

roots®



Plant Saver®

4-7-4

Mycorrhizal Fungi and Biological Fertilizer for Planting Landscapes

ROOTS® Plant Saver® 4-7-4 is used in planting or maintaining a broad range of plants, including: trees, shrubs, annuals and perennials. It contains a blend of ecto and endomycorrhizal fungal spores, beneficial rhizosphere bacteria, 4-7-4 fertilizer, organic amendments, and a comprehensive selection of micronutrients designed to restore soil fertility and address the mineral requirements common to many plants. Also included is Myconate® (formononetin), a patented stimulant of VAM fungi. *Covered by US Patents 5,002,603; 5,085,682; 5,691,275; 5,981,775.

- Used in planting or maintaining a broad range of plants
- Contains beneficial mycorrhizal fungi and rhizosphere bacteria

DIRECTIONS FOR USE:

Trees, Shrubs, Perennials, Vines & Landscape Plantings: Thoroughly mix product into backfill at a rate of about 8 ounces of ROOTS® Plant Saver® 4-7-4 per caliper inch or for each foot diameter of root ball.

1. Mix ROOTS® Plant Saver® 4-7-4 evenly into the backfill soil next to the root ball.
2. Pack the treated backfill firmly around the root ball.
3. Mulch and water to soil saturation.

Established Trees and Shrubs: Apply as a vertimulch using an earth auger with a width of about 2.5 inches. Mix 4 ounces of product with soil in each hole drilled to a depth of about 8 to 10 inches. Drill numerous holes in a grid pattern with 2.5 foot spacing to cover the entire area beneath the canopy. Avoid damaging large roots. This 10-pound bag treats 250 square feet by vertical mulching.

Small Plants and Bulbs: Add 1 tablespoon (1/2 ounce) per plant, and mix thoroughly with soil in planting hole.

APPLICATION RATES	
SIZE	Roots® Plant Saver
1 to 2 gallon plant	4 ounces (1/2 cup)
3 to 5 gallon plant	8 ounces (1 cup)
Per caliper inch	8 ounces (1 cup)

Not labeled for use on food crop sites.

Expiration Date:

For technical assistance and information about our products visit www.LebanonTurf.com



Net Wt. 10-Lbs. (4.54 kg)

J/17

GUARANTEED ANALYSIS	
Total Nitrogen (N)	4.0%
0.5% Urea Nitrogen	
0.5% Other Water Soluble Nitrogen	
3.0% Water Insoluble Nitrogen*	
Available Phosphate (P₂O₅)	7.0%
Soluble Potash (K₂O)	4.0%
Calcium (Ca)	3.0%
Magnesium (Mg)	3.0%
0.08% Water Soluble Magnesium (Mg)	
Sulfur (S)	1.0%
1.0% Combined Sulfur (S)	
Boron (B)	0.02%
0.02% Water Soluble Boron (B)	
Iron (Fe)	3.0%
0.03% Water Soluble Iron (Fe)	
Manganese (Mn)	0.7%
0.10% Water Soluble Manganese (Mn)	
Zinc (Zn)	0.2%
0.01% Water Soluble Zinc (Zn)	
Derived from: Urea-formaldehyde, Feather meal, meat and bone meal, Methylene Urea, Rock phosphate, Calcium phosphate, Sulfate of Potash, Iron sulfate, Magnesium sulfate, Manganese Sulfate, Zinc oxysulfate, Magnesium sulfate, Sodium borate decahydrate.	
*3.0% Slowly available Nitrogen from Urea-formaldehyde, Feather meal, meat and bone meal, Methylene Urea.	
ALSO CONTAINS NON PLANT FOOD INGREDIENTS	
GUARANTEED ANALYSIS SOIL/PLANT AMENDING INGREDIENTS	
Active Ingredients	
Ectomycorrhizal Fungi	33,000 spores/g
30,000 spores/g <i>Pisolithus tinctorius</i>	
3,000 spores/g <i>Scleroderma citrinum</i>	
VA Endomycorrhizal (VAM) Fungi	2.24 spores/g
0.56 spores/g <i>Entrophospora columbiana</i>	
0.56 spores/g <i>Glomus etunicatum</i>	
0.56 spores/g <i>Glomus clarum</i>	
0.56 spores/g <i>Glomus intradivides</i>	
Rhizosphere Bacteria	400,000 cfu/g
90,000 cfu/g <i>Bacillus licheniformis</i>	
90,000 cfu/g <i>Bacillus megaterium</i>	
20,000 cfu/g <i>Bacillus polymyxa</i>	
90,000 cfu/g <i>Bacillus pumilus</i>	
90,000 cfu/g <i>Bacillus subtilis</i>	
20,000 cfu/g <i>Paenibacillus azotofixans</i>	
Humic acids (derived from Leonardite)	11.000%
Formononetin	0.002%
INERT INGREDIENTS	88.998%
73.298% Fertilizer Ingredients	
7.200% Leonardite extract (other than humic acids)	
5.600% Greensand	
2.800% Mineral Oil	
0.090% Kaolin Clay	
0.010% Talc	

F699

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



DANGER



HAZARD STATEMENTS

Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
Causes eye irritation.
May cause respiratory irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause cancer.
Suspected of causing cancer.
Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash hands and exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
Use personal protective equipment as required.
If in eyes, rinse with water and seek medical attention if symptoms persist.
Rinse mouth.
Take off contaminated clothing and wash before reuse.
Persons with severely suppressed immune systems should contact their physician before handling ordinary microbial products.
Collect spillage.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Store locked up.
Store in a well-ventilated place.
Keep container tightly closed.
Dispose of contents/container properly as required by law for waste pesticides.
If exposed or concerned, seek medical advice.
Keep out of reach of children
Precautionary Statements for disposal - Dispose in accordance with all federal, state and local regulations.

STORAGE: Store in a dry location between 50° and 90°F.

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.

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

Roots® and Plant Saver® are registered trademarks of Lebanon Seaboard Corporation.

27-56640