

# HydraFiber® Ultra

Consistent, Reliable, Proven  
Engineered Substrate



## ABOUT HYDRAFIBER ULTRA

Original HydraFiber Ultra quickly became a game changer for professional greenhouse growers across the globe. Customers are seeing better margins, whether it's from improved root development and overall plant quality, cost relief, inventory management, shelf life, operational efficiencies or environmental benefits. HydraFiber Ultra is an engineered fiber substrate that is 98% porous and features an extremely low bulk density (1.6 lbs/ft<sup>3</sup> = 26 kg/m<sup>3</sup>). Due to its highly compressed nature, HydraFiber Ultra is the most economical raw material of our product line, delivering the best cost savings to growers.

## PRODUCT USE

HydraFiber is the ideal substrate for growers who want to increase margin, improve performance, and drive consistency in their mixes. Available in 2.7 cu ft (.077 m<sup>3</sup>) compressed bales with specialized equipment, or in 95 cu ft (2.7m<sup>3</sup>) compressed tower form for storage efficiency and easier processing.



CONTROL: PEAT 70%:  
PERLITE 30%



PEAT 70%:  
HYDRAFIBER ULTRA 160WB 30%



PEAT 50%:  
HYDRAFIBER ULTRA 160WB 50%



PEAT 30%:  
HYDRAFIBER ULTRA 160WB 70%

## PROVEN AT HIGHER INCLUSION RATES

With shortages or complete unavailability of offshore raw materials, several North American growers have increased their HydraFiber rates to 50% with great success in finishing their crops and growing year-round without interruption.

- Recent lab tests conducted by RHP certified the suitability of using HydraFiber Ultra at rates of up to 50% in the growing mix, without needing to increase nitrogen rates. Located in the Netherlands, RHP is widely recognized around the world for more than 55 years of expertise in monitoring and certifying the quality of substrates.
- Several independent university trials have thoroughly vetted higher HydraFiber inclusion rate performance across a broad range of crops.

Comprehensive trial results are available; contact your HydraFiber Regional Sales Manager for a presentation customized to your crop needs.

## CUSTOMER TESTIMONIAL

“We began at 30% HydraFiber but moved to a 50/50 blend of HydraFiber 160 and Peat on all crops in just months. Soil costs decreased, plants root faster and better, we water less and plants hold water better in the store.”

- Jeff Murphy, Operations Manager of Production and Maintenance, Altman Plants

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## OPTIONS TO MEET EVERY GROWING NEED



CHEMICAL CHARACTERISTICS	SPECIALTY SHORT FIBER	ULTRA 065 BALES	ULTRA 160 BALES	ULTRA 160 TOWERS	ULTRA 365 BALES	ULTRA 365 TOWERS
pH	4.4 +/- 0.4			4.5 +/- 0.4		
EC (mS/cm)	0.01 - 0.20			0.01 - 0.19		
MOISTURE CONTENT <sup>^</sup>	22% +/- 4%			22% +/- 4%		
ORGANIC MATTER <sup>^^</sup>	97.5% +/- 0.2%			99.7% +/- 0.2%		

PHYSICAL CHARACTERISTICS*	SPECIALTY SHORT FIBER	ULTRA 065 BALES	ULTRA 160 BALES	ULTRA 160 TOWERS	ULTRA 365 BALES	ULTRA 365 TOWERS
TOTAL POROSITY	90 - 95%	93 - 97%	96 - 99%	96 - 99%	96 - 99%	96 - 99%
CONTAINER CAPACITY (WHC)**	70 - 75%	49 - 55%	42 - 49%	42 - 49%	35 - 42%	35 - 42%
AIR PORE SPACE (AS)	15 - 20%	39 - 47%	48 - 55%	48 - 55%	58 - 63%	58 - 63%
EXPECTED FIBER LIFE SPAN	1 YEAR	1 YEAR	2.5 YEARS	2.5 YEARS	3-5 YEARS	3-5 YEARS
APPROXIMATE LOOSE BULK DENSITY***	1.6 lbs/ft <sup>3</sup> 26 kg/m <sup>3</sup>	1.6 lbs/ft <sup>3</sup> 26 kg/m <sup>3</sup>	1.6 lbs/ft <sup>3</sup> 26 kg/m <sup>3</sup>	2.1 lbs/ft <sup>3</sup> 34 kg/m <sup>3</sup>	1.6 lbs/ft <sup>3</sup> 26 kg/m <sup>3</sup>	2.1 lbs/ft <sup>3</sup> 34 kg/m <sup>3</sup>
APPROXIMATE YIELD PER PALLET****	1250 ft <sup>3</sup> 35m <sup>3</sup>	1250 ft <sup>3</sup> 35m <sup>3</sup>	1250 ft <sup>3</sup> 35m <sup>3</sup>	565 ft <sup>3</sup> 16m <sup>3</sup>	1250 ft <sup>3</sup> 35m <sup>3</sup>	565 ft <sup>3</sup> 16m <sup>3</sup>

<sup>^</sup>Measured on weight basis

<sup>^^</sup> Loss on Ignition (ASTM D586-19)

\* Derived from Porometer Test Method-NCSU Substrates Lab

\*\* WHC = Water-Holding Capacity

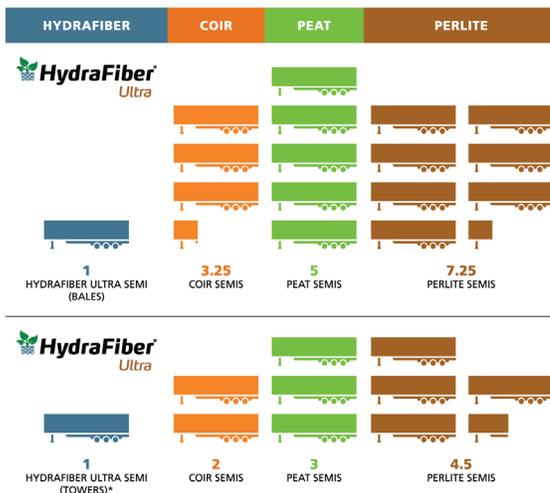
\*\*\* HydraFiber Processing Unit

†EN12580

Note: If not using HydraFiber processing equipment, yield could be 20 - 30% less per pallet.

### IMPROVED BUSINESS EFFICIENCIES

Every HydraFiber product offers highly compressed material, requiring fewer truckloads compared with competitive materials!



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