



# Residue<sup>®</sup> WS

F003166



## Guaranteed Analysis

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

Microbial Content .....	12.5 %
<i>Bacillus amyloliquefaciens</i> .....	1.25 x 10 <sup>9</sup> cfu/g
<i>Bacillus licheniformis</i> .....	5.00 x 10 <sup>9</sup> cfu/g
<i>Bacillus megaterium</i> .....	1.25 x 10 <sup>9</sup> cfu/g
<i>Bacillus pumilus</i> .....	3.75 x 10 <sup>9</sup> cfu/g
<i>Phanerochaete chrysosporium</i> .....	8.75 x 10 <sup>9</sup> cfu/g
<i>Trichoderma harzianum</i> .....	3.75 x 10 <sup>9</sup> cfu/g
Sugars (Sucrose as microbial food) .....	82.5
<b>Total Other Ingredients:</b> .....	<b>5.0 %</b>

## Product Description:

Residue WS is a proprietary blend of naturally occurring, nutrient cycling bacterial and fungal microorganisms plus a food source for digesting residual organic matter in or on the soil. These microorganisms were specially chosen to help aid in the breakdown of thatch and other organic matter in turf and reduce buildup of black layer on golf greens.

## DPH Biologicals

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[www.dphbiologicals.com](http://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-WS30TF-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 individuals(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:** Residue WS 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-RESWS-30LB

### Mixing and Application:

Tank mix Residue WS according to the directions in the table below. Mix only enough for the immediate application. Do not mix product with bactericides or copper compounds.

Liquid Solutions: 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 50-mesh screen to filter the slurry prior to adding to the spray tank or incorporating a 50-mesh screen in your application system to prevent clogging is recommended. It is recommended to mix Residue WS with other products the day of use and to apply the product within 24 hours of wetting. Consult your sales representative for more specific rate recommendations.

Dry Blending: blend Residue WS with the appropriate amount of dry fertilizer or solid material to cover the acreage you intend to treat.

TURF APPLICATIONS		
Application	Rate	Frequency/Directions
Regular Maintenance	Apply 2.5 – 3 oz of product into 50 – 100 gallons of water per acre. Metric: Apply 175 – 210 g of product into 467 – 934 L of water per ha.	Apply monthly throughout growing season.
Overseeding, Newly Seeded Areas, Sod, Aeration	Apply 1 – 3 oz of product per 5,000 ft <sup>2</sup> . Metric: Apply 28 – 85 g of product per 464 m <sup>2</sup> .	Apply at time of aeration, sodding or seeding in the seed hopper or with starter fertilizer and reapply monthly to maturity.
Hydroseeding	Apply 2 – 4 oz of product per 5000 – 8000 ft <sup>2</sup> per 500 – 800 gal of slurry. Metric: Apply 56 – 112 g of product per 464 – 743 m <sup>2</sup> per 1900 – 3000 L of slurry	Add to tank before seed and mulch and reapply monthly until mature.
Sand Topdressing or Divot & Ball Mark Repair	Apply 1.25 – 2.5 oz of product per cubic yard.	Mix thoroughly with sand just prior to use. Hand Repair: Lightly sprinkle into divot hole prior to replacement of turf.

GREENHOUSE, NURSERY & LANDSCAPE APPLICATIONS		
Application	Rate	Frequency/Directions
Ornamental Tree and Shrub Care	<u>Initial Application:</u> Apply 2.5 – 5 oz of product per 100 gal of water. Metric: Apply 71 – 142 g of product per 378 L of water. <u>Maintenance:</u> Apply 2.5 oz per 100 gal of water. Metric: Apply 71 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 2.5 – 5 oz of product per 100 gallons of water. Metric: Mix 71 – 142 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 in 0.5 – 2.5 oz of product per gal stock tank at 1:100. Metric: Mix 15 – 74 g of product per 4 L stock tank at 1:100 <u>Constant Feed:</u> Mix 0.3 oz of product per gal stock tank at 1:100 Metric: Mix 8.5 g of product per 4 L stock tank at 1:100	Drench or sprench at appropriate rates to ensure proper soil penetration. Repeat twice a month in high porosity bark mixes and once a month in low porosity peat mixes.
Annual and Perennial Flower Beds	Mix 1.25 – 2.5 oz of product per 100 gal of water. Metric: 35 – 70 grams of product per 378 L of water.	Drench or sprench at appropriate rates to ensure proper soil penetration. Repeat monthly in low CEC soils and every other month in mid to high CEC soils.
Granular Fertilizer Addition	Mix 2.5 – 10 oz of product per 2000 lb. of fertilizer Mix 78 – 313 g of product per 1000 kg of fertilizer.	Mix last into blender. Caution: do not allow dust control measures to remove product during blending.