

roots®



Injectable for Trees

Mycorrhizal Fungi and beneficial bacteria for established trees and shrubs

Roots® Injectable for Trees contains spores of beneficial endo- and ectomycorrhizal fungi in a mixed formulation of dry soluble soil amendments and beneficial rhizosphere bacteria, designed to be applied in liquid solution using soil injection equipment. 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.

DIRECTIONS FOR USE:

Established Trees and Shrubs: Mix one "A" packet and one "B" packet per 50 gallons of water to treat 1250 square feet. Agitate the mixture thoroughly before application. Spray tanks with good agitation are recommended. Inject the mixed product under cool pressure (10-200 psi maximum) into the upper 8 to 10 inches of the root zone with the use of a soil probe at a rate of 1-quart per injection on 2.5 to 3-foot centers. At a minimum, treat the root zone under the canopy and when possible, beyond the drip line. Avoid hot injection systems, as prolonged heat above 115° F can kill the spores. Not recommended as a soil drench.

Highly Compacted Soils or Confined Root Areas: Mix two "A" packets and two "B" packets per 50 gallons of water and inject 1 pint on 2.5 to 3-foot centers to treat 2500 square feet.

B&B Transplants: Mix one "A" packet and one "B" packet per 50 gallons of water, agitate thoroughly, inject root ball and outside edges under 150-200 psi max. with a soil probe at a rate of 1 quart per injection, following the chart below.

B&B APPLICATION RATES			
CALIPER	ROOT BALL DIAMETER*	RATE PER TREE	# OF INJECTION SITES
2 inch	24 inch	1.5 gallons	6
3 inch	36 inch	2 gallons	8
4-5 inch	48-50 inch	3 gallons	12
6 inch	60 inch	4 gallons	16
7 inch	70 inch	5 gallons	20
8 inch	80 inch	6 gallons	24

*B&B root ball diameters are based on tree size according to American Nursery Standards.

Not labeled for use on food crop sites.

Expiration Date:

Net Wt. 3.5-Lbs. (1.59 kg)

FOURTEEN 4-OZ PACKETS (7 PAIRS DENOTED AS "A" AND "B")

Hazard Statements

May be harmful if inhaled repeatedly over prolonged periods. Suspected of causing cancer by prolonged/repeated inhalation. Suspected of damaging fertility or unborn child.

Precautionary Statements

Get special instructions before use. Do not handle until all safety instructions have been read and understood. Avoid breathing dust. Persons with severely suppressed immune systems should contact their physician before handling ordinary microbial products. Wear gloves, eye protection and face protection. Use appropriate personal protective equipment as required to avoid breathing dust. If exposed or concerned, seek medical advice. Store locked up. Dispose in accordance with all federal, state and local regulations.

KEEP OUT OF REACH OF CHILDREN

STORAGE: Store at temperatures between 40° and 90° F in a dry place away from direct sunlight.

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.

WARNING



- Water dispersible formulation
- Apply to soil by liquid injection

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

ACTIVE INGREDIENTS

Ectomycorrhizal Fungi.....3.9 Million spores/g
3.9 Million spores/g Pisolithus tinctorius

VA Endomycorrhizal (VAM) Fungi..... 176 spores/g

44 spores/g Glomus clarum

44 spores/g Glomus etunicatum

44 spores/g Glomus intraradices

44 spores/g Entrophospora columbiana

Rhizosphere Bacteria..... 56 Million cfu/g

12.6 Million cfu/g Bacillus licheniformis

12.6 Million cfu/g Bacillus megaterium

2.8 Million cfu/g Bacillus polymyxa

12.6 Million cfu/g Bacillus pumilus

12.6 Million cfu/g Bacillus subtilis

2.8 Million cfu/g Paenibacillus azotofixans

Humic acids (derived from Leonardite).10.0%

Formononetin..... 0.2%

MICROBIAL NUTRIENTS.....68.9%

54.8% Maltodextrin

11.2% Seaweed Extract (derived from Ascophyllum nodosum)

2.7% Yeast Extract

0.2% Yucca plant extract (derived from Yucca schidigera)

INERT INGREDIENTS..... 20.9%

12.5% Non humic acid components of Leonardite

6.0% Kaolin clay

2.4% Polyethylene glycol (dust control additive)

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



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For technical assistance and information about our products visit 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

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27-56649