

# SOIL-FIX

## SOIL STABILIZER

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 F D A (Food&Drug Administration) as well as by the French Ministry of Health.



### ACTION FIELDS

Soil-fix 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

### 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, SOILFIX 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	6 months
Viscosity	5.0g/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	12 m	Medium to High	7 Kg/Ha
< 4 :1	12 m	Medium to High	5 Kg/Ha