

Brandt® Ligno Hort Mix

Liquid Complexed Micronutrient

Guaranteed Analysis

Magnesium (Mg)	1.00%
Sulfur (S)	2.50%
Boron (B)	0.35%
Cobalt (Co)	0.03%
Copper (Cu)	0.15%
Iron (Fe)	1.50%
Manganese (Mn)	0.45%
Molybdenum (Mo)	0.04%
Zinc (Zn)	0.50%

Derived from magnesium sulfate, cobalt sulfate, copper sulfate, ferrous sulfate, manganese sulfate and zinc sulfate, complexed with lignosulfonate; sodium borate and sodium molybdate.

General Information

Although formulated specifically for turf and ornamentals, this product may also be used on field, row, vegetable, fruit, tree and vine crops for the prevention and correction of micronutrient deficiencies. Applied alone, with pesticides, or with other fertilizers, this product may be applied directly to the soil or to the foliage of growing crops via ground sprayers, aircraft or fertigation systems.

Rate Recommendations

FOLIAR APPLICATION: Actively growing plants with young leaves absorb foliarly applied BRANDT LIGNO HORT MIX most efficiently. Immediate post-irrigation or post-rainfall application will enhance foliar uptake. Thorough coverage and wetting are needed for optimum foliar spray results.

Applications should be separated by a minimum of 7-14 days. AVOID foliar applications of this product when plants are under moisture stress. AVOID foliar applications to deciduous tree crops during bloom.

Dilute Applications: For rates higher than 2 quarts per acre, split applications of 2 quarts or less are preferred to minimize phytotoxicity.

Concentrate Applications: Use up to 1 quart in a minimum of 25 gallons of water per acre.

Aerial Applications: Up to 1 quart per 5 gallons of spray may be used, but more dilute solutions will improve coverage and results.

SOIL APPLICATION: The lower rates are for field, row and vegetable crops. The higher rates are for fruit, tree, and vine crops.

Soil Fertility Maintenance	1-3 qts./acre
Mild Deficiency	2-6 qts./acre
Severe Deficiency	1-3 gals./acre

Fertigation: Apply the recommended amount of product in split applications 1-2 weeks apart throughout the growing season.

Net Contents: 5 gallons (18.9 liters)

Density: 9.6 lb/gal @ 68°F
Net Weight: 47.5 lb (21.5 kg)

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Optimum rate of application will vary depending on soil properties (such as pH, organic matter content, texture), weather conditions, time of year, general crop health and crop species. For best results, follow soil or plant tissue test recommendation to monitor specific levels of micronutrients and maintain these levels for optimum plant growth.

Mixing and Handling Instructions

Shake, stir, or swirl contents before using. Put 1/3 to 2/3 of total required water volume in tank. Add recommended amount of this product before adding pesticides, adjuvants, or other fertilizers. Agitate until thoroughly mixed, then fill tank with remainder of water.

BRANDT LIGNO HORT MIX is compatible with most pesticides and fertilizers. However, if the desired combination has not been previously used, check for chemical mixture compatibility using a jar test prior to application.

WARNING: BRANDT LIGNO HORT MIX is recommended for all crops where boron may be deficient; however overapplication may result in serious injury to susceptible crops. The application of fertilizing materials containing molybdenum (Mo) may result in forage crops containing levels of molybdenum (Mo) which are toxic to ruminant animals.

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

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.



DANGER: Causes serious eye irritation. May cause cancer. May cause damage to organs through prolonged or repeated exposure. Suspected of damaging fertility or the unborn child.

Precautionary Statements: Wear eye/face protection and protective clothing/gloves. Do not breathe mist or vapor. Wash thoroughly after handling. Avoid release to the environment. **First Aid:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned or 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 locked up. Dispose of contents/container in accordance with local authority regulations.

Warranty: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use; but neither this warranty nor any other warranty of merchantability or fitness of a particular product expressed or implied, extends to the use of this product contrary to label conditions, or under conditions not reasonably foreseeable to the seller; and buyer assumes the risk of any such use.

Guaranteed By:
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