



**CROP RESIDUE  
BREAKDOWN**



**IMPROVED SOIL  
HEALTH**



**ENHANCE  
NUTRIENTS  
AVAILABILITY**



**ENHANCED  
MICROBIAL  
ACTIVITY**



**CONVERT CARBON  
INTO NUTRIENTS**

## The Breakdown

### ***Phanaerochaete chrysosporium***

beneficial naturally occurring fungus capable of organic breakdown of the lignin (woody plant parts) of crop residue.

### ***Bacillus spp***

(bacteria) species that accelerate crop residue cellulose breakdown through the production of the enzyme cellulase.

### ***Trichoderma harzianum***

is a major producer of enzyme cellulase. Cellulases are enzymes that are responsible for breakdown of challenging crop residue components

### ***Sugars***

good food source for post activation and act as a binder



## Product Description

A 100% water-dispersible, comprehensive biological soil amendment and biofertilizer featuring a unique blend of naturally-occurring, nutrient-cycling fungal and bacterial microorganisms that accelerates the breakdown of residues; especially tough organic residues.

## Features

- Accelerated breakdown of residue allows for more carbon to be captured and recycled to help build soils.
- Captures nutrient value which would otherwise volatilize; conventional practices that utilize nitrogen sources to break down residues lose value from volatilization.
- Soil building is accelerated and increased soil aggregates are formed leading to enhanced nutrient uptake and improved soil health.



To learn more, visit [www.dphbio.com](http://www.dphbio.com) or call 1.800.648.7626

## Product Data

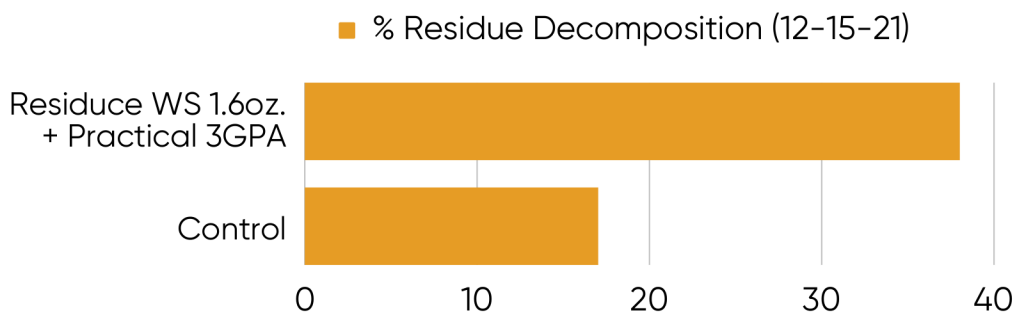
Residue® WS is a blend of fungi and bacteria that accelerate the breakdown of residues; especially tough organic residues like thatch and autumn leaves. When these are broken down quicker, more of the carbon in them is captured and recycled to help build soils. When soil building is accelerated, nutrient uptake by plants is enhanced and soil health is improved. That increase in soil health kickstarts growth and delivers healthier turf, trees, and shrubs.



**Figure 1 –**

Total Crop Residue degradation (%) recorded at two sample periods.

Residue WS showed accelerated crop residue (corn stalks) breakdown as compared to the untreated control. Fall application with evaluation on December 15th, 2021, Residue WS combined with calcium source (Practical).



## Application Methods

Crops	Rate	Frequency/Notes
All Crops	1-3 oz. per acre	Liquid: Apply using 10 – 20 gallons of tank mix per acre depending on application method. Dry: blend with appropriate amount of material to cover acres to be treated.

Consult your sales representative for more specific recommendations and proper application rates.