

Bio-Live™ is a rich, organic fertilizer featuring a unique blend of premium marine byproducts infused with a diverse mixture of beneficial microorganisms. Select mycorrhizal fungi and bacterial species rapidly colonize the rhizosphere and surrounding soil to improve resource utilization and enhance nutrient uptake. Ideal for all plant types, use Bio-Live to encourage expansive root systems, increased crop yields and superior quality flowers, fruits, herbs and vegetables.

GUARANTEED ANALYSIS

TOTAL NITROGEN (N)	5.0%	Derived from: Fish Bone Meal, Fish Meal, Alfalfa Meal, Crab Meal, Shrimp Meal, Langbeinite and Kelp Meal
0.4% Water Soluble Nitrogen		
4.6% Water Insoluble Nitrogen		
AVAILABLE PHOSPHATE (P₂O₅)	4.0%	ALSO CONTAINS NON-PLANT FOOD INGREDIENT(S):
SOLUBLE POTASH (K₂O)	2.0%	2.5% Humic Acids derived from Leonardite
		F002174

Endomycorrhizal fungi: Rhizophagus irregularis, Funneliformis mosseae, Glomus deserticola - 0.5 prop/gm each; Glomus clarum - 0.2 prop/gm; Glomus monosporum - 0.1 prop/gm; Glomus aggregatum, Glomus etunicatum - 0.05 prop/gm each; Paraglomus brasilianum, Gigaspora margarita - 0.02 prop/gm each. (878 prop/lb total)

Ectomycorrhizal fungi: Rhizopogon villosulus, R. luteolus, R. amylopogon, R. fulvigleba - 300 prop/gm each; Pisolithus tinctorius - 5,500 prop/gm; Scleroderma cepa, S. citrinum - 575 prop/gm each. (3.5 million prop/lb total)

Trichoderma: Trichoderma harzianum, T. koningii - 13,750 CFU/gm each. (12.4 million CFU/lb total)

Saccharomyces: Saccharomyces cerevisiae - 18,750 CFU/gm. (8.5 million CFU/lb total)

Bacteria: Bacillus coagulans, B. licheniformis, B. megaterium, B. pumilus, B. thuringiensis, Paenibacillus polymyxa, Azotobacter chroococcum, Pseudomonas chlororaphis, P. fluorescens - 18,750 CFU/gm each. (76.4 million CFU/lb total)

For maximum shelf life, store between 40° and 85° F. Avoid temperatures in excess of 140° F. Product expires two years from production date stamped on back of box (Month/Year).

Listed by the Organic Materials Review Institute (OMRI) for use in organic production.

APPLICATION RATES

3.5 cups ≈ 1 lb; ½ cup ≈ 2 oz; 1 tbsp ≈ 0.5 oz

Vegetable Gardens & Flower Beds: To prepare new gardens, apply 5 lbs per 100 square feet and thoroughly mix into the top 3" of soil. For new transplants, add 1-2 tbsp per hole, mix into soil and water in well.

Containers: For new plantings, add ¼-½ cup per gallon of soil and mix thoroughly **OR** add 12.5-25 lbs per cubic yard. For established plants, mix 2-4 tbsp per gallon of soil when transplanting.

Trees, Shrubs & Vines: For new plants, prepare transplant hole and mix 1-2 cups with the backfill soil. Use amended soil to fill in around the new plant and water in well.

WHAT IS "N-P-K"?

NITROGEN (N) - Nitrogen is necessary for lush, green, leafy growth. An excess, however, will promote vegetative growth at the expense of fruit or flowers. Nitrogen is generally applied at higher concentrations in early growth stages. Use Down To Earth Bat Guano, Blood Meal or Feather Meal.

PHOSPHORUS (P) - Phosphorus will promote big, bright blooms and enhanced fruit production. Phosphorus is essential for fruiting, flowering, strong root growth and quality seed development. Use Down To Earth Fish Bone Meal or Seabird Guano.

POTASSIUM (K) - Potassium, or Potash, helps produce strong sturdy plants and quality fruit. Potassium naturally increases a plants resistance to all types of stress and is vital for cell growth and carbohydrate metabolism. Use Down To Earth Kelp Meal or Langbeinite.



ALL NATURAL FERTILIZERS

Use of a dust mask is recommended for application of any dry fertilizer product.