



Nature's Pro[®]

The Organic Experts

Bio-Soil Science

Bio-Turf

Turf Liquid Aeration & Bio-Recharging Agent

Bio-Turf is a Natural Organic & Mineral Treatment that Recharges & Replenishes the Essential Soil Dynamic Biological Equilibrium thus optimizing the soil environment for healthier lawns, trees and shrubs. Natural Organic Complex Compounds loosen & modify the soil structure providing 100% natural aeration & improved rooting in sandy or clay soils.

Shake/Mix Well Before Use

- 5 gal Cube
- 55 gal Drum
- 250 gal IBC

Suggested Use Directions

Maintenance Program

- Add 5 gal Bio-Turf in 100-200 gallons of water to treat 50,000 sq.ft.
- For best results, multiple treatments should be made Spring-Fall at 6 week intervals.
- Bio-Turf is compatible with most herbicides, fungicides, insecticides & fertilizers. Use jar test to check compatibility.
- DO NOT apply to drought stressed turf.

- Recharges dynamic biological equilibrium (balance) in the soil.
- Improves soil physical properties - loosens clay / aggregates sandy soils.
- Improves soil Cation Exchange Capacity (CEC) - holding onto nutrients.
- Improves activity and growth of beneficial soil microbiology.
- 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.
- Effectively slows release of plant nutrients, especially Nitrogen.
- Increases Phosphorus availability, especially in clay soils.
- Detoxifies soil pollutants - neutralize "Black Layer" problems.
- 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.
- Increases plant sugar content (Brix) for improved health/stress resistance
- Improves water-holding capacity for better soil moisture retention, decreasing water needs by 30%.
- Accelerates cell division for healthier plant growth & improved root-mass.
- Stimulates plant metabolism and increases vitamin content of plant.
- Increases protein levels in plants and acts as an organic catalyst.
- Increases plant regulators - auxins, cytokinins, gibberellins, calines, etc.
- Increases seed germination capacity and seedling vigor & viability.
- Stimulates respiration, hormonal & enzyme systems.
- Improves plant color - deeper, darker green in conjunction with Nitrogen.
- Improves soil warming - earlier spring green-up & better color into winter.
- Increases in quantity and elongation of fibrous roots.
- Chelates trace elements for better nutrition, especially Iron.
- Increases permeability of plant membranes, promoting nutrient uptake.
- Fosters "new" soil by active decomposition of rock, mineral & O.M.
- pH buffering and accelerated Calcium Carbonate (Lime) breakdown.
- Source of over 70 micro-nutrients.
- Prevention and correction of chlorosis.
- Increases drought tolerance and wear tolerance / recovery.



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