

# PRODUCT AND SALES INQUIRIES

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ENVIRONMENTALLY  
FRIENDLY



PH NEUTRAL



IDEAL ROOT  
ENVIRONMENT



WATER  
HOLDING



CARBON  
CAPTURING

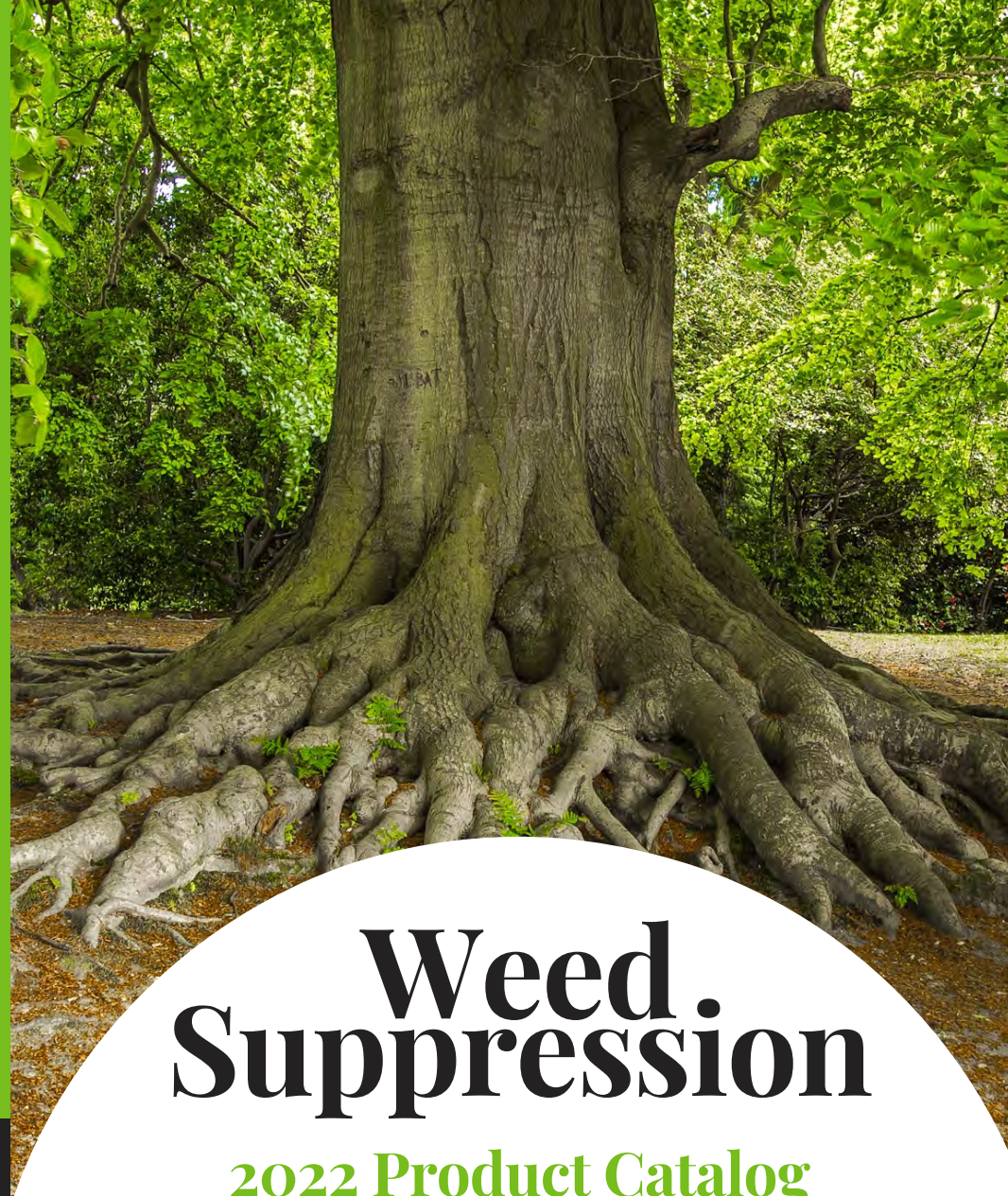


100% BIODEGRADABLE  
AND COMPOSTABLE



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At Terrafibre, we design and build products that utilize the extraordinary mechanical qualities of the industrial hemp plant, most of which was previously considered waste. The strong yet lightweight fibres of the plant provide a sustainable growing media for hydroculture and agriculture from seed propagation through to harvest.



## Weed. Suppression

2022 Product Catalog

**terrafibre**<sup>TM</sup>

by  
BIOCOMPOSITES  
GROUP 



## TREE SQUARES

Terrafibre Tree Squares improve the growth and survival of a tree seedling by preventing weeds from germinating or growing. When placed on the soil around the base of a tree seedling, Terrafibre protects seedlings from competitive weeds stealing light, nutrients, and moisture. The insulation properties of hemp ensure protection from temperature extremes, providing an ideal growing environment for a tree seedling.

## QUALITY ASSURANCE

### Production:

- Density is tested regularly throughout production by weighing samples bi-hourly
- Product is consistently monitored by multiple operators. If any variability is noticed, the mat is removed and tested again

### Square sizing and slit:

- Using a die mold ensures consistent sizing

### Sorting and packaging:

- Every square is again inspected for quality assurance
- Counting is done manually

## MATERIALS

Terrafibre consists of 100% Canadian hemp fibres that are needle punched into a biodegradable pulp backing.

40% of the backing consists of post consumer recycled material.

This backing increases the strength of the squares and also increases the suppressing properties.

Hemp is a natural, renewable and fully biodegradable resource that will fully break down in 3-4 years.

## WEED CONTROL BLANKET

Terrafibre Natural Weed Control is a blanket made from the fibrous component of the industrial hemp plant. The blanket is fully biodegradable and is used for suppressing unwanted weeds in various landscape situations. The thick, 1000 gram per square metre blanket allows zero light penetration which effectively suppresses weeds, prevents soil erosion, and preserves soil moisture. The insulation properties of hemp ensure protection from temperature extremes ensuring an ideal growing environment for trees, flowers, and shrubs it surrounds.



## TREE SQUARE INSTALLATION METHOD



Take one Terrafibre Tree Square



Place the square white side down around tree seedling, ensuring both edges in slit are touching



Hammer two stakes in diagonal corners to firmly secure square



Terrafibre Tree Squares will suppress unwanted weeds while promoting seedling growth.

## SPECIFICATIONS

TEST DESCRIPTION	TEST METHOD	TEST RESULTS
Water Absorption	ASTM D 1117 / ECTC	1032.4%
MD-Tensile Properties	ASTM D 6818	31.0 lb/in
TD-Tensile Properties	ASTM D 6818	24.0 lb/in
MD-Elongation	ASTM D 6818	95.2%
TD-Elongation	ASTM D 6818	74.6%
Thickness	ASTM D 6535	0.50 inches
Light Penetration	ASTM D 6567	0%
Mass/Unit Area	ASTM D 6475	1000/gsm
Shear Stress	ASTM D 7207	6 lbs/ sq ft
Dimensions		12"x12" 16"x16" 18"x18"
Longevity		1 to 2 years

STANDARD ROLL SIZE (WEED SUPPRESSION BLANKET)		
Width	4.0 ft (1.2 m)	8.0 ft (2.4 m)
Length	50 ft (15.25 m)	50 ft (15.25 m)
Weight	41 lbs (18.58 kg)	82.5 lbs (37.4 kg)
Area	200 sq ft (18.58 sq m)	400 sq ft (37.16 sq m)
MATERIAL		
Fibre	Industrial Hemp Fibre	
Scrim Backing	Cellulose Based Rayon Fibre	