



Enzymes with Water-Soluble Fertilizer

The phosphatase enzyme contained in Stoic™ Thrive powered by Ether™ Enzyme Technology releases phosphate from organic phosphate sources in the soil. The mannanase enzyme releases sugars from polysaccharide chains. The inclusion of active, chelated Zinc improves P:Zn ratio for better enzyme metabolic reaction in all crops. Also, gallic acids assist with early season abiotic stresses for a revolution in all starter systems.

This product is designed for dissolving in water and applying through fertilizing equipment into actively growing root zones, or injected near the seed during planting. It has a low salt index, so it is ideal for use as a starter or sidedress fertilizer applied directly to the soil or in-furrow.

Ether Enzyme Technology is designed to kick start the uptake of available soil nutrients and water, while maximizing microbial activity.

AGRONOMIC BENEFITS

Gallic Acids: improves early plant vigor and abiotic stress tolerance in plants. Also enhance antioxidant defenses, mitigate stress effects, and influence early-season plant growth and development.

Mannanase: Mannanase enzymes break down starches that surround the outermost layer of the root tip. This chemical reaction increases the flow of water and nutrients to the root zone and sugars in the plant. This in turn boosts root growth and increases microbial activity.

Phosphatase: Phosphatase enzymes release phosphate from organic phosphate sources in the soil, which increases nutrient availability and uptake.

PRODUCT BENEFITS

- Activates enzyme metabolic performance with inclusion of Zinc
- Inclusion of Zinc directly on the seed at an equivalent of 1 pint of Liquid Zinc
- Boosts root and plant growth
- Ensures proper germination and early seedling vigor
- Increases nutrient availability and uptake by roots
- Protection from early season abiotic stresses
- Acidifier for foliar application to lower pH and enhance effectiveness of pesticides and fungicides

GUARANTEED ANALYSIS

12-58-0

Total Nitrogen	12.00%
12.00% Ammoniacal Nitrogen	
Available Phosphate (P ₂ O ₅).....	58.00%
Zinc (Zn).....	0.10%
0.10% Chelated Zinc	

Derived from monoammonium phosphate and zinc EDTA.

ALSO CONTAINS BENEFICIAL SUBSTANCES

Gallic Acid.....	0.50%
Mannanase.....	5.0 x 10 ⁶ µUnits/g
Phosphatase	1.1 x 10 ³ µUnits/g

DIRECTIONS FOR USE

Stoic Thrive is recommended for multiple crops.

RECOMMENDED USE RATE

Starter or side-dress fertilizer: Use minimum of 2.5 lb/acre at planting, dissolved in warm water

For best use, mix 0.5 lb concentrate/gal of water. DO NOT exceed 2 lb Stoic Thrive per gallon of water. Repeat as needed

Direct Replacement for 10-34-0- starter fertilizer: For every 1 gal of 10-34-0 fertilizers, replace with 0.5 lbs of Stoic Thrive dissolved into 1 gal of water.

Use as a pH Buffer: To use as a pH buffer for fungicides and herbicides, please mix 0.25-0.5 dry oz/gal (results may vary based off water source pH).

A maximum of 2 lb Stoic Thrive can be dissolved per gallon. However, longer mix times are required and this is only recommended for users that have heated water and strong agitation.

May be run through irrigation systems.

PRODUCT DETAILS

50 lb bag (40 bags per pallet) or 2,000 lb super sack

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