

## Erosion and Sedimentation Control

### ECOBOND ES

ECOBOND ES is an organic soil conditioner based on a water-soluble polymer. This product can be added to irrigation water to reduce soil erosion by agglomerating fine particles that otherwise would be carried away by surface water runoff.

Health, Safety & Environment:

ECOBOND ES contains negligible levels of monomer and breaks down by natural microbiological attacks in the soil. UV accelerates this biodegradation, which results in nitrates, ammonium, CO<sub>2</sub> and water. Soil bacteria consume the nitrogen groups and carbon groups break down gradually. ECOBOND ES polymer leaves no toxicity in water and soil.

### Benefits

- Sediment reduction of up to 95% by increasing cohesion between soils particles
- Improves water infiltration and conserves soil porosity
- Reduces leaching of nutrients and pesticides in the runoff water
- Reduces soil crusting and improves germination rate of crust-sensitive plants
- Is cost effective, as desirable outcome can be achieved using small quantities
- Reduces water loss due to lixiviation and water runoff
- Reduces irrigation frequency and saves up to 30% water
- Reduces water turbidity
- Improves germination rate

### Applications

ECOBOND ES applied in liquid form can be dosed into irrigation water or sprayed on the surface. To reduce cost and improve effectiveness it is recommended to use ECOBOND ES in dilution.

- The product is locked in the soil within approximately 30 minutes after application and no product can be detected in runoff water
- Product can be applied again when soil properties diminish. If applied properly, this product is effective from 4 to 8 weeks depending on agro-climate conditions.

ECOBOND ES soil erosion control is manufactured to ISO9001 standards and has been comprehensively reviewed by leading independent testing institutions.