

5-0-5 ASSURE FERTILIZER

WITH MYCORRHIZA

FOR ENHANCED AERIFICATION and PLANTING PERFORMANCE

Plus High Calcium – High Magnesium
High Iron

120 SGN greens grade

Total Nitrogen5.00%

1.70% Ammoniacal N

3.30% Water Insoluble N *

Soluble Potash, K₂O5.00%

Calcium, Ca 4.00%

Iron, Fe 4.00%

5.00% Ferrous Sulfate (water soluble)

Total Magnesium, Mg 2.50%

0.1% Water Soluble

Copper (Cu)0.20%

Total Manganese (MN)0.20%

0.10% Water Soluble Manganese

Zinc (Zn)0.20%

Derived From: feather meal, potassium sulfate, calcium carbonate, urea, 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 2 propagules per gram, Glomus mossae 2 propagules per gram, Glomus aggregatum 2 propagules per gram

Ectomycorrhizal Fungi: Rhizopogon villosullus 350 propagules per gram, Rhizopogon luteolus 350 propagules per gram, Rhizopogon amylopogon 350 propagules per gram, Rhizopogon fulvigleba 350 propagules per gram, Pisiolithus tinctorius 350 propagules per gram

Rhizobial Organisms: Bacillus subtilis 400,000 CFU per gram, Bacillus licheniformis 400,000 CFU per gram, Bacillus amyloliquefaciens 400,000 CFU per gram, Bacillus megaterium 400,000 CFU per gram, Bacillus pumulis 400,000 CFU per gram, Bacillus azotoformans 400,000 CFU per gram, Bacillus coagulans 400,000 CFU per gram, Paenibacillus polymyxa 400,000 CFU per gram, Paenibacillus durum 400,000 CFU per gram, Pseudeomonas aureofaceans 80,000 CFU per gram, Pseudomonas fluorescence 80,000 CFU per gram, Streptomyces lydicus 80,000 CFU per gram, Streptomyces griseus 80,000 CFU per gram, Trichoderma reesei 80,000 CFU per gram, Trichoderma harzianum 80,000 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**

THE SAME PROVEN ASSURE 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 two cups per 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.