (42cmx23cmx66cm)  
 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 with cover

**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. oz/yd<sup>2</sup> ASTM D6566\*  
 Thickness .195 inch ASTM D6525\*  
 Light Penetration 98% ASTM D6567\*  
 C-Factor .003\*\* ASTM D6459\*\*

**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 < 1:1	4,000 lbs/acre	4,500 kg/ha
1:1	4,500 lbs/acre	5,000 kg/ha

\*Modified Test Process

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

**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 East Coast HY-C3 Mulch at a steady rate. Consult application and loading charts to determine the proper application rates. Mix at a rate of 50 lbs of East Coast HY-C3 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

**Another Product From:**

