



# HydroStraw® Cellulose Fiber Plus

## Hydraulic Mulch



Solutions for your Environment™

### Description

HydroStraw® Cellulose Fiber Plus is a biodegradable, High Efficiency Hydraulic Mulch (HM) composed of renewable Heat & Mechanically Treated™ (HMT™) wheat straw fibers, refined pulp fibers and hydrocolloidal polymers. The HM is free of weed seeds and pathogens, contains no plastic components or recycled paper/newsprint, and upon application forms an intimate bond with the soil surface to create a porous, absorbent and flexible erosion resistant blanket that allows for rapid germination and accelerated plant growth.

### Recommended Applications

- Erosion control and revegetation
- Alternative to Blown Straw (Dry-Applied)
- Rough graded slopes
- Enhancement of vegetation establishment

### Technical Data

Physical Properties	Test Method	Units	Tested Value
Specification for Hydraulically-Applied Wheat Straw	ASTM D8202	Compliant	Yes
Water Holding Capacity	ASTM D7367	%	≥ 1,200
ISTA Weed Free <sup>1</sup>	Purity Analysis	Pass/Fail	Pass
Material Color	Observed	n/a	Green

Performance Properties	Test Method	Units	Tested Value
Functional Longevity <sup>2</sup>	Observed	Months	≤ 6

Environmental Properties	Test Method	Units	Tested Value
Ecotoxicity	EPA 2021.0	Non-toxic	Yes
Elemental Impurity Limits	ASTM D8082	Pass/Fail	Pass
Biodegradability	ASTM D5338	n/a	Yes
USDA Certified Biobased Content <sup>3</sup>	ASTM D6866	%	98



Product Composition	Typical Value
Heat & Mechanically Treated™ (HMT™) Wheat Straw	68%
Refined Pulp Fibers	30%
Hydrocolloidal Polymers	2%

1. HMT™ Wheat Straw sample is analyzed by an accredited International Seed Testing Association (ISTA) laboratory. 2. Functional Longevity is the estimated time period, based upon field observations, that a material can be anticipated to provide erosion control and agronomic benefits as influenced by composition, as well as site-specific conditions, including; but not limited to – temperature, moisture, light conditions, soils, biological activity, vegetative establishment and other environmental factors. 3. The BioPreferred Program is a USDA-led initiative that aims to assist in the development and expansion of markets for biobased products.

### Packaging Data

Properties	Test Method	Units	Nominal Value
Bag Weight	Scale	kg (lb)	22.7 (50)
Bags per Pallet	Observed	#	40

UV and weather-resistant plastic bags. Pallets are weather-proof stretch wrapped with UV resistant pallet cover.

### Profile Products

750 Lake Cook Road, Ste. 440  
Buffalo Grove, IL 60089  
800-508-8681 or +1-847-215-1144  
[www.profileproducts.com](http://www.profileproducts.com)

To the best of our knowledge, the information contained herein is accurate. However, Profile Products cannot assume any liability whatsoever for the accuracy or completeness thereof. Final determination of the suitability of any information or material for the use contemplated, of its manner of use and whether the suggested use infringes any patents is the sole responsibility of the user.  
Profile Products 2020©