



## MATERIAL SPECIFICATION

# HydraCM

## Steep Slope Matrix



The North American Green HydraCM Steep Slope Matrix shall be a hydraulically-applied matrix composed of a patent-pending blend of mechanically processed straw fibers, reclaimed cotton plant material, and proprietary performance-enhancing tackifiers. The HydraCM mulch is design for soil erosion protection, and establishes an intimate bond upon application with the soil's surface to create a continuous, porous, absorbent and flexible erosion control matrix that allows for rapid germination and accelerated plant growth.

### Composition:

All components of the HydraCM mulch shall be pre-packaged by the Manufacturer to assure material performance and in compliance with the following values. **Under no circumstances will field mixing of additives or components be accepted.**

Mechanically processed Straw – 70% ± 3%

Mechanically processed Reclaimed Cotton Plant Material– 20 % ± 3%

Proprietary Hydro-Colloid Tackifiers – 10% ± 1%

### Specifications:

Content: Straw/Reclaimed Cotton Plant Material

Packaging: 50 lbs (23 kg) +/- 3%

Total Organic Matter: 90.0

Moisture Content: 12% ± 3%

Color: Natural Green

### Packaging:

Bags are filled with 50 lbs (23 kg) of material and packaged in a UV and weather-resistant bag. Each pallet contains 40 bags or one ton with a plastic pallet cover for enhanced protection from rain and UV rays.

### Manufacturing:

HydraCM is manufactured exclusively for North American Green by Mulch & Seed Innovations, LLC, Centre, Alabama. HydraCM is manufactured within a set of quality guidelines established after years of product development and rigorous testing in varying conditions.

### Application Instructions\*:

1. Fill tank of a mechanically agitated hydroseeding machine with sufficient water to suspend seed and fertilizers. Add soil amendments.
2. Continue to add water slowly while adding HydraCM at a steady rate. Mix at a rate of 50 lbs of HydraCM per 100 gallons of water.
3. Agitate for a minimum of fifteen minutes after adding the last amount of water and HydraCM.
4. Apply in a uniform layer from two opposing directions to ensure complete soil coverage. Use loading chart to determine the proper application rates. Irregular surfaces may need slightly higher application rates to obtain adequate coverage.
5. Clean equipment properly to ensure HydraCM is removed from the pump, tank, and hoses.

Not for use in channels, swales, or other areas where concentrated flows are anticipated, unless installed in conjunction with a temporary erosion control blanket or permanent reinforcement mat. HydraCM may be applied on saturated surfaces. Do not allow foot traffic or grazing on treated areas until vegetated. Be cautious of slippery surfaces while applying.

Warning: Do not store near an open flame or heat source. Use caution when stacking units.

\* See Installation guide for more detailed information regarding application of the HydraCM