

Maximize
Seed Germination and Root Growth



SuperRootsTM Turf

With SuperTrace, Nutrex-M/F, SoilSeeds, Mycorrhizae & Humic Substances*

5-0-6 2% Fe Naturally Chelated
No Phosphates - No EDTA

* Humic Substances are derived from ancient shale, the most thoroughly composted vegetation on Earth.

For distribution in the State of Oregon

SuperRootsTurf™ is a proprietary bio-fertilizer for enhanced grass seed germination and early establishment. **SuperRootsTurf™** contains predictable release macro-nutrients, **Nutrex-M/F™** nitrogen extender, **SuperTrace™** fully chelated micro-nutrients in Fulvic Acid-Carbon Amendment, **SoilSeeds™** plant sourced active soil microbes in Fulvic Acid-Carbon Amendment (USDA organic compliant) and **4 species of Endomycorrhizae.**

Uses: For newly seeded turf or at aerification and over-seeding of greens, tees and ornamental turf. **SuperRootsTurf™** is non-toxic to grass plants when used as directed.

Net contents: 2.5 gal Net weight: 23.63 lb Density: 9.45 lb./Gal Batch Code: 020414SRT Expiration: 02-04-2017



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A Portion of the Proceeds from this Product Goes to Support the Northwest Parkinson's Foundation — www.nwpf.org

Tank mix with water and apply at seeding. No other additives needed.

Guaranteed Analysis (By Weight)

Nitrogen (N)	5.00%
5.00% Urea Nitrogen	
Soluble Potash (K ₂ O)	6.00%
Iron (Fe)	2.00%
2.00% Chelated Iron	
Manganese (Mn)	0.065%
0.065% Chelated Manganese	
Molybdenum (Mo)	0.001%
Zinc (Zn)	0.025%
0.025% Chelated Zinc	

Derived from: Urea, potassium hydroxide, sodium molybdate, chelated ferrous sulfate, chelated manganese sulfate, and chelated zinc sulfate.

Non-plant food ingredients:

Dicyandiamide 20% (by weight)
N-(n-butyl) thiophosphoric triamide ammoniacal nitrogen additives 1% (by weight)
Endomycorrhizal fungi: Glomus intraradices, G. mosseae, G. aggregatum, G. etunicatum; 90,000 propagules per acre (2.72 gal of SuperRoots)
Plant sourced active soil microbes, and ascomycellum nodosum from brown seaweed and Humic Substances from Leonardite shale extract.

Information regarding the contents and levels of metals in this product is available on the internet at:

www.aapfco.org/metals.htm

THIS PRODUCT MAY BE APPLIED AT A MAXIMUM RATE OF 4 GALLONS (38.24 LBS) PER 1,000 SQ FT PER YEAR.

APPLICATION RATES:

Turf at seeding or aeration and over-seeding: Apply 8-16 fl oz **SuperRootsTurf™** in 1-2 gal water per 1,000 sq ft.

POST-TREATMENT WATERING: Watering within a few hours after application is recommended for maximum mycorrhizal colonization and microbial proliferation.

EXPECTATIONS: It has been widely demonstrated that this product, applied in contact with seed, will hasten germination and establishment as a result of the mycorrhizal colonization and beneficial bacterial influence. The Humic Acid-Carbon Amendment will aid in the transport of nutrients to the seedlings and existing turf, encouraging rapid establishment.

"I applied SuperTrace and SoilSeeds on a green right after aeration and topdressing and it recovered 25% faster than the other greens that were treated with granular fertilizer."

John Franson,
Wilbur-Ellis Co. Twin Falls, Idaho

John applied only two ingredients found in **SuperRootsTurf™** and with the added endo-mycorrhizae and Nutrex M/F in **SuperRootsTurf™** the results would be even more pronounced.

COMPATABILITY: Compatible with Subdue, Phosphite and Medallion fungicides, and will not hinder the function of the product's biological components. Other combinations may be acceptable, but testing should be done to ensure the biological components are protected and tank mix compatibility is addressed.

Biological activity may occur (float on the surface) when stored for extended times. If this occurs, in-line screens should be used to prevent nozzle clogging. To protect from degradation, do not store in sunlight or near heat source.

SuperRootsTurf™ has shown to be a valuable, cost effective, easy-to-apply product when used as directed in a treatment-based plant health care program. If results are not as expected, steps should be taken to determine if there are soil conditions that would hinder seed germination and establishment. Some examples are: poor quality seed or planting techniques, improper soil pH level, poor watering practices, disease pathogens or insects, and soil compaction.

CAUTION: This fertilizer is to be used only on crops which respond to molybdenum. Crops high in molybdenum are toxic to grazing animals (ruminants).

WARRANTY: Plant Essentials, LLC warrants that this product conforms with the guaranteed analysis. No other warranty is expressed or implied including any consequential damage, injury, or loss due to the use of this product by itself or in combination with any other product. Any liability is limited to product replacement.

SuperRootsTurf™ is manufactured by **Plant Essentials, LLC™** in Olympia, Washington.

For more information please visit our website at www.plantessentials.biz.