

# BRANDT® EnzUp® Mn

Enzymes with Chelated Micronutrient

US Patent No. 11,124,460 & patents pending. CA patent pending.

## Guaranteed Analysis

Manganese (Mn) ..... 3.0%  
3.0% Chelated manganese

Derived from manganese EDTA.

F76

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

Lipase ..... 3.1 x 10<sup>1</sup> µUnits/mL  
Mannanase ..... 5.5 x 10<sup>5</sup> µUnits/mL

## General Information

BRANDT ENZUP Mn is designed for use on all soil types through drip, sprinkler or furrow irrigation systems or in band or in furrow fertilizer applications. The mannanase enzyme releases sugars from polysaccharide chains. Lipase enzymes break down lipids in the soil. NOTE: The rates given below 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 adequate product near the root zone. If broadcast applications are made, higher use rates may be needed to get into the root zone or near the seed.

It is a fully chelated solution recommended for the prevention and/or correction of manganese deficiency in all crops when used as part of a fertility program.

## Rate Recommendations

### Soil Application

**Field and Row Crops:** 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. For side-dress applications apply prior to or during peak nutrient uptake needs at 1 - 2 qt/ac in a minimum 2.5/gal ac of water or with NPK liquid fertilizers.

**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.

**Net Contents:** 2.5 gallons (9.46 liters)

Density: 9.57 lb/gal @ 68°F

Net Weight: 23.9 lb (10.8 kg)

**Packaged:** 2 x 2.5 gallons (2 x 9.46 liters)

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 elemental  
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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.

## Mixing and Handling 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. Fill mix tank with half of required water volume and begin agitation. Add products in this order, mixing thoroughly after each addition: adjuvants, pesticides, then fertilizers. Fill tank with remainder of water and continue agitation until solution is completely mixed. Check chemical mixture compatibility using a jar test prior to application.

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

Information about the components of this lot of fertilizer may be obtained by writing to BRANDT Consolidated, Inc. and giving the lot number which is found on the container or label.



WARNING: Causes serious eye irritation.

**Precautionary Statements:** Wear eye/face protection. Wash thoroughly after handling. **First Aid:** *If in eyes:* Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

**Storage and Disposal:** Do not contaminate water, food or feed by storage or disposal. Keep out of reach of children. Store away from heat, direct sunlight and incompatible materials. Best stored in an enclosed building capable of maintaining temperature below 110°F. Follow first in, first out inventory management practices. Dispose of contents/container in accordance with local authority requirements.

 **WARNING:** Cancer and Reproductive Harm-[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

LIMITED WARRANTY: BRANDT Consolidated, Inc. ("BCI") warrants that the Product conforms to the chemical description given on this label and is reasonably fit for the purpose stated when used in accordance with label directions under normal conditions of use. BCI AND SELLER MAKE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING 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. Buyer and User accept all risks arising from any use of this Product. To the extent allowed by law, BCI and the Seller shall not be liable to the Buyer or User of this Product for any consequential, special, incidental or indirect damages.

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