



BioNutrients™

7-0-5

Guaranteed Analysis

Total Nitrogen (N).....	7%
70% Water Insoluble Nitrogen	
Soluble Potash (K ₂ O).....	5%

Derived From: Fish Protein Hydrolysate, Kelp Extract (*Ascophyllum nodosum*), Potassium Hydroxide, Soy Protein Hydrolysate

Also Contains Non-Plant Food Ingredients:

Guaranteed Analysis – Soil Amending Ingredients	
Microbial Content	0.5%
<i>Bacillus amyloliquefaciens</i>	1.0x10 ⁸ cfu/g
<i>Bacillus licheniformis</i>	7.5x10 ⁷ cfu/g
<i>Bacillus megaterium</i>	5.0x10 ⁶ cfu/g
<i>Bacillus pumilus</i>	1.7x10 ⁹ cfu/g
<i>Bacillus subtilis</i>	2.0x10 ⁸ cfu/g
Humic Acids (derived from Leonardite).....	15.0%
Total Other Ingredients:.....	84.5%

Product Description:

BioNutrients is a combination fertilizer and soil amendment designed to provide N & K while aiding in the conversion of inorganic and organic fertilizers into plant available forms. Application of BioNutrients increases microbial populations in the rhizosphere and humic substances to improve soil conditions.

DPH Biologicals

21417 County Road 1950 East
Princeton, Illinois 61356 USA
Phone: (800) 648-7626
www.dphbiologicals.com

Net Weight: 30 lb. (13.63 kg)

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>

P-3-LBL-705TF30-001

FIRST AID

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. **Skin Contact:** Wash off immediately with soap and plenty of water for at least 15 minutes. **Inhalation:** Remove to fresh air. **Ingestion:** Clean mouth with water and drink afterwards plenty of water.

Storage & Disposal:

Storage: BioNutrients should be stored in its original container, away from heat and direct sunlight. Preferably store in cool areas out of direct sunlight, away from children and pets, feed, and food products. Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment.

Disposal: Do not reuse this container. Dispose of contents/ container in accordance with local/regional/national regulations.

Expiration Date: product guaranteed effective up to 2 years after date stamped on container.

Condition of Sale and Warranty: DPH Biologicals warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Handling, storage and use of the product by Buyer or User are beyond the control of DPH Biologicals and Seller. Risks such as crop injury or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by Buyer or User. IN NO CASE WILL DPH BIOLOGICALS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.



P-F-PWD-705-30LB

Mixing and Application:

Tank mix BioNutrients according to the directions in the table below. For liquid applications, it is recommended to pre-dissolve the product in a small amount of water, creating a slurry, prior to adding to the spray tank. Use of a 100-mesh screen to filter the slurry prior to adding to the spray tank or incorporating a 100-mesh screen in your application system to prevent clogging is recommended. Mix only enough for the immediate application. Do not mix product with bactericides or copper compounds. It is recommended to mix BioNutrients with other products the day of use.

TURF APPLICATION		
Application	Rate	Frequency/Directions
Regular Turf Maintenance	Mix ½ - 1 lb. of product into 50 - 100 gal of water per acre. Metric: Mix 567 g - 1.34 kg of product into 470 - 950 L water per hectare.	Apply monthly throughout growing season.
Overseeding, Aeration, Newly Seeded Areas, Sod Overseeding, Aeration, Newly Seeded Areas, Sod	Apply ¼ - 1 lb. of product per 5000 ft ² . Metric: Apply 114 g - 454 g of product per 465 m ² .	Apply at time of aeration, sodding or seeding in the seed hopper or with starter fertilizer. Reapply monthly as needed.
Hydroseeding	Mix ¼ - 1 lb. of product per 5000 - 8000 ft ² per 500 - 800 gal of slurry. Metric: mix 114 - 454 g of product per 465 - 745 m ² per 1895 - 3025 L.	Add to tank before seed and mulch.
Sand Topdressing or Divot & Ball Mark Repair	Mix ½ - 1 lb. of product per cubic yard. Metric: mix 225 - 454 g of product per 0.75 cubic meter. Hand Repair: Lightly sprinkle into divot hole prior to replacement turf.	Mix thoroughly with sand just prior to use.

GREENHOUSE, NURSERY & LANDSCAPE		
Application	Rate	Frequency/Directions
Ornamental Trees & Shrubs	<u>Initial Application:</u> Mix 1 lb. of product per 100 gal of water. Metric: 454 g of product per 378 L of water. <u>Maintenance:</u> ½ lb. of product per 100 gal of water. Metric: 227 g of product per 378 L of water.	Soil Inject, drench or spray at appropriate rates to ensure proper soil penetration.
New Field Plantings and Landscape Transplants	Mix ½ - 1 lb. of product per 100 gal of water. Metric: 227 - 454 g of product per 378 L of water.	Drench or sprench at appropriate rates to ensure proper soil penetration.
Greenhouse Plants, Injection Systems	<u>Initial Planting:</u> Mix ¼ - 1 lb. of product per gallon stock tank at 1:100. Metric: Mix 113 - 454 g of product per 3.78 L stock tank at 1:100. <u>Constant Feed:</u> Mix 0.3 oz of product per gallon stock tank at 1:100. Metric: Mix 8 grams of product per 3.78 L stock tank at 1:100.	Drench or sprench at appropriate rates to ensure proper soil penetration.
Annual Flower and Perennial Beds	Mix ½ - 1 lb. of product per 100 gallons. Metric: Mix 227 - 454 g of product per 378 L.	Drench or sprench at appropriate rate to ensure proper soil penetration.
Granular Fertilizer Addition	Mix 1 - 5 lb. of product per 2000 lb. of granular fertilizer. Metric: Mix ½ - 2.25 kg of product per 900 kg of fertilizer.	Add last to blender/mixer.