



# Emerald Isle Solutions™

## TurfVigor® 9-3-6

A microbial based fertilizer that maintains root mass under stress conditions, maximizes nutrient uptake while improving color and turf quality.

- Contains beneficial rhizosphere bacteria to improve soil and plant health
- Includes chelated micronutrients of Fe, Mg and Zn to address deficiency issues
- Contains seaplant extract that help the plant better cope with environmental stress



### Application Rates and Guidelines

Use a minimum of 1.5 to 2.5 U.S. gallons per 1,000 sq. ft. (5.7 to 9.5 liters of water per 93 sq.meters). Fill spray tank with half of required spray water and turn on agitation. Measure product, put into the tank and add remaining water and other desired soluble products. Add a de-foaming agent and adjust pH of tank-mix, if necessary. For best results, apply in the early morning or late afternoon.

Emerald Isle liquids are concentrated materials and are compatible with most fertilizers and chemicals, but should not be mixed directly with other chemicals. They should be mixed in spray tanks with water and proper agitation. Conduct a jar test, as needed, to ensure compatibility with other products before tank mixing.

Golf Course Greens & Tees	Apply 12 oz. Per 1,000 sq. ft. every 14 days (355 ml per 93 sq. meters)
Fairways and Sports Turf	Apply 7 oz. per 1,000 sq. ft. every 21 to 28 days (207 ml per 93 sq. meters)
Grow-ins and Renovations	Apply 18 oz. per 1,000 sq. ft. 3 days after seeding or sprigging (532 ml per 93 sq. meters) Apply 12 oz. per 1,000 sq. ft every 7 days until grow-in is complete (354 ml per 93 sq. meters)
Overseeding	Apply 18 oz. per 1,000 sq. ft. 3 days after seeding (532 ml per 93 sq. meters) Apply 12 oz. per 1,000 sq. ft every 7 days thereafter (354 ml per 93 sq. meters)

AGITATE BEFORE USE

Net Weight: 24.9 lbs. (11.3 kg.)  
2.5 U.S. Gallons (9.46 Liters)

Formerly sold under the *roots* brand



97-18977

# 9-3-6

## Storage and Use Guidelines

Store in the original containers at temperatures between 50° F and 90° F (10° C and 35° C). Mix with other materials only at the time of application and in exact amounts required. To avoid contamination, do not return previously mixed product to its original container. Use all product within 12 months of original purchase date.

Emerald Isle Solutions products are formulated for professional use on golf courses, sports turf fields and other highly maintained turf areas. Rates and timing will vary based on soil and tissue analysis and your specific agronomic needs that should be determined by professional applicatory based on local soils, regulation and climate.

GUARANTEED ANALYSIS		GUARANTEED MINIMUM ANALYSIS	
Total Nitrogen (N) .....	9.00%	Total Nitrogen (N) .....	9.00%
9.00% Urea Nitrogen		9.00% Urea Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	3.00%	Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	3.00%
Soluble Potash (K <sub>2</sub> O).....	6.00%	Soluble Potash (K <sub>2</sub> O).....	6.00%
Iron (Fe) .....	0.60%	Iron (Fe) (Actual).....	0.60%
0.60% Chelated Iron (Fe)		0.60% Chelated Iron (Fe)	
Manganese (Mn) .....	0.05%	Manganese (Mn) (actual).....	0.05%
0.05% Chelated Manganese (Mn)		0.05% Chelated Manganese (Mn)	
Zinc (Zn) .....	0.05%	Zinc (Zn) .....	0.05%
0.05% Chelated Zinc (Zn)		0.05% Chelated Zinc (Zn)	
<b>Derived from:</b> Urea, Monopotassium Phosphate, Potassium Hydroxide, Kelp Extract, Iron EDTA, Manganese EDTA, Zinc EDTA (EDTA=Ethylenediamine Tetraacetic Acid.)		<b>Derived from:</b> Urea, Monopotassium Phosphate, Potassium Hydroxide, Kelp Extract, Iron EDTA, Manganese EDTA, Zinc EDTA (EDTA=Ethylenediamine Tetraacetic Acid.)	
<b>U.S.A</b>		<b>CANADA</b>	

### ALSO CONTAINS NON PLANT

#### FOOD INGREDIENTS:

0.014% Bacterial Cultures

Bacillus licheniformis ..... 5.0 x 10<sup>9</sup> cfu/mL

Bacillus subtilis ..... 5.0 x 10<sup>9</sup> cfu/mL



**37-18977**

D/20 F699

### Precautionary Statements

Keep out of reach of children.

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

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

### 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

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