

# BRANDT® EnzUp® S DS

Enzyme with Water Soluble Fertilizer

21-0-0

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

## Guaranteed Analysis

Total Nitrogen (N).....	21.0%
20.0% Ammoniacal nitrogen	
1.0% Urea nitrogen	
Sulfur (S).....	23.0%

Derived from ammonium sulfate and urea. F76

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

Phosphatase.....	5.0 x 10 <sup>2</sup> µUnits/g
Mannanase.....	2.2 x 10 <sup>6</sup> µUnits/g

## General Information

The phosphatase enzyme contained in BRANDT ENZUP S DS releases phosphate from organic phosphate sources in the soil. The mannanase enzyme releases sugars from polysaccharide chains.

This product is designed for dissolving in water and applied through fertilizing equipment, injected into irrigation systems into actively growing root zones, or injected near the seed during planting. BRANDT ENZUP S DS is recommended for use on, but not limited to, vegetable and row crops, deciduous fruit and nut trees, citrus, avocados, vine and berry crops, pasture and range grasses and most other crops.

## Mixing and Handling Instructions

**Compatibility:** BRANDT ENZUP S DS is compatible with acid based fertilizers and other plant nutrients. A compatibility test is recommended if the desired combination has not been previously used.

DO NOT use this product with ammonium thiosulfate, potassium thiosulfate or other high pH or high free-ammonia products. When mixing with UAN solutions, add one gallon of water for every one gallon of UAN solution and blend well before adding BRANDT ENZUP S DS to insure complete and thorough mixing.

**Mixing:** Dissolve the recommended amount of BRANDT ENZUP S DS into approximately one half the required water. Slowly add the remaining water while maintaining constant agitation. Water quality and temperature will determine maximum solubility. Warmer water temperatures increase solubility and shorten dissolving time. As this product goes into solution, the water temperature will drop. Therefore it is important when preparing concentrated solutions to allow for this temperature drop to insure that the fertilizer is completely dissolved.

## Rate Recommendations

Dissolve 1-12 lb in sufficient water to treat one acre. Apply the following rates to the soil if you do not have a soil or leaf analysis:

Slight sulfur deficiency.....	1-4 lb/acre
Moderate sulfur deficiency.....	4-8 lb/acre
Severe sulfur deficiency.....	8-12 lb/acre

After initial application, monitor petiole sulfur levels and repeat application as needed.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfc.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 bag/label.

**Precautionary Statements:** Based on currently available data, this product is not classified as a hazardous substance. However, observe good industrial hygiene practices. Wash hands after handling. **Storage and Disposal:** Do not contaminate water, food or feed by storage or disposal. Keep out of reach of children. Store away from incompatible materials. 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 regulations.

**⚠ 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.

Net Weight: 25 lb/11.3 kg

LOT #

POWERED BY  
 elemental  
enzymes®

**BRANDT**®

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