

# ASSURE 5-5-5

## WITH MYCORRHIZA

FOR ENHANCED AERIFICATION and PLANTING PERFORMANCE

**Plus High Calcium – High Magnesium - High Iron**

120 SGN greens grade

### GUARANTEED ANALYSIS

Total Nitrogen (N).....	5.00%
1.7% Ammoniacal Nitrogen	
3.3% Water Insoluble Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	5.00%
Soluble Potash (K <sub>2</sub> O) .....	5.00%
Calcium (Ca) .....	4.00%
Magnesium (Mg) .....	2.50%
0.20% Water Soluble Magnesium	
Copper (Cu) .....	0.20%
Iron (Fe) .....	4.00%
Manganese (Mn) .....	0.20%
0.10% Water Soluble Manganese	
Zinc (Zn) .....	0.20%

**Derived from:** feather meal, potassium sulfate, monoammonium phosphate, calcium carbonate, meat and bone meal, kelp meal, ferric oxide, magnesium oxide, manganese oxide, copper oxide, zinc oxide.

\*3.3% Slow release Nitrogen derived from feather meal

### ALSO CONTAINS NON PLANT FOOD INGREDIENTS

**Endomycorrhizal Fungi:** Glomus intraradices 0.2 propagules per gram, Glomus mossae 0.2 propagules per gram, Glomus aggregatum 0.2 propagules per gram, Glomus deserticola 0.2 propagules per gram

**Ectomycorrhizal Fungi:** Rhizopogon villosulus 250 propagules per gram, Rhizopogon luteolus 250 propagules per gram, Rhizopogon amylopogon 250 propagules per gram, Rhizopogon fulvigleba 250 propagules per gram, Pisiolithus tinctorius 250 propagules per gram

**Rhizobial Organisms:** Bacillus subtilis 500,000 CFU per gram, Bacillus licheniformis 500,000 CFU per gram, Bacillus amyloliquefaciens 500,000 CFU per gram, Bacillus megaterium 500,000 CFU per gram, Bacillus pumulis 500,000 CFU per gram, Bacillus azotoformans 500,000 CFU per gram, Bacillus coagulans 500,000 CFU per gram, Paenibacillus polymyxa 500,000 CFU per gram, Paenibacillus durum 500,000 CFU per gram, Pseudomonas aureofaciens 100,000 CFU per gram, Pseudomonas fluorescens 100,000 CFU per gram, Streptomyces lydicus 100,000 CFU per gram, Streptomyces griseus 100,000 CFU per gram, Trichoderma reesei 100,000 CFU per gram, Trichoderma harzianum 100,000 CFU per gram

### Microbial Nutrients

Natural Sugars 13.00 % Dextrose, 12.00% Sucrose, 3.00 % Amino Acids, 3.0 % Vitamin Blend, 2.50 % Natural Silica (Drying Agent), Amino Acids to include Methionine, Biotin, Folic Acid, B Complex Vitamins, 1.50 % Potassium Humate (leonardite), 1.50 % Kelp (Ecklonia maxima)

\*Yellow highlights indicate ingredients that are known to be antagonistic to parasitic Nematodes

Kelp Concentrate .25 lbs.per 1000 OR 10.8 lbs. per acre

Humic Acid, 15% conc. .25 lbs. per 1000 10.89 lbs. acre

## **THE SAME PROVEN INGREDIENTS PLUS ADDED MYCORRHIZAE**

- FOR AERIFICATION
- TREE PLANTING
- NEW CONSTRUCTION
- BEDDING PLANTS

### **APPLICATION RATES TURF:**

**Aerification:** One week before aerification apply 1/2 pound N using Assure 12-2-18 or other fertilizer source. Following aerification, while holes are open apply (1/3 pound N per 1000 sq. feet) 6.5 actual pounds of material per 1000 sq. ft. to achieve the proper amount of mycorrhiza inoculants per square foot. Use one bag per 8000 square foot green.

**Grow in:** 40 pounds 5-5-5 per cubic yard of soil mix, or apply over the top at a rate of 1/3 pound of N, or 6.5 actual pounds of material. Till into the top 2-3 inches of soil.

**Divot mix:** 40 pounds per cubic yard.  
One cup of product per 5 gallon pail of divot mix.

**Sod - seeding:** Apply at rate of 1/3 pound N per 1000 sq. feet under sod. Additional fertility (up to a total of 3/4 to 1# of N) may be needed.

### **APPLICATION RATES TREES:**

Apply 20 oz. per inch diameter in 2-inch diameter holes drilled 12 inches deep (approximate) at 18 inch spacing around canopy.

Apply one cups per caliper inch of trunk diameter spread evenly in the planting back fill material. A cup is 8 dry oz.

### **APPLICATION RATES FLOWERS:**

Apply 3 cups per 100 square feet and mix into top 2 – 3 inches of soil.