



# Nature's Pro<sup>®</sup>

The Organic Experts

## Bio-Soil Science

# Bio-Aer

## Liquid Aeration & Bio-Recharging Agent

### Shake Well Before Use

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

### CONDITIONS OF SALE

**NOTICE:** The manufacture, 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 manufacture, 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. The foregoing is a condition of sale accepted by the buyer

Manufactured in the USA for  
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Dillsburg, PA 17019  
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Bio-Aer 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.

- 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 for better soil moisture retention, decreasing water needs by 30%.
- Accelerates cell division for healthier plant growth & 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 & 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 / 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 & O.M.
- pH buffering and accelerated Calcium Carbonate (Lime) breakdown.
- Increases protein levels in plants and acts as an organic catalyst.
- Increases seed germination capacity and seedling vigor & viability.
- Recharges dynamic biological equilibrium (balance) in the soil.
- Effectively slows release of plant nutrients, especially Nitrogen.
- 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 & enzyme systems.
- Increases in quantity and elongation of fibrous roots.
- Prevention and correction of chlorosis.
- Source of over 70 micro-nutrients.

### Suggested Use Directions

#### Lawns

- Irrigate with 1/2-1" water after application to ensure movement of active ingredients deep into the soil profile.
- Irrigation should continue throughout the effective treatment period of 6-12 weeks.
- Apply 4oz / 1000 sq.ft. 2-4 times per season based on soil testing
- A complete NPK fertilizer, preferably liquid or soluble, @ rate of 3/4-1 lb. N/1000 sq.ft. should be used with initial Bio-Aer applications for turf.
- Bio-Aer is compatible with most herbicides, fungicides, insecticides & fertilizers. Use jar test to check compatibility.
- For best results, multiple treatments should be made Spring-Fall at 6 week intervals.
- 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

