



GUARANTEED ANALYSIS

Total Nitrogen (N) 4.0%
 4.00% Ammoniacal Nitrogen
 Sulfur (S) 2.5%
 2.5% Combined Sulfur (s)
 Manganese (Mn) 4.0%
 4.0% Water Soluble Manganese (Mn)

Derived From: Anhydrous Ammonia, Manganese Sulfate, Manganese Humate, Manganese Glucoheptanate

FOR AGRICULTURAL AND PROFESSIONAL USE ONLY

KEEP OUT OF REACH OF CHILDREN



Avoid breathing mists. Harmful if swallowed. Avoid contact with skin, eyes or clothing.

FIRST AID

If in **eyes:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. If on **skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. If **swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. If **inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT, CALL 1-866-944-8565.

DIRECTIONS FOR USE

Uses include but are not limited to the research verified crop specific directions in the table below.

CROP	APPLICATION RATE PER ACRE	APPLICATION DIRECTIONS AND TIMING
(01) Root and Tuber Vegetables including Carrot, Ginseng, Horseradish, Parsley (turnip-rooted), Potato, Radish, Sugar Beet, Sweet Potato, Turnip	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: For aerial applications, use a minimum of 5 gallons of water per acre.
(03) Bulb Vegetables including Garlic, Leek, Onion	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: For aerial applications, use a minimum of 5 gallons of water per acre.
(04) Leafy Vegetables including Celery, Head and Leaf Lettuce and Spinach	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: For aerial applications, use a minimum of 5 gallons of water per acre. Caution: Foliar applications close to harvest may leave a brown residue on the harvestable portion of the crop. Rainfall, sprinkler irrigation or high humidity should alleviate this condition.
(05) Brassica Vegetables including Broccoli, Cabbage, Cauliflower, Kale, and Mustard greens	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: For aerial applications, use a minimum of 5 gallons of water per acre. Caution: Foliar applications close to harvest may leave a brown residue on the harvestable portion of the crop. Rainfall, sprinkler irrigation or high humidity should alleviate this condition.
(06) Legume Vegetables (Succulent or Dried) including Bean (all types), Peas and Soybeans**	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: For aerial applications, use a minimum of 5 gallons of water per acre.
(08) Fruiting Vegetables including Eggplant, Pepper and Tomato	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: For aerial applications, use a minimum of 5 gallons of water per acre. Caution: Foliar applications close to harvest may leave a brown residue on the harvestable portion of the crop. Rainfall, sprinkler irrigation or high humidity should alleviate this condition.
(09) Cucurbit Vegetables including Cantaloupe, Cucumber, Honeydew, Muskmelon, Squash (summer and winter) and Watermelon	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: For aerial applications, use a minimum of 5 gallons of water per acre. Caution: Foliar applications close to harvest may leave a brown residue on the harvestable portion of the crop. Rainfall, sprinkler irrigation or high humidity should alleviate this condition.
(10) Citrus Fruit including Grapefruit, Lemon, Lime, Sweet Orange and Tangerine	Soil: 1-12 qt/ac Foliar: 1-4 qt/ac	Soil: Inject 3 to 5 inches deep at the drip line, or surface band and water into the soil. May be applied with other fertilizers. Foliar: Dilute with water to ensure uniform distribution. For aerial applications, use a minimum of 5 gallons of water per acre. Repeat applications may be beneficial.
(11) Pome Fruits including Apple and Pear	Soil: 1-12 qt/ac Foliar: 1-4 qt/ac	Soil: Inject 3 to 5 inches deep at the drip line, or surface band and water into the soil. May be applied with other fertilizers. Foliar: Dilute with water to ensure uniform distribution. For aerial applications, use a minimum of 5 gallons of water per acre. Repeat applications may be beneficial.
(12) Stone Fruits including Apricot, Cherry, Peach and Plumcot	Soil: 1-12 qt/ac Foliar: 1-4 qt/ac	Soil: Inject 3 to 5 inches deep at the drip line, or surface band and water into the soil. May be applied with other fertilizers. Foliar: Dilute with water to ensure uniform distribution. For aerial applications, use a minimum of 5 gallons of water per acre. Repeat applications may be beneficial.
(13) Berry and Small Fruit including Blackberry, Blueberry, Caneberry, Kiwi, Raspberry and Grape	Soil: 1-12 qt/ac Foliar: 1-4 qt/ac	Soil: Inject 3 to 5 inches deep at the drip line, or surface band and water into the soil. May be applied with other fertilizers. Foliar: Dilute with water to ensure uniform distribution. For aerial applications, use a minimum of 5 gallons of water per acre. Repeat applications may be beneficial.
(14) Tree Nuts including Almonds, Cashews and Pecans	Soil: 1-12 qt/ac Foliar: 1-4 qt/ac	Soil: Inject 3 to 5 inches deep at the drip line, or surface band and water into the soil. May be applied with other fertilizers. Foliar: Dilute with water to ensure uniform distribution. For aerial applications, use a minimum of 5 gallons of water per acre. Repeat applications may be beneficial.

CROP	APPLICATION RATE PER ACRE	APPLICATION DIRECTIONS AND TIMING
(15) Grain, Cereal	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: For aerial applications, use a minimum of 5 gallons of water per acre.
(16) Forage, Fodder and Straw of Cereal Grains	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: For aerial applications, use a minimum of 5 gallons of water per acre.
(17) Grass Forage, Fodder and Hay	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: For aerial applications, use a minimum of 5 gallons of water per acre.
(18) Nongrass Animal Feeds including Alfalfa, Clover, Hay and Vetch	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: For aerial applications, use a minimum of 5 gallons of water per acre.
(19) Herbs and Spices including Basil, Dill, Mustard and Sage	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply through a drip system or inject into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: Dilute with water to ensure uniform distribution. Caution: Foliar applications close to harvest may leave a brown residue on the harvestable portion of the crop. Rainfall, sprinkler irrigation or high humidity should alleviate this condition.
(20) Oil Seed Crops including Canola**, Flax and Sunflower	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: For aerial applications, use a minimum of 5 gallons of water per acre.
(22) Stalk, Stem and leaf petiole vegetables, Asparagus, bamboo shoots and celery	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply through a drip system or inject into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: Dilute with water to ensure uniform distribution. Caution: Foliar applications close to harvest may leave a brown residue on the harvestable portion of the crop. Rainfall, sprinkler irrigation or high humidity should alleviate this condition.
(99) Cotton, Peanut, Sugarcane, Tobacco **	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply into the soil either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. Foliar: For aerial applications, use a minimum of 5 gallons of water per acre. a directed foliar spray. For aerial applications, use a minimum of 5 gallons of water per acre.
Ornamental and Landscape	Soil: 1-8 qt/ac Foliar: 1-4 qt/ac	Soil: Apply into the soil either. May be applied with other fertilizers. Foliar: Use a minimum of 2 gallons spray solution per 1000 sq ft every 7 to 14 days.
Turf	Soil: 0.75 – 6 fl oz / 1000 sq. ft Foliar: 0.75 – 3 fl oz / 1000 sq. ft	Soil: Apply into the soil either. May be applied with other fertilizers. Foliar: Use a minimum of 2 gallons spray solution per 1000 sq ft every 7 to 14 days.

*The underlined applications are considered the single most important application.

STORAGE AND DISPOSAL

STORAGE: Store in original containers only. Keep containers tightly closed when not in use. Store in a cool, dry well-ventilated area, preferably in a locked storage area away from children, feed and food products, and seed. Store at ambient temperatures. Do not contaminate water, food, or feed by storage or disposal.
DISPOSAL: Do not reuse container. Completely empty container into application equipment. Thoroughly rinse container, adding rinse water to the spray tank.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC 1-800-424-9300.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

BEFORE BUYING OR USING THIS PRODUCT, read the Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary. LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, when the product is used in accordance with such Directions for Use under normal conditions of use. LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-lpi.com/>

Tests have not been carried out under all possible use conditions and Seller cannot and does not represent or warrant that the goods are compatible with all other chemicals or under all use conditions.

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Density: 11.0 lbs/gallon @ 68 °F
Net Contents: 265 gallons (1,003.13 liters)
Net Weight: 2,915 lbs (1,322.22 kg)
 Product Code: 1000948174