



Zume™

Enzyme Product to Enhance Nutrient Availability

Zume soil applied enzymes utilizes the power of two enzymes to enhance nutrient availability and uptake at the rootzone during early growth and development. An application of Zume enzymes with liquid starter and zinc can help improve corn yield potential.

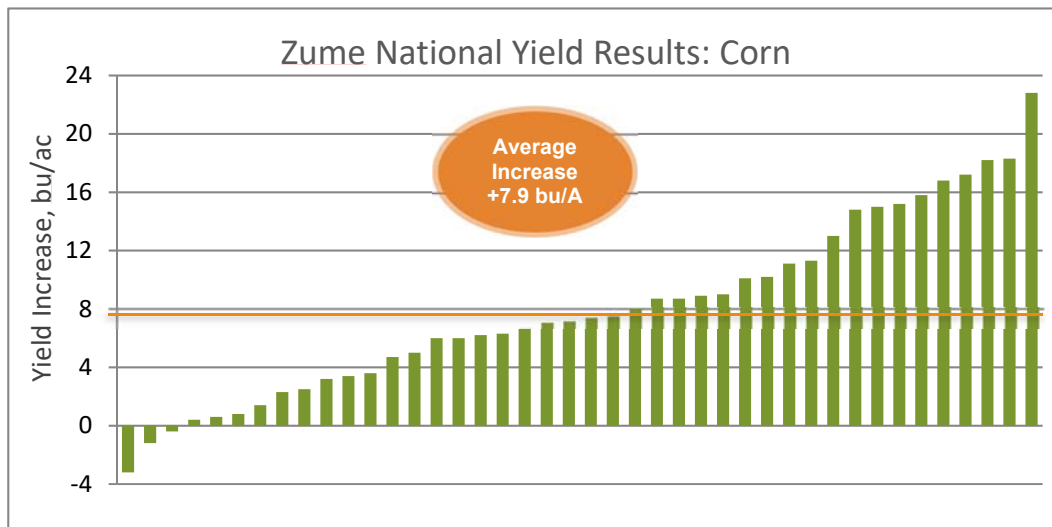
FEATURES AND BENEFITS

- Mannanase enzyme breaks down organic matter.
- Lipase enzyme breaks down root exudates and lipids.
- Helps improve fertilizer application efficiency by increasing the availability of nutrients which can help improve growth and development.

Why Do Enzymes Matter?

Enzymes are specialized proteins that trigger specific cellular processes. Enzymes naturally present in soils help break down soil particles for plant use. The smaller particles are also consumed by beneficial soil bacteria, which also produce additional beneficial enzymes. The result is more soil particle breakdown and more plant-available nutrients to help optimize yield potential.

Zume Improved Corn Yields



Zume soil applied enzymes help increase soil enzyme levels and soil microbial activity to help soil nutrients become more plant-available and ultimately optimize yield potential.

REGION
All

USE RATE†
Corn: 1 quart/A

APPLICATION GUIDE†
At planting

ACTIVE INGREDIENTS†
Lipase: 2,000 uUnits/mL
Mannanase: 1,000 uUnits/mL
4.0%: Zinc EDTA

PACKAGING
2 x 2.5 gallon jugs
250 gallon mini bulk

† Because of factors outside of Winfield Solutions' control, such as weather, product application, and any other factors, results to be obtained, including but not limited to yields, financial performance, or profits, cannot be predicted or guaranteed by Winfield Solutions. Actual results may vary. WinField is a registered trademark and WinField United is a trademark of Winfield Solutions, LLC. ©2019 WinField Solutions, LLC.



Zume®

Enzymes with Chelated Micronutrient

GUARANTEED ANALYSIS

Zinc (Zn)4.0%
4.0% Chelated Zinc (Zn)

Derived from: Zinc EDTA

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS: ACTIVE INGREDIENTS:

Lipase.....2,000 µUnits/mL
Mannanase.....1,000 mUnits/mL

KEEP OUT OF REACH OF CHILDREN

WARNING



Causes serious eye irritation.

PRECAUTIONARY STATEMENTS

Wash thoroughly after handling. Wear eye and face protection.

FIRST AID

IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical attention.

In Case of Medical Emergency, Call Toll Free 1-877-424-7452

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Storage: Store in a secure, well-ventilated, cool and dry area away from children, food and feed products. Store away from strong oxidizing agents. Keep container tightly closed when not in use. Store between 20°F - 110°F.

Disposal: Do not reuse container. Triple rinse (or equivalent) container prior to disposal. Dispose of contents/container in accordance with Federal, state and local regulations.

For Chemical Emergency Involving a Spill, Leak, Fire, Exposure or Accident, Call: CHEMTREC 1-800-424-9300

F1683

Distributed and Guaranteed By:
Winfield Solutions, LLC
P.O. Box 64589
St Paul, MN 55164-0589

Weight per gallon 9.7 lbs (4.40 kg)
Net Contents: 2.5 gallons (9.46 L)
Net Weight: 24.0 lbs (10.8 kg)
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GENERAL INFORMATION

Zume contains two enzymes that aid in converting organic matter, such as crop residue, into available nutrients. This product can enhance nutrient uptake and microbial activity near the root zone. **Zume** is not intended as a replacement for zinc fertilizer. Use this product as a supplement to current zinc practices.

DIRECTIONS FOR USE

Zume is designed for use on all soil types through drip, sprinkler or furrow irrigation systems or in band or infurrow fertilizer applications.

The rates recommended on this label are based on banded, in-furrow or fertigated application. Utilizing a fast lap on center pivots or adding at the end of an irrigation cycle is preferred to keep enzyme concentrations near the root zone.

If broadcast applications are made to soil, higher use rates may be needed to get adequate enzymes concentrations in the root zone or near the seed. Contact your local WinField United representative for more information.

MIXING INSTRUCTIONS

This product can be mixed with most NPK fertilizers that have a neutral pH range (5 to 9) as well as with water carrier solutions. Check chemical mixture compatibility using a jar test prior to application.

Add products in this order, mixing thoroughly after each addition:

1. Fill mix tank with half of the required water or fertilizer volume
2. Begin Agitation
3. Add pesticides
4. Fill tank with balance of water or fertilizer
5. Add Zinc Source, if applicable
6. Add **Zume**

RATE RECOMMENDATIONS

Soil Application

Corn: 1 quart per acre in-furrow or banded in combination with zinc or other starter fertilizer or 1 quart per acre banded in the strip till not more than 2 weeks before planting.

Field and Row Crops (other than corn): 1 quart per acre in-furrow or banded either as a stand alone or in combination with liquid NPK starter fertilizers at planting or 1 quart per acre banded in the strip till not more than 2 weeks before planting.

Vegetable Crops (brassicas, cucurbits, fruiting and leafy): 3 quarts per acre at planting or in transplant solution applied in the root zone through fertigation.

Potato, Sweet Potato: 2-3 quarts per acre in-furrow or banded either as a stand alone or in combination with liquid NPK starter fertilizers.

Fruits, Trees and Vines: 3 quarts per acre delivered in the root zone at the time of planting or during growth stages through fertigation. For individual trees or plants, the product may be diluted as above or sprinkled directly on the soil uniformly under the plant's drip line, then watered in.

Optimum rate of application will vary depending on treatment interval, soil properties (such as pH, organic matter content, texture), weather conditions, time of year, plant species and its nutrient requirements. For best results, follow soil/tissue test recommendation.

Information regarding the contents and levels of metals in this product is available on the internet at:
<http://www.aapfco.org./metals.html>

WARRANTY DISCLAIMER

Winfield Solutions, LLC warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NOR IS ANY REPRESENTATIVE OF SELLER AUTHORIZED TO MAKE ANY SUCH WARRANTY OR MODIFY THESE TERMS. This warranty does not extend to the storage, handling or use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such storage, handling or use. Seller shall not be responsible for incidental or consequential damages, if any, resulting from a breach of warranty.

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