







BIOTORCH™ is specifically designed to break down crop residue in the field, improving planter performance, creating stronger stands and releasing valuable nutrients to feed the crop.

The patent-pending formulation of BIOTORCH is powered by the MICROBILIZE™ Microbe Technology Delivery System. This system provides the ideal carrier to ensure that microbes stay alive in the jug and have the optimum conditions to begin multiplying and breaking down residue.

The consortium of microbes included in BIOTORCH are specifically designed to digest crop residue and cycle nutrients back to the soil profile. Additionally, these microbes build improved soil tilth, reduce disease pressure and generate overall increased biological activity.

### 3:1 RETURN ON INVESTMENT

Through multi-location/multi-state research trials, BIOTORCH has proven to deliver a 3:1 return on investment through one or a combination of the following benefits.

	Breaking down residue faster will allow faster planting, stronger stands and fewer skips	<b>\$25/ac</b>
	More nutrients available early	<b>\$39/ac</b>
	Less tillage required	<b>\$18/ac</b>
	Improve soil health	<b>12%+</b> in soil health index

#### GUARANTEED ANALYSIS:

Alkyl Polyglucoside (surfactant) .....	35%
Organic acids (pH buffer) .....	5%
Rheology and dispersant agents .....	5%
Fulvic Acid .....	1%
CFUs per ml(g)*	
Bacillus coagulans .....	5.54 x 10 <sup>7</sup>
Bacillus amyloliquifaciens .....	6.24 x 10 <sup>7</sup>
Bacillus lichenformis .....	2.12 x 10 <sup>8</sup>
Bacillus megaterium .....	6.24 x 10 <sup>7</sup>
Bacillus pumilis .....	1.62 x 10 <sup>8</sup>
<b>Total CFUs .....</b>	<b>5.55 x 10<sup>8</sup></b>

\*In the final liquid form, contains 2.1 Trillion total colony forming units (CFUs) per gallon (2.1 x 10<sup>12</sup> CFU/gal) of the above microbes (1 gm = 1 ml).

#### DIRECTIONS FOR USE

Apply BIOTORCH to any crop residue.

#### FALL APPLICATIONS

Apply immediately after harvest for best performance.

#### SPRING APPLICATIONS

Apply with early herbicide application or in the termination of cover crops.

#### SUMMER APPLICATIONS

Ideal for breaking down wheat stubble. Specific timing for optimal use varies based on tillage practices, fertility levels and other factors. Contact your agronomist for specific recommendations.

*Works well with irrigation systems and drone applications.*

#### RECOMMENDED USE RATE

Apply 12.8 oz per acre with a minimum 10 gal of water. Highly compatible tank mix partner with most herbicide and fertility programs.

#### PRODUCT AVAILABILITY

Available in 2x2.5 gallon jugs (36 cases per pallet), 250-gallon totes or bulk.

**Density:** 9.54 lb/gal

**Specific Gravity:** 1.13 @ 68°F (20°C)

**Min. Storage Temp:** 15° F

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