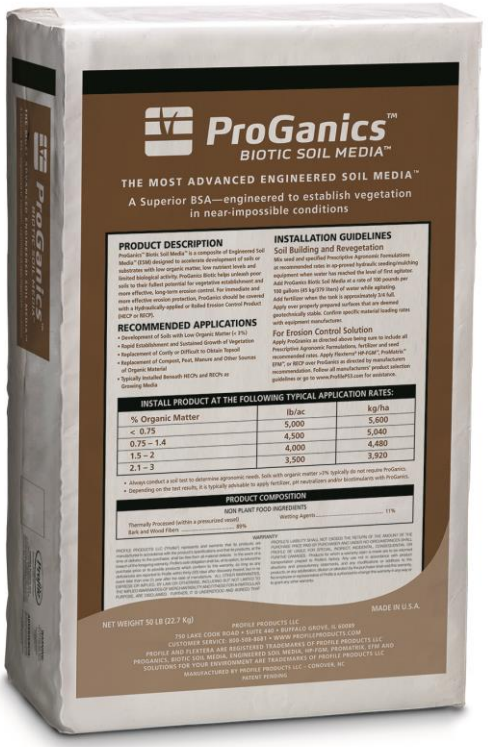
Introducing

ProGanics™

BIOTIC SOIL MEDIA™



Profile®

Solutions for your Environment™

ProGanics™ Biotic Soil Media™

"The World's Most Advanced Biotic Soil Media"

- **ProGanics™ Biotic Soil Media™** is a patent pending composite of Engineered Soil Media™ (ESM™) designed to accelerate development of soils and substrates with low organic matter, low nutrient levels and limited biological activity
- **ProGanics** helps build poor soils to their fullest potential for vegetative establishment and more effective, long-term erosion control
- **Effective alternative** to expensive and hard to find sources of topsoil as well as compost, peat, manure and other sources of organic material
- **BSM** improves soils by adding organics and biostimulants, but also create an ideal growing environment

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ProGanics Composition Benefits

The ProGanics **Patent Pending** formulation innovated using time proven components from the horticultural and erosion control industries.

- **Renewable Thermally Refined® Bark and Wood Fibers** – to provide renewable organic matter, high moisture retention & maximum coverage; phyto-sanitized to eliminate weed seeds and pathogens.
- **Biochar** – derived from pyrolysis of wood sources – to create stable, porous particles that demonstrate a high Cation Exchange Capacity, a high ability to hold water and nutrients and act as prime habitat for beneficial bacteria and fungi
- **Cross-linked Polysaccharide Biopolymers** – to increase water holding capacity, increase viscosity and bond strength of media matrix
- **Proprietary Formulation of Fast-Acting and Sustained Release Soil Building Components Containing Seaweed Extract, Humic Acid and EndoMycorrhizae** — have been proven under demanding conditions in a wide variety of environments

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ProGanics Provides a Cost-Effective Alternative to Imported Topsoil

36 TRUCKS OF TOPSOIL*

=

2 TANKLOADS OF PROGANICS*

3,500–5,000 lb/ac · 3,900–5,600 kg/ha

*Amount needed to cover 1 acre (0.4 ha) with 4 in (10 cm) of topsoil. The depth is dependent on quality, density and availability of topsoil.

*3,000 gallon capacity per truck.

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Cannonsburg Trail,
Michigan
July 2015

July 28, 2015

August 12, 2015

August 25, 2015

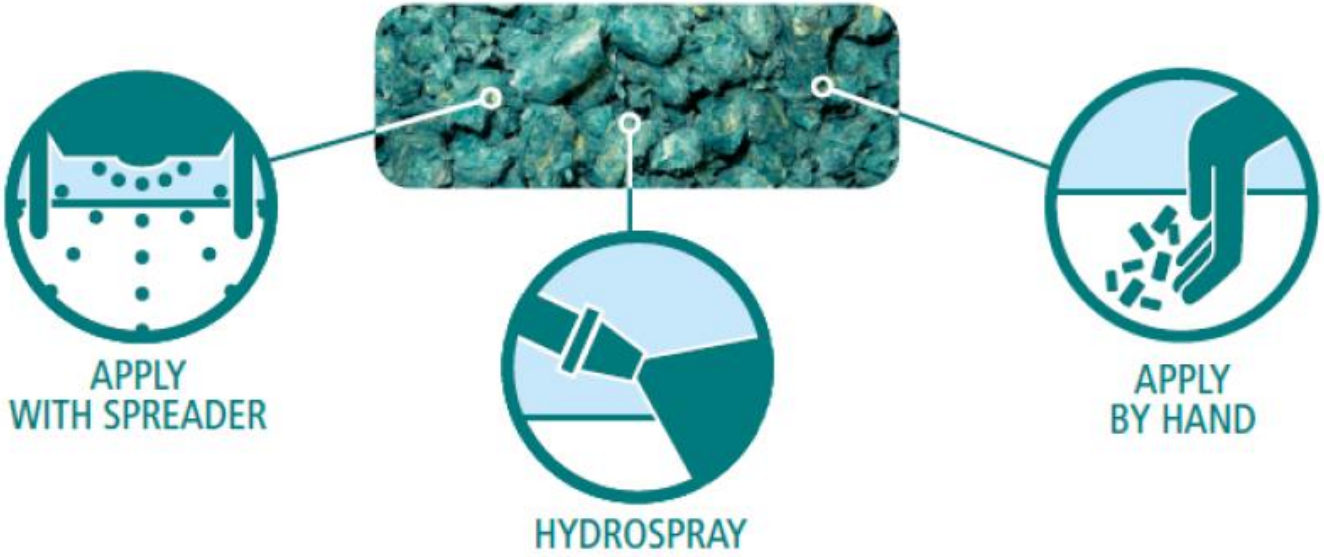
August 25, 2015

August, 2016

Seed Aide® CoverGrow™

SPREAD OR SPRAY

Mulching Granules



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Seed Aide®

CoverGrow™

SPREAD OR SPRAY

Mulching Granules

CoverGrow™ quickly and easily establishes vegetation no matter what your application method. It's the perfect solution for bare spots, dead patches, irregular shaped areas and roadside strips.

Futerra® F4 NETLESS®

Futerra® ENVIRONET™

FUTERRA® F4 NETLESS®

Roll Dimensions	Roll Area	Average Weight	Rolls/ Pallet	Truckload Quantity
3.25' x 90' 1 m x 27.4 m	32.5 yd^2 27.4 m^2	10.5 lb 4.8 kg	32	24,960 yd^2 20,866 m^2
6.50' x 90' 2 m x 27.4 m	65 yd^2 54.8 m^2	20.5 lb 9.32 kg	16	24,960 yd^2 20,866 m^2

FUTERRA® ENVIRONET™

Roll Dimensions	Roll Area	Average Weight	Rolls/ Pallet	Truckload Quantity
3.33' x 135' 1 m x 41 m	50 yd^2 41 m^2	17 lb 7.7 kg	32	38,400 yd^2 31,488 m^2
6.83' x 135' 2.1 m x 41 m	102.5 yd^2 86.1 m^2	36 lb 16.3 kg	16	39,360 yd^2 33,062 m^2

ProMatrix™

Engineered Fiber Matrix (EFM)

NEW PROMATRIX ENGINEERED FIBER MATRIX TECHNOLOGY DELIVERS:

- **HIGHEST-LOADING FORMULATION** with BFM performance; 60 pounds per 100 gallons of water
- **CLASS LEADING** erosion control effectiveness meets or exceeds all industry testing standards for BFM/SMM products
- **LASTING PERFORMANCE** with a Functional Longevity of up to 12 months
- **QUICK GERMINATION** and rapid vegetative establishment
- **ENVIRONMENTALLY SAFE;** it's non-toxic, contains 100% recycled wood fibers and is 100% biodegradable

20% Fewer Tank Loads Per Job

Profile®
Solutions for your Environment™

SprayMatrix™ Fiber Reinforced Matrix (FRM)

APLICACIÓN RECOMENDADA	
PENDIENTE MÁXIMA	kg/ha
≤ 4H a 1V	2800
≤ 3H a 1V	3360
≤ 2H a 1V	3920
≤ 1H a 1V	4480
> 1H a 1V	5040

- ✓ Premium erosion control performance
- ✓ Extended functional longevity
- ✓ Easy mixing and hydraulic application
- ✓ Fewer call backs
- ✓ Slope protection
- ✓ Improved germination and plant establishment

Profile
Solutions for your Environment™

SprayMatrix™ Fiber Reinforced Matrix (FRM)

SprayMatrix™ Fiber Reinforced Matrix (FRM)

SprayMatrix™ FRM = Fewer Call Backs!

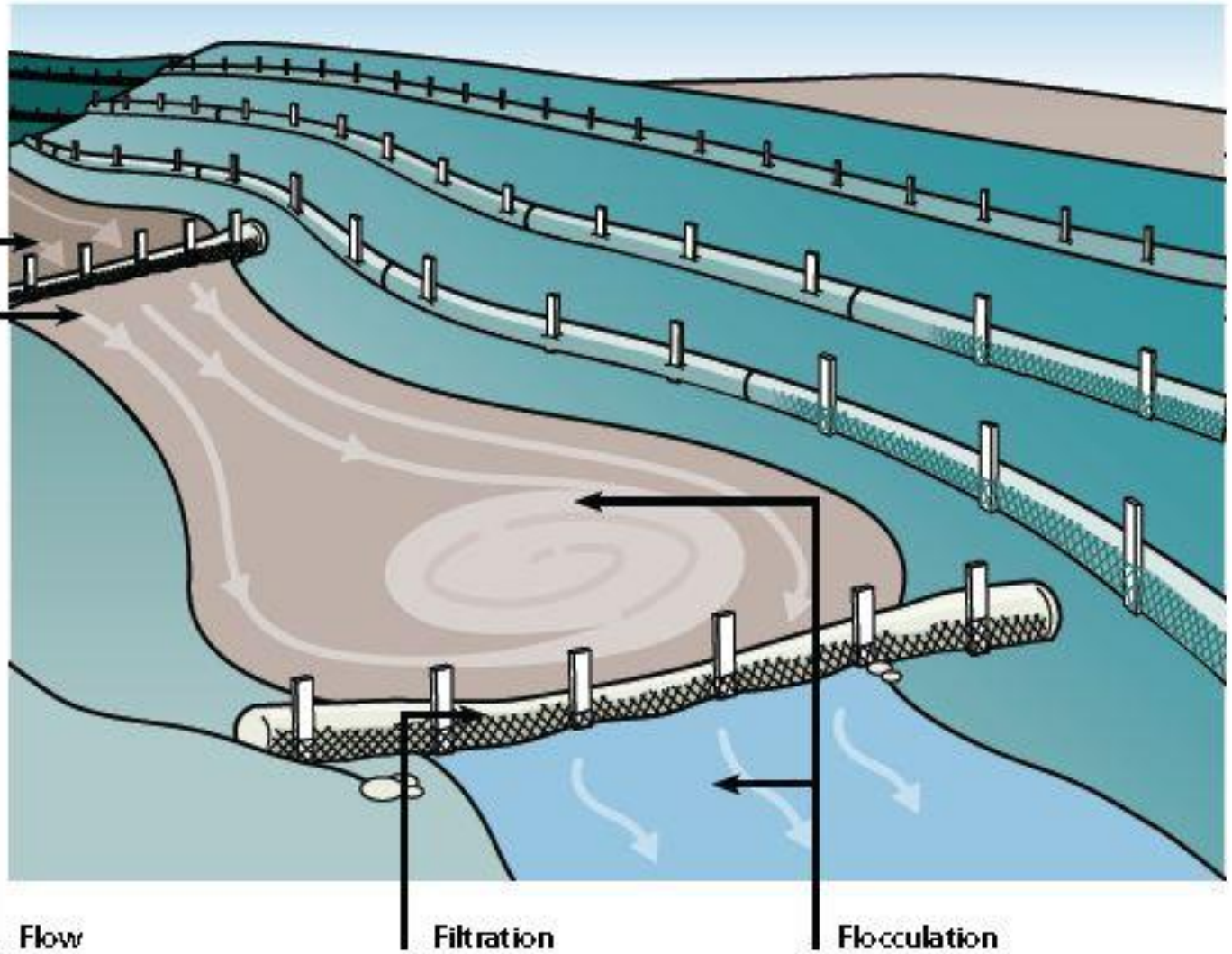
Los Angeles, California
Griffith Park Fire
Revegetation Effort

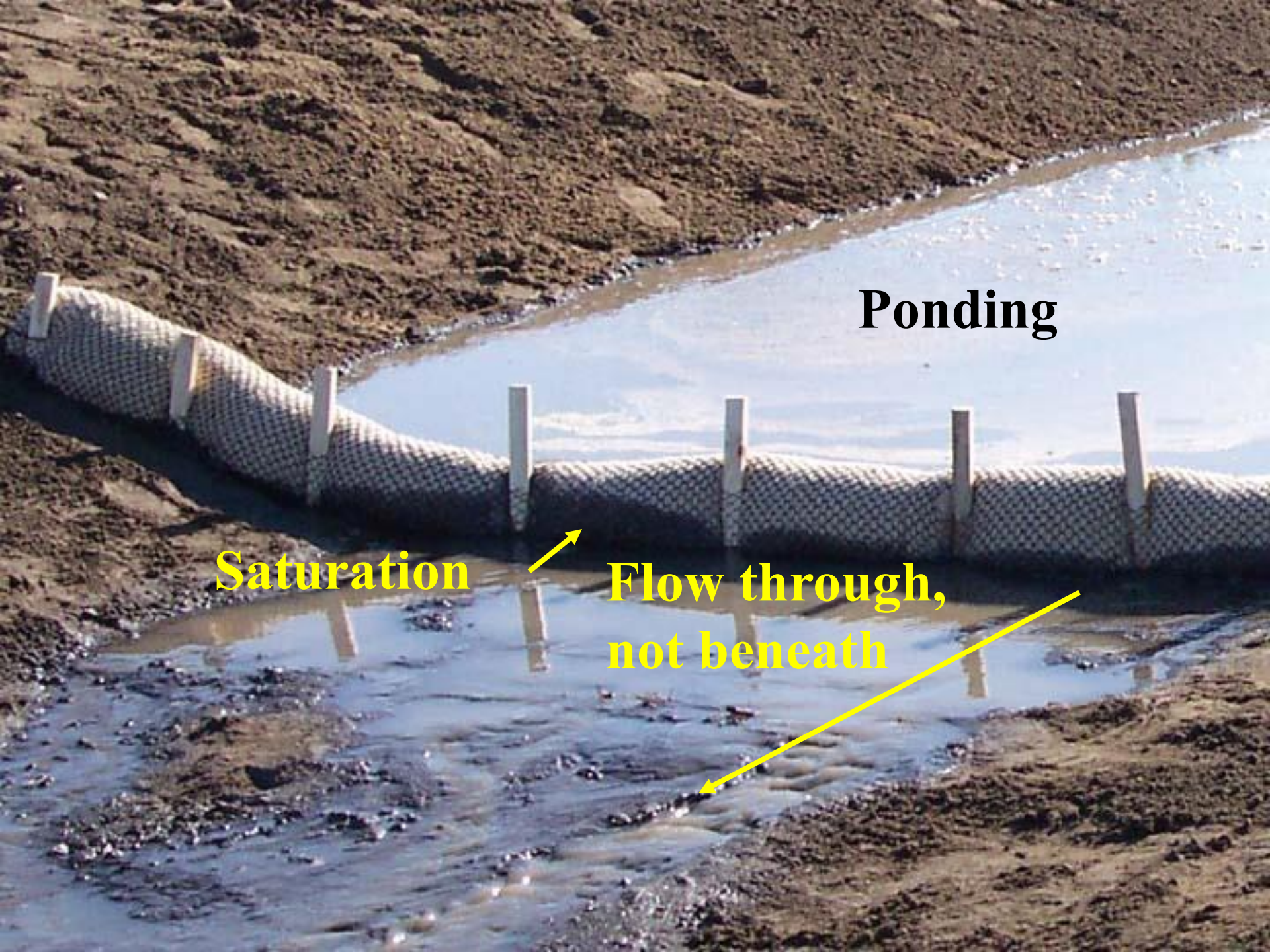
Sochi, Russia
2014 Winter Games
Fall 2012

Sochi, Russia
October 2013

TERRA-TUBES

Fiber Filtration Tubes




Ponding
Saturation
Flow through,
not beneath

Better here
than in an
impaired
waterway!

Downstream
Upstream
99% Reduction in Turbidity!

Caltrans Highway 154
JAN 11 2005

05/23/2006

Panama Canal : La Pita – Culebra Cut

Heavy Rains during Wet Season

Panama Canal : La Pita – Culebra Cut : 30 Days

Power Substation
USA
2009 2 25

05/07/2009

GREENARMOR SYSTEM

Ultimate Root Reinforcement

Profile®
Solutions for your Environment™

Ditches and Channels

Green Armor Solution Replaces Past Issues

Profile®
Solutions for your Environment™

GREENARMOR
SYSTEM

11.27.2007

GreenArmor at
17 lb/ft2 of Shear Stress
(814 N/m2)

Profile Soil Solutions Software

PS3

PROFILE SOIL SOLUTIONS
SOFTWARE

www.profileps3.com

"In the Ground, On the Ground and By Your Side"

Profile
Solutions for your Environment™