



Nature's Pro[®]
Bio-Soil Science

Formulated in
the USA by:
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Bio-Turf is a natural organic and mineral treatment that recharges and replenishes the essential soil dynamic biological equilibrium thus optimizing the soil environment for healthier lawns, trees and shrubs. Natural organic complex compounds loosen and modify the soil structure providing 100% natural aeration and improved rooting in sandy or clay soils.

- Improves air exchange (aeration) and soil drainage in compacted soils, eliminating the need for mechanical aeration that damages roots, weakens the plant (increases susceptibility to disease), and provides only 10% coverage at best. Natural aeration materials work 24/7, 365 days a year, providing 100% coverage deep into the soil.
- Increases soil microbial content, which naturally digests thatch and recycles it back into the soil, increasing the organic content and eliminating the need for mechanical de-thatching, which also injures root systems, weakens the plant, and increases susceptibility to disease.
- Improves water-holding capacity thereby decreasing water needs by 30%.
- Accelerates cell division for healthier plant growth and improved root-mass.
- Increases plant sugar content (Brix) for improved health/stress resistance.
- Improves plant color - deeper, darker green in conjunction with Nitrogen.
- Improves soil warming - earlier spring green-up and better color into winter.
- Increases plant regulators - auxins, cytokinins, gibberellins, calines, etc.
- Stimulates plant metabolism and increases vitamin content of plant.
- Improves soil physical properties - loosens clay or aggregates sandy soils.
- Improves soil Cation Exchange Capacity (CEC) - holding onto nutrients.
- Increases permeability of plant membranes, promoting nutrient uptake.
- Fosters "new" soil by active decomposition of rock, mineral and O.M.
- pH buffering and accelerated Calcium Carbonate (Lime) breakdown.
- Increases protein levels in plants and acts as an organic catalyst.
- Increases seed germination rate, vigor and viability.
- Detoxifies soil pollutants - neutralize "Black Layer" problems.
- Increases drought tolerance and wear tolerance / recovery.
- Improves activity and growth of beneficial soil microbiology.
- Chelates trace elements for better nutrition, especially Iron.
- Increases Phosphorus availability, especially in clay soils.
- Stimulates respiration, hormonal and enzyme systems.
- Increases in quantity and elongation of fibrous roots.
- Prevention and correction of chlorosis.
- Source of over 70 micro-nutrients.
- Recharges dynamic biological equilibrium in the soil.
- Effectively slows release of plant nutrients, especially Nitrogen.

**A Natural
and Better
Alternative
to Core
Aeration**

CONTAINER _____ gallons

Bio-Turf

Liquid Aeration & Bio-Recharging Agent

Shake, Stir or Mix Contents BEFORE EACH USE

NOTICE: CONDITION OF SALE

The manufacturer, distributor, dealer or seller makes no warranty or guarantee concerning this material, its effectiveness, or use, except that it conforms to the label description. The manufacturer, distributor, dealer or seller shall not be held responsible in any manner for personal injury, property damage, or other loss resulting from the use or storage of this product when used as directed. The foregoing is a condition of sale accepted by the buyer.

RECOMMENDED USES

LAWNS

- Irrigate with 1/2-1" water after application to ensure movement of active ingredients deep into the soil profile.
- Irrigation should continue through out the effective treatment period of 6-12 weeks.
- Apply 4 oz. / 1000 sq.ft. in 3-4 gal water 2- 4 times / season based on soil testing.
- A complete NPK fertilizer, preferably liquid or soluble, at a rate of 1/2-3/4 lb. N/1000 sq.ft. should be used with initial **Bio-Turf** applications for turf.
- **Bio-Turf** is compatible with most herbicides, fungicides, insecticides and fertilizers. Perform a jar test to check compatibility.
- For best results, make multiple applications every 6-8 weeks (Spring/ Fall)
- DO NOT apply to drought stressed turf.

TREES/SHRUBS

- 1-2 qts. / 100 gals when used with **Bio-Tree & Shrub** for extra soil conditioning.
- 1-2 gals / 100 gals when used alone or with other brands of tree fertilizers.
- If not injecting, follow the directions for "Lawns" and soil drench.

KEEP OUT OF REACH OF CHILDREN

**May be harmful if swallowed.
Store in a cool, dry location.**