



# Essential<sup>®</sup> Plus

1-0-1

## Guaranteed Analysis:

Total Nitrogen (N) .....	1 %
1.0% Water Insoluble Nitrogen	
Soluble Potash (K <sub>2</sub> O) .....	1 %
Iron (Fe).....	0.35 %
1.00% Chelated Iron (Fe)	

Derived From: Corn Protein Hydrolysate, Fish Protein Hydrolysate, Iron EDTA, Potassium Hydroxide

**Also Contains Non-Plant Food Ingredients:** (as soil amending ingredients)

Humic Acids (derived from Leonardite)..... 7.0 %

## Product Specifications:

Density ..... 9.27 lb./gallon (1.10 kg/liter) @ 68°F

## Product Description:

Essential Plus is a biostimulant that contains humic acid to aid in replenishing soils depleted in organic matter, microbial food sources for beneficial microorganisms, and iron to address micronutrient deficiencies.

## DPH Biologicals

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**Net Contents: 2.5 Gallon (9.5 L)**

**Net Weight: 23.17 lb. (10.53 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-ESPTF2-001

## FIRST AID

**Eye Contact:** Immediately flush plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists: Get medical advice/attention. **Skin Contact:** Wash off immediately with plenty of soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. **Inhalation:** Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician/poison center if individuals condition declines or if symptoms persist. **Ingestion:** Rinse mouth. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Call a poison center or doctor/physician if you feel unwell.

## Storage & Disposal:

**Storage:** Essential Plus 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-T&O-EP101-2.5G

### Mixing and Application:

Tank mix Essential Plus according to the directions in the table below. Mix only enough for the immediate application.

It is recommended to mix Essential Plus with other products the day of use and to apply the product within 24 hours of blending. Contact your DPH Biologicals representative for more specific rate recommendations.

TURF APPLICATIONS		
Application	Rate	Frequency
Regular Maintenance	2 – 5 fl. oz. into 1 – 4 gal of water per 1000 ft <sup>2</sup> Metric: 60 – 150 ml into 4 – 15 L of water per 93 m <sup>2</sup>	Greens apply every 14 – 28 days. Fairways apply monthly. Sports turf apply monthly. Lawn Care apply monthly.
Overseeding, Aeration, Newly Seeded Areas, Sod	2 – 5 fl. oz. into 1 – 4 gal of water per 1000 ft <sup>2</sup> Metric: 60 – 150 ml into 4 – 15 L water per 93 m <sup>2</sup>	Apply after time of aeration, before sodding and after seeding. Reapply monthly as needed until fully established.
Hydroseeding	15 – 25 fl. oz. per 5000 – 8000 ft <sup>2</sup> per 500 – 800 gal of slurry Metric: 443 – 740 ml per 465 – 745 m <sup>2</sup> per 1890 – 3025 L	Add to tank before seed and mulch. Reapply monthly at seeding rate as needed until fully established.

GREENHOUSE, NURSERY & LANDSCAPE APPLICATIONS		
Ornamental Tree and Shrub Care	<u>Initial Application:</u> 32 – 64 fl. oz. per 100 gal of water Metric: 1 – 2 L per 378 L of water <u>Maintenance:</u> 32 fl. oz. per 100 gal of water Metric: 1 L per 378 L of water	Soil inject, drench or spray at appropriate rates to ensure proper soil penetration. 2 inch DBH caliper tree requires 1.5 gal solution within the tree dripline area and 1 foot from the flair of the tree.
New Field Plantings and Landscape Transplants	<u>Initial Application:</u> 32 – 64 fl. oz. per 100 gal of water. Metric: 1 – 2 L per 378 L of water <u>Maintenance:</u> 32 fl. oz. per 100 gal of water Metric: 1 L per 378 L of water	Drench or sprench at appropriate rates to ensure proper soil penetration.
Annual Flower and Perennial Beds	<u>At Planting:</u> 16 – 32 fl. oz. per 100 gal of water Metric: ½ to 1 L per 378 L of water	Drench or sprench at appropriate rates to ensure proper soil penetration. Reapply monthly at lower rate.
Greenhouse Plants, Injection Systems	<u>Initial plug planting or seeding:</u> 16 – 32 fl. oz. per gal of stock tank at 1:100 Metric: ½ – 1 L per 3.78 L of stock tank at 1:100 <u>Constant feed:</u> 1 – 2 fl. oz. per gal of stock tank at 1:100 Metric: 30 – 60 ml per 3.78 L of stock tank at 1:100	Drench, sprench or spray at appropriate rates to ensure proper soil penetration.
Hydroponics, Constant Feed, Ebb and Flood	<u>Seeds or Plugs:</u> mix 1 – 2 fl. oz. per gal of water. Metric: 30 – 60 ml per 3.78 L of water <u>Charging:</u> 4 – 8 fl. oz. per 150 gal of water Metric: 120 – 240 ml per 560 L of water <u>Recharging:</u> 2 – 3 fl. oz. per 150 gal of water Metric: 60 – 90 ml per 560 L of water	Soak seeds or plugs in a solution before placing them in growing trays.  Recharge when new water is added.