



TERRA•SORB® Fine

Fine Grade Superabsorbent Hydrogel

Fine Grade Hydrogel for Tree Seedlings and Hydroseeding

Terra-Sorb® Fine Hydrogel is used as a shipping aid and transplant treatment for bareroot seedlings to keep the roots moist during handling from the time seedlings are lifted in the nursery bed to field and container planting. The product is specifically formulated to protect the roots from drying out during handling and transport. In hydromulching and hydroseeding, Terra-Sorb® Fine is used to improve seed germination, and to protect the newly germinated grass roots from drying out. Drying out of the root system is a leading cause of mortality for bareroot seedlings and hydroseeded grass. Terra-Sorb® Fine is used by numerous federal, state, and private forest nurseries and hundreds of ornamental nurseries and landscapers throughout the United States and abroad to protect exposed roots from desiccation.

PRODUCT BENEFITS

- Prevents bareroot tree loss due to dry and dysfunctional roots
- Improves survival and growth of tree seedlings after planting
- Improves grass establishment and drought tolerance after hydroseeding
- Does not contain sodium

PRODUCT SPECIFICATION	
Chemical Description:	Cross linked potassium polyacrylamide-acrylate copolymer.
Particle Size:	0.1 mm to 0.75 mm
Percent Moisture:	5% ($\pm 2\%$)
Effective Life:	about 5 years
Absorption Capacity:	Approx 200 times dry weight in distilled water
Toxicity:	Non-toxic. Free acrylamide monomer level less than 0.05%

Terra-Sorb® Fine is not a plant food product.

DIRECTIONS FOR USE

Tree Seedling Packing, Shipping, or Planting: Mix Terra-Sorb® Fine with water at a rate of 1-Lb Terra-Sorb® Fine per 25-40 gallons of water (1-Kg per 200-350 liters). Let stand until the mixture forms a slurry the consistency of gravy. Adjust gel to a thickness that permits the maximum amount of gel to adhere to the roots. Spray or dip the roots of the seedlings prior to storage, shipping, containerizing or field planting to prevent desiccation and drought stress.

Hydromulching/Hydroseeding: Add Terra-Sorb® Fine to the tank mix at a rate of 50-Lbs per acre (55-Kg per hectare) before adding fertilizer. At a normal rate of 3,000 gallons of water per acre, 50-Lbs of Terra-Sorb® Fine will hold 1250-gallons (5000-liters) of water in the seed area, improving establishment and drought tolerance.

COMPATIBILITY

Species: Terra-Sorb® Fine can be used on all tree and grass species.

pH of Water: Although pH of 7 is ideal, Terra-Sorb® Fine is effective over a wide range of pH.

Fungicides/Fertilizers: May be applied, as usual.

Root Enhancers: May be applied, as usual.

STORAGE / SHELF LIFE

Store in a dry place. Shelf life is several years in dry storage.

PACKAGING

Terra-Sorb® Fine is available in 5-Lb and 50-Lb sizes.

HEALTH AND FIRST AID INFORMATION

Inhalation: If dusty conditions exist, wear a dust mask when mixing. **Eye contact:** Flush eyes with water if irritation occurs. **Ingestion:** The polymer itself is non toxic however, the toxicity of solutions absorbed by the polymer (eg pesticides, fertilizers) must be considered. **Contact:** The product is inert and has never been reported to present a problem with contact. However if any problem arises, discontinue use and seek medical attention.

SAFETY

Terra-Sorb® Fine is non toxic.

TECHNICAL ASSISTANCE

For technical assistance, call the Plant Health Care Infoline at 1-800-421-9051.

Terra-Sorb® Fine Acrylamide Copolymer Hydrogel is used to Prevent the Roots of Seedlings and Grasses from Drying out During Shipping, Cold Storage, Planting or Hydromulching.

LIMITED WARRANTY

Plant Health Care, Inc. offers for sale the product Terra-Sorb® Fine. THERE ARE NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE which extend beyond the description of the product in this specification sheet or other product literature, and liability of Plant Health Care, Inc. is limited to replacement of any product which does not meet these specifications. Suggestions for use and information on results obtained with its use are assumed by the manufacturer to be reliable. Since conditions of use are outside the control of Plant Health Care, Inc. the buyer is responsible for all results, including injury and damage stemming from the use of this product alone or in combination with other materials.



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