

# SOIL-FIX Stabilizer and Soil Conditioner



## PRODUCT DESCRIPTION

**SOIL-FIX** is a soil conditioner and surface stabilizer, made of water soluble, Poly-acryl amide (PAM) and is specifically designed for use in hydroseeding operations.

Its function is to both lessen soil erosion due to surface water runoff and increase soil permeability.



No product toxicity has been identified in either water or soil.

**SOIL-FIX** has been approved in the United States by the FDA (Food & Drug Administration) as well as by the French Ministry of Health.



## ACTION FIELDS

This stabilizer/conditioner is active on 3 levels :

### Increases cohesion in soils with poor structure and reduces leaching :

Fewer sediments are carried away by runoff water  
95% less erosion on average  
84% less leaching of nutrients (phosphates and nitrates) on average

### Improves soil porosity:

Improves water infiltration into the soil  
35% gain over silty clay soils, and a 50% gain over clay soils.

### Provides higher germination and rooting rate:

35% enhancement for plants sensitive to crusted and/or capped soils

In order to learn more about this, please visit the 'European Hydroseeding Guide' (currently only available in French) on our site [www.euro-tec.fr](http://www.euro-tec.fr)

## SPECIFICATIONS & PERFORMANCE

Composition	Made of water-soluble anionic polymers with a high molecular weight
Viscosity	Brookfield viscosity @ 5.0 g/l equal to 1,800 cps
Appearance	White powder
Degradation process	When exposed to UV light and under microbiological action, SOIL-FIX naturally breaks down in the soil into CO <sub>2</sub> , H <sub>2</sub> O and ammonium nitrate. The nitrogen group of the molecule is rapidly consumed by soil bacteria, while on the other hand the carbon group decomposes by 10 % to 15 % a year
Soil erosion protection (months)	😊 6 months
Viscosity @ 5.0 g/l	😊
Water mixing ratio	300 gr SOIL-FIX to 1 000 L of water

## APPLICATION RATE\*

Slope Steepness	Slope Length	Constraints (low, medium,high)	Average Application Rate*
< 1:1	12 m	Medium to High	12 Kg/Ha
< 2:1			7 Kg/Ha
< 4:1			5 Kg/Ha

\* Average indicative value, requiring adjustment depending on specific soil characteristics

## PACKAGING

Box with 25 one kg bags, or one 25-kg bag.