

# THE NATURAL PROGRESSION

HYDROSTRAW  
**BONDED  
FIBER MATRIX...**  
...another  
innovative  
hydroseeding  
product from  
HydroStraw

Bonded Fiber Matrix

- Erosion Prevention for Steep Slopes
- Facilitates Vegetation
- More Cost Effective than Blankets
- Costs Less to apply Per Acre than Conventional BFM Mulches
- Long Natural Fibers for Maximum Matrix Entanglement
- (V.E.M.) Vegetation Establishment Mulch
- Contains 10% Proprietary Formulated Soil Binding Agents
- Contains 10% Natural Fibers for Matrix Entanglement
- Load More Spray More – Use Less Water

HydroStraw Bonded Fiber Matrix is designed to be more cost effective than blankets and cost less to apply per acre than conventional BFM mulches on difficult sites, slopes, and adverse soil conditions where extra erosion prevention is needed. The product includes long natural fibers for maximum matrix entanglement for improved performance. The combination of fiber entanglement in conjunction with our cross linked high-strength polymer binders produce great erosion prevention and vegetation establishment.



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## VEGETATION ESTABLISHMENT MULCH

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### DESCRIPTION

HydroStraw® Bonded Fiber Matrix is a hydraulically applied mulch with a specially formulated composition of annually renewable wheat straw fibers, natural fibers for fiber matrix entanglement, and a non-toxic soil stabilizer.

### SPECIFICATIONS

HydroStraw Bonded Fiber Matrix in field tests has shown that the annually renewable heat and mechanically treated straw fibers in this product improves seed's germination and vegetation establishment. Research has shown that vegetation is many times better than temporary mulches in erosion prevention. Thereby the ultimate goal is creating an environment for rapid vegetation establishment with seed friendly wheat straw fibers.

HydroStraw Bonded Fiber Matrix consists of annually renewable heat and mechanically treated wheat straw fibers, environmentally safe fibers that are biodegradable, and a non-toxic green colorant to aid in application. Field tests have shown HydroStraw mulch protects soil and enhances seed germination and vegetation establishment as the fibers bio-degrade. (V.E.M. Vegetation Establishment Mulch).

#### HYDROSTRAW PROVIDES IMPROVED VEGETATION STANDS



| COMPOSITION                                      |              |
|--|--------------|
| Heat & Mechanically Treated™ (HMT) - wheat straw | 68.0% ± 1.0% |
| Natural Fibers                                   | 12.0% ± 1.0% |
| Moisture 10.0% ± 1.0%                            | 10.0% ± 1.0% |
| Proprietary Tackifiers                           | 10.0% ± 1.0% |

| MIXTURE RATES |                        |                      |
|---------------|------------------------|----------------------|
| Hose Work     | 60 lbs per 100 gallons | 27 kg per 379 Liters |
| Tower Work    | 75 lbs per 100 gallons | 34 kg per 379 Liters |

\*Hose Work Rate may vary dependent on hydroseeder type and/or size and length of hose used

| SLOPE GRADIENT/<br>CONDITION | LB/ACRE              | KG/HECTARE          |
|------------------------------|----------------------|---------------------|
| ≤ 3:1                        | 3,000 lbs/ac         | 3,350 kg/ha         |
| ≤ 2:1                        | 3,500 lbs/ac         | 4,000 kg/ha         |
| ≤ 1:1                        | 4,500 lbs/ac         | 5,050 kg/ha         |
| Soil Moisture Retention      | 2,000 - 3,500 lbs/ac | 2,250 - 4,000 kg/ha |



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