

# roots®

# Roots® CONCENTRATE

Use on Turf,  
Trees & Shrubs

PROMOTES RAPID ROOT GROWTH

# 1-0-3

Roots® Concentrate 1-0-3 contains nutrients to promote growth of plants and to help increase microbial activity in soil. Humic acids are included to aid in nutrient uptake by plants. Roots® Concentrate is a formulation that can be used as a foliar treatment, and it can be applied directly to the soil.

#### Guaranteed Analysis

**Total Nitrogen (N)** ..... 1.0%  
1.0% Other Water Soluble Nitrogen  
**Soluble Potash (K<sub>2</sub>O)** ..... 3.0%

Derived From: Protein Hydrolysate and Kelp Extract.

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

#### ALSO CONTAINS NON PLANT FOOD INGREDIENTS

3.00% Vitamin C (Ascorbic Acid)  
2.88% Humic Acids  
0.50% Myo-Inositol  
0.30% Vitamin B (Thiamine)  
0.10% Vitamin E (Alpha-tocopherol)

Vitamin C may aid in growth of plant tissues.  
Humic Acids may aid in the uptake of micro-nutrients.  
Myo-inositol may provide added sugars to the plant to increase growth potential.  
Vitamin B1 (Thiamine) may aid in growth of plant tissues.  
Vitamin E (a-Tocopherol) may aid in plant stress tolerance.

Not labeled for use on food crop sites.



F699

27-56945

LebanonTurf

Manufactured by:  
**Lebanon Seaboard Corporation**  
1600 E. Cumberland St. • Lebanon, PA 17042  
800-233-0628 • (717) 273-1685

Made in the U.S.A.  
[www.LebanonTurf.com](http://www.LebanonTurf.com)

**NET CONTENTS 2.5 GAL (9.46 L) NET WT 22 LB (10 KG)**  
STORE AND TRANSPORT IN AN UPRIGHT POSITION AT TEMPERATURES BETWEEN 40°F & 90°F (4°C & 32°C)  
**AGITATE BEFORE USE**

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#### DIRECTIONS FOR USE: Apply only as directed.

ROOTS® Concentrate is an advanced complex plant nutrient formulation that promotes rapid root growth and quicker regeneration for seedlings, cuttings, installation, and transplanting. ROOTS® Concentrate is non-phytotoxic and is formulated for soil and foliar application through injection and drip irrigation, fertigation or sprayer system. Low moisture conditions may limit nutrient uptake, so a minimum dilution of 1:30 is recommended. This product is not intended to replace a regular fertilizer program. Consult your county extension agent for specific fertilizer recommendations. Shake well or agitate before use.

**Compatibility:** ROOTS® Concentrate is tank mix compatible with most soluble fertilizers, herbicides, pesticides, fungicides and absorbent gels. Jar testing is recommended before mixing and test on a small area prior to extensive use with other chemicals whenever possible.

#### STORAGE: AVOID EXCESSIVE HEAT AND FREEZING.

Store & transport between 40°F & 90°F (4°C & 32°C).

**SAFETY:** In case of contact flush with water.

#### KEEP OUT OF REACH OF CHILDREN

For Safety Data Sheets contact your local distributor or call us at 800-233-1067.

## AGITATE BEFORE USE

#### 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.

#### TURF

<b>Sports Turf/Greens/Tees</b> .....	11/2 fl. oz./1,000 sq. ft. - Every 2 weeks or 3 fl. oz./1,000 sq. ft. - Every 4 weeks
<b>Lawns/Fairways</b> .....	3 fl. oz./1,000 sq. ft. - Twice in spring; once in fall
<b>New Seeding/Overseeding</b> .....	6 fl. oz./1,000 sq. ft. shortly after germination
<b>Hydroseeding</b> .....	2 gal./acre at seeding

#### TREES & SHRUBS

<b>Feeding</b> .....	1 qt./100 gal. mix/2,000 sq. ft. (1:400) - Reduce NPK rates by 25%
<b>Ornamental Plants &amp; Flower Beds</b> .....	1 fl. oz. in 3 qt./200 sq. ft. (1:100) Every 4 - 6 weeks
<b>Nursery/Greenhouse</b>	
Established Ornamentals & Flower Beds.....	1 fl. oz. in 3 qt. (1:100) - Apply through cover spray or drench soil media - Every 4 -6 weeks
Ornamental & Flower Cuttings.....	1 fl. oz. in 3 qt. (1:100) at planting - Drench soil thoroughly
<b>Planting/Transplants</b> .....	1 fl. oz. in 3 qt. (1:100) at planting - Drench root zone; 2 fl. oz./inch of trunk diameter
<b>Bare Root Dip</b> .....	1 fl. oz. in 3 qt. water (1:100) - Woody plants: soak 2 minutes. Herbaceous plants: dip only.
<b>Vegetable/Plugs</b> .....	1 gal./acre in transplant water at planting Alternate: Drench plug trays prior to field planting with a 1% solution - Dilute as needed.

For soils with high alkalinity or high salt content, or for poor water capacity, use double the suggested rates. This product is intended as a supplement to a regular fertilization program and may not, by itself, provide all the nutrients normally required by crops or other intended plants.

#### WARNING

##### Hazard Statements

May be harmful if swallowed.  
May cause an allergic reaction.  
Suspected of causing genetic defects.

##### Precautionary Statements

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid breathing product mist/vapors/spray.  
If exposed or concerned, seek medical advice.  
Call a POISON CENTER or doctor/physician if you feel unwell.  
If skin irritation or rash occurs: wash with plenty of soap and water. See physician if irritation persists.  
Contaminated work clothing should not be allowed out of workplace.  
Wash contaminated clothing before reuse.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use appropriate personal protective equipment as required to avoid breathing dust.  
Store locked up.  
Dispose in accordance with all federal, state and local regulations.

