



# roots®

## Terra-Sorb®

### Planting Gel

**ROOTS® Terra-Sorb®** is a nontoxic super-absorbent hydrogel material that absorbs up to 150 times its weight in water, and releases it slowly in dry soils. Roots® Terra-Sorb® is mixed into potting soil or planting soil to significantly increase the soil's water-holding capacity. This allows more water to remain in the upper soil profile where it is available to roots. Roots® Terra-Sorb® will repeatedly absorb and release water in the soil, and it lasts for several years until it biodegrades. Roots® Terra-Sorb® brand hydrogel is made without sodium, and is available in three particle sizes. Coarse, Medium, and Fine.

#### DIRECTIONS FOR USE (FINE):

**Dipping Bare Root Plants:** Mix Roots® Terra-Sorb® Fine with water at a rate of 1 pound per 20 gallons of water. Water absorption will vary with each local tap water, so use more or less water as needed to achieve the desired consistency that allows the maximum amount of gel to adhere to the roots. Stir gently and allow about 15 minutes to gel. Gel will appear as a collection of individual globules. Dip seedling roots into the gel and remove. Then plant immediately. Apply water to the new plant as usual.

**Tree Seedling Packing, Shipping or Planting:** Mix Roots® Terra-Sorb® Fine with water at a rate of 1 pound per 20 gallons of water. Let stand about 15 minutes to gel. Add more water or more product to achieve the desired consistency that permits the maximum amount of gel to adhere to the roots. Squirt or dip the roots of the seedlings prior to storage or shipping to prevent desiccation.

**Hydro-mulching or Hydro-seeding:** Add Roots® Terra-Sorb® Fine to the tank mix at a rate of 50 pounds per acre before adding fertilizer. At a normal rate of 3,000 gallons of water per acre, 50 pounds of Roots® Terra-Sorb® will hold an additional 900 gallons of water in the seed area.

**Compatibility:** Roots® Terra-Sorb® Fine can be used on all tree and grass species. Roots® Terra-Sorb® is most effective over a range of soil pH from 6 to 8. At pH extremes, its ability to absorb water is reduced.

Roots® Terra-Sorb® Fine is to be mixed into soil. It is not designed for surface applications, other than hydro-seeding.

#### DIRECTIONS FOR USE (COARSE AND MEDIUM):

**Tree and Shrub Planting:** Mix Roots® Terra-Sorb® evenly with the backfill soil at a rate of 2 ounces (by weight) per inch caliper for Balled and Burlapped trees and shrubs, or 1 ounce (by weight) per 5 gallons for containerized trees and shrubs. See inside box for detailed instructions.

**Flower Beds and Gardens:** Roots® Terra-Sorb® is mixed into the top 4 inches of soil at a rate of 1 pound per 100 square feet prior to planting or seeding. It can be broadcast by shaker, spreader or hand, then raked or rototill into soil. Roots® Terra-Sorb® is to be mixed into soil. It is not designed for surface applications.

**Sodding, Seeding or Sprigging:** Roots® Terra-Sorb® is mixed into the top 4 inches of soil at a rate of 3 pounds per 1,000 sq. ft. or 150 pounds per acre prior to seeding, sodding or sprigging. Apply by shaker, drop spreader or hand, then rake or rototill into the top 4 inches of soil. Roots® Terra-Sorb® is to be mixed into soil. It is not designed for surface applications.

**Potting Mix Amendment for Containerized Plants and Hanging Baskets:** For machine or hand mixing, add 2 pounds of Roots® Terra-Sorb® per cubic yard of potting mix. Blend thoroughly throughout mix. For small batches, add 1 ounce Roots® Terra-Sorb® to each cubic foot of growing or potting mix.

- Super absorbent hydrogel holds 150 times its weight in water
- Use for trees, shrubs, gardens, and indoor and outdoor plants

**Surface Dust Control for Indoor Areas:** Areas with dirt floors must be watered frequently to reduce dust. Roots® Terra-Sorb® will help keep the soil moist. A moist surface will reduce dust and give the arena surface a more consistent, softer texture. Apply Roots® Terra-Sorb® evenly by hand or with a standard spreader at a rate of 5 pounds per 1,000 sq. ft. Work Roots® Terra-Sorb® into the upper 2 inches of the soil surface. Water slowly and thoroughly. Wait 2 to 4 hours and water again. This first watering is very important, as the Roots® Terra-Sorb® must be allowed to swell to its full capacity. Thereafter, repeat watering regime as needed when surface appears dry. One application of Roots® Terra-Sorb® will last approximately nine months to one year before additional material needs to be re-applied. For best results, add a wetting agent to the water to facilitate water penetration and spread in the soil.

**HEALTH AND SAFETY:** Avoid breathing dust. Wash hands after handling. Gloves are recommended for repeated or prolonged handling. Slippery when wet.

#### KEEP OUT OF REACH OF CHILDREN

##### Hazard Statements

Not a hazardous substance or mixture.

##### Precautionary Statements

Dispose in accordance with all federal, state and local regulations.

**STORAGE:** Store in a dry location.

#### WARRANTY

**NOTE** To the extent consistent with applicable law, buyer assumes all responsibility for safety and performance if this product is not used according to the directions.

**NOT A PLANT FOOD PRODUCT. CONTAINS NON PLANT FOOD INGREDIENTS**

SOIL AMENDING ANALYSIS	
Active Ingredients	% by Weight
Potassium Polyacrylate .....	93%
<b>INERT INGREDIENTS:</b> Water* .....	7%
* Water content is derived from atmospheric humidity absorbed during storage.	

Information regarding the contents and levels of metals in this product is available on the Internet at:  
<http://www.regulatory-info-lebsea.com>

**Net Wt. 55-Lbs. (25 Kg)**

For technical assistance and information about our products visit [www.LebanonTurf.com](http://www.LebanonTurf.com)

Manufactured by: Lebanon Seaboard Corporation . 1600 E. Cumberland St. Lebanon, PA 17042 . Made in the USA . 800-233-0628 • (717) 273-1685 . [www.LebanonTurf.com](http://www.LebanonTurf.com)

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