



SP-1™

Guaranteed Analysis

Active Ingredient(s): as soil amending ingredient(s)

Microbial Content	0.5%
<i>Bacillus amyloliquefaciens</i>	1x10 ³ cfu/ml
<i>Bacillus licheniformis</i>	1x10 ³ cfu/ml
<i>Bacillus megaterium</i>	1x10 ³ cfu/ml
<i>Bacillus pumilus</i>	1x10 ³ cfu/ml
<i>Bacillus subtilis</i>	1x10 ³ cfu/ml

Total Other Ingredients:

Humus Extract, Water based culture medium, Algae.....	99.5%
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Product Specifications:

Density8.30 lb./gallon (0.99 kg/liter) @ 68°F

Product Description:

A biofertilizer designed to aid in the conversion of inorganic and organic fertilizers into plant available forms, decreases soil compaction and improves water infiltration in soils. Application of SP-1 increases microbial populations in the rhizosphere.

DPH Biologicals

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Net Contents: 2.5 Gallon (9.4 L)

Net Weight: 20.7 lb. (9.43 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-SP1TF-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 while removing all contaminated clothes and shoes. If skin irritation occurs: Get medical advice/attention.
Inhalation: Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician/poison center if individual's 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. Get medical attention if symptoms occur.

Storage & Disposal:

Storage: SP-1 should be stored in 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 ALLOW TO FREEZE.** Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment.

Disposal: Do not reuse this container. Rinse with water and add rinsate to spray tank, then offer container for recycling or by reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Product guaranteed effective up to 1 year 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-SP1T-2.5G

Mixing and Application:

Shake well before using. Tank mix SP-1 according to the directions in the table below. Mix only enough for the immediate application. Do not mix product with bactericides or copper compounds. Only mix SP-1 with other products the day of use.

TURF APPLICATION RATES		
Application	Rate	Directions
Regular Maintenance	6 – 20 fl. oz. in 1 – 4 gallons of water per 1000 ft ² .	Greens apply every 14–28 days. Fairways, Sport Turf, and Lawn Care apply every 28 days.
New Seeding, Overseeding, Aeration, Sod	Metric: 236–591 ml in 3.78 –15.5 L of water per 100 m ² .	Apply after seeding and aeration. Apply immediately prior to sod lay. Re-apply monthly as needed until full establishment.
Hydroseeding	60-100 fl. oz. per 5,000 – 8000 ft ² per 500-800 gallons of slurry. Metric: 1.75 – 3 liters per 465-745 m ² per 1800 – 3000 L	Add to tank before seed and mulch. Re-apply monthly at seeding rate as needed until fully established.

GREENHOUSE, NURSERY, AND LANDSCAPE RATES		
Ornamental Tree and Shrub Care	Initial Application: 1 – 2 gallons per 100 gallons of water. Metric: 3.78 – 7.60 L per 400 L.	Soil inject, drench or spray at appropriate rates to ensure proper soil penetration. 2-inch DBH Caliper Tree requires 1.5-gallon solution in the tree drip line area and 1 ft from the flair of the tree.
New Field Plantings and Landscape Transplants	Maintenance: 1 gallon per 100 gallons of water. Metric: 3.78 L per 400 L.	Drench or sprench at appropriate rates to ensure proper soil penetration.
Annual and Perennial Beds	At Planting: 16 – 32 fl. oz. per 100 gallons Metric: ½ to 1 L per 100 L	Drench or sprench at appropriate rates to ensure proper soil penetration. Re-apply monthly at 16 oz per 100 gallons. Metric: ½ liter per 375 liters
Greenhouse Injection Systems	Initial plug planting or seeding: 32 – 64 fl. oz. per gallon per stock tank at 1:100. Metric: 1 – 2 L per 3.78 L stock tank at 1:100. Constant feed: 4 – 8 fl. oz. per gallon stock tank at 1:100. Metric: 60 – 120 ml per 3.78-L stock tank at 1:100.	Drench or sprench at appropriate rates to ensure proper soil penetration.
Hydroponics (Constant Feed, Ebb and Flood)	Seeds or plugs: Mix 4 – 8 fl. oz. per gallon of water. Metric: 118-236 ml per 3.75 L of water. Charging: 16 – 32 fl. oz. per 150 gallons. Metric: ½ – 1 L per 500 L. Recharging: 8 – 12 fl. oz. per 150 gallons water. Metric: 236-354 ml per 500 L.	Soak seeds or plugs in a solution before placing them in growing trays. Charge/ Recharge when new water is added to system.

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