



# BioNutrients<sup>®</sup> 8-0-9

F000106

## BioFertilizer

### GUARANTEED ANALYSIS:

Total Nitrogen (N) . . . . . 8%  
 8% Water Soluble Nitrogen\*  
 Soluble Potash (K<sub>2</sub>O) . . . . . 9%  
 Derived From: Soy Protein Hydrolysate, Fish Protein Hydrolysate, Kelp extract (Ascophyllum nodosum)  
 \*8% Slowly Available Nitrogen from Soy Protein Hydrolysate and Fish Protein Hydrolysate  
 Also Contains Non-Plant Food Ingredients:  
 Bacillus subtilis . . . . . 2.41 x 10<sup>8</sup> CFU\* per gram  
 Bacillus licheniformis . . . . . 2.50 x 10<sup>7</sup> CFU\* per gram  
 Bacillus amyloliquefaciens . . . . . 1.24 x 10<sup>8</sup> CFU\* per gram  
 Bacillus pumilus . . . . . 1.75 x 10<sup>8</sup> CFU\* per gram  
 Yeast (Saccharomyces cerevisiae). . . . . 2.0 x 10<sup>8</sup> CFU\* per gram  
 \*Colony Forming Units  
 14% . . . . . Humic Acid (derived from Leonardite)  
 2.0% . . . . . Wetting Agent (Yucca schidigera)

FOR NON-FOOD USE ONLY

### PRODUCT DESCRIPTION:

BioNutrients™ 8-0-9 contains four species of beneficial bacteria plus humic acid and a wetting agent. Use on fairway grasses, sports turf, lawns, trees, and ornamentals to provide key nutrients for plant growth and to help improve soil quality.

For Professional Use Only. For Non-Food Use Only.

**Note:** It is suggested that you pre-dissolve the material and run it through 100 mesh screen, then put it into a tank for spraying. Not necessary to do with tree injection tanks or hydro seeding machines.

Turf Applications & Rates		
Application	Rate	Notes
Regular Turf Maintenance	Mix 1/2-1 pound of pre-dissolved material in 50 – 100 gallons of water per acre. Metric: Rate per Hectare: Mix 250-500 grams in 400- 800 Liters water.	Apply monthly throughout growing season.
Overseeding, Aeration, Newly Seeded Areas, Sod	Apply 1/4-1 pound of material per 5,000 sq. ft. Metric: apply 125-500 grams, per 465 sq meters.	Apply at time of aeration, sodding or seeding in the seed hopper or with starter fertilizer and re-apply monthly as needed.
Hydroseeding	Mix 1/4 -1 pound of material per 5,000-8000 sq.ft per 500-800 gallons of slurry. Metric, mix 125-500 grams of material per 465-745 sq. meters, per 1895-3025 liters.	Add to tank before seed and mulch.
Sand Topdressing or Divot & Ball Mark repair	Mix 1/2-1 pound of material per cubic yard. Hand Repair: Lightly sprinkle into divot hole prior to replacement of turf. Metric: mix 250-500 grams per cubic yard.	Mix thoroughly with sand just prior to use.

Greenhouse, Nursery & Landscape Application Rates		
Application	Rate	Notes
Tree and Shrub Care, Non-fruit bearing trees	Initial Application: Mix 1 pound of material per 100 gallons water. Maintenance: 1/2 pound per 100 gallons water. Metric: 250-500 grams per 400 liters	Soil inject, drench or spray at appropriate rates to ensure proper soil penetration.
New Field Plantings and Landscape Transplants	Mix 1/2-1 pound of material per 100 gallons. Metric: 250-500 grams per 400 liters	Drench or sprench at appropriate rates to ensure proper soil penetration.
Greenhouse Plants, Injection systems	Initial planting: Mix in 1/4-1 pound per gallon stock tank at 1:100. Constant feed, mix 8 grams per gallon stock tank at 1:100. Metric: Mix 125-450 grams per 4 liter stock tank at 1:100. Constant feed, mix 8 grams per 4 liter stock tank at 1:100	Drench or sprench at appropriate rates to ensure proper soil penetration.
Annual Flower and Perennial Beds	Mix 1-2, 8 ounce packs per 100 gallons. Metric: 226-454 grams per 400 liters	Drench or sprench at appropriate rates to ensure proper soil penetration.
Granular Fertilizer Addition	Mix is 1-5 pounds per 2000 pounds of fertilizer. Metric: 1/2 to 2.25 kilograms per ton of fertilizer	Mix last into blender.