

# Chemurgic's Manganese 7

## Ligno+™

### Lignin-complexed Plant Nutrient



15258 020419

#### Chemurgic's Manganese 7 Ligno+ GUARANTEED ANALYSIS

Sulfur (S) .....	4.5%
Manganese (Mn) .....	7.0%

Derived from: manganese sulfate complexed with lignosulfonate.

ALSO CONTAINS NON-PLANT FOOD INGREDIENT  
1.0% Yucca schidigera

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



#### KEEP OUT OF REACH OF CHILDREN WARNING

##### Read Entire Label Before Using This Product

**HAZARD STATEMENTS:** May be harmful if swallowed. Causes eye irritation. Causes mild skin irritation. Harmful if inhaled.

**PRECAUTIONARY STATEMENTS:** Avoid breathing vapors. Wash hands, face and other affected areas thoroughly after handling. Use only outdoors or in a well-ventilated area.

**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 advice/attention.

**If skin irritation occurs:** Get medical advice/attention. Call a POISON CENTER or doctor if you feel unwell.

**GENERAL INFORMATION:** *Chemurgic's Manganese 7 Ligno+* is formulated to correct and prevent sulfur and manganese deficiencies in various fruit, nut, vine, vegetable and row crops, and ornamentals. *Chemurgic's Manganese 7 Ligno+* is a manganese source complexed with lignosulfonate to enhance uptake through plant tissues. Yucca schidigera is added to increase wetting and improve coverage of plant surfaces.

**DIRECTIONS FOR USE:** For soil applications, we recommend using *Chemurgic's Manganese 7 Ligno+* with nitrogen fertilizer solutions.

For best uptake in foliar applications of this product:

- Thoroughly cover and wet foliage.
- Apply to actively growing plants with young leaves.
- Apply just after irrigation or rainfall.
- Add urea (for example, 5 lbs. Lo-Bi Urea per 100 gal. of spray solution).

**Compatibility:** Compatible with most pesticides and fertilizers. If the desired combination has not been previously used, a compatibility test is recommended.

**Mixing:** Agitate product container prior to application. Always add *Chemurgic's Manganese 7 Ligno+* to the mixing tank before adding pesticides.

**FOLIAR APPLICATION:** Apply every 7 to 14 days minimum. Apply 1 to 4 qts./acre as needed on a 7 to 14 day schedule.

**Precautions:** DO NOT apply when plants are moisture stressed. DO NOT apply to deciduous tree crops during bloom.

##### SOIL APPLICATION:

Maintenance.....	1 to 3 qts./acre
Mild Deficiency .....	2 to 4 qts./acre
Severe Deficiency.....	1 to 3 gal./acre

Use lower rates for field, row and vegetable crops, and higher rates for fruit, ornamental, tree, turf and vine crops.

**If Using Fertigation:** Split the recommended amount between two applications, 7 to 14 days apart. Continue schedule through the growing season.

**Dilute Applications:** Apply the recommended dose in enough water for thorough coverage.

**Concentrate Applications:** Use up to 2 qts. of *Chemurgic's Manganese 7 Ligno+* in a minimum of 25 gal. of water.

**Aerial Applications:** Up to 1 qt. of *Chemurgic's Manganese 7 Ligno+* per gal. of spray may be used, but more dilute solutions will improve coverage and results.

**WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

##### CONDITIONS OF SALE AND WARRANTY

*Chemurgic Agricultural Chemicals, Inc.* warrants that this product conforms to the chemical description on the label and is reasonably suited for the purposes stated when used as recommended under normal conditions.

Unintended consequences such as crop damage or poor performance may result from factors including, but not limited to, method of application, timing, crop and soil condition, weather, and other materials present, all of which are beyond the control of *Chemurgic Agricultural Chemicals, Inc.* and Seller.

*Chemurgic Agricultural Chemicals, Inc.* neither makes, nor authorizes any agent or representative to make any other warranties, expressed or implied, including fitness or merchantability.

Buyer and user acknowledge and assume all risks and liability resulting from the handling, storage and use of this material.

In no case shall *Chemurgic Agricultural Chemicals, Inc.* or the Seller be liable for consequential, special, indirect, or incidental damages or losses resulting from the handling or use of this product.

The foregoing is a condition of sale by *Chemurgic Agricultural Chemicals, Inc.* and is accepted as such by the Buyer.

Made in the USA by  
**CHEMURGIC**

**Chemurgic Agricultural Chemicals, Inc.**  
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**Net Contents: 5 gals (18.92 liters)**