



BLACKJACK™ Mn

4% Manganese 4-0-0

GUARANTEED ANALYSIS:

Total Nitrogen (N)	4.00%
4.00% Ammoniacal Nitrogen	
Sulfur (S)	2.50%
Manganese (Mn)	4.00%
4.00% Water Soluble Manganese (Mn)	

Derived from: Anhydrous Ammonia and Manganese Sulfate

FOR COMMERCIAL OR PROFESSIONAL USE ONLY
F1548

KEEP OUT OF REACH OF CHILDREN



WARNING

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



DENSITY: 11.00 LBS/GALLON @ 68° F
NET CONTENTS: 2.5 GALLONS (9.46 LITERS)
NET WEIGHT: 27.50 LBS (12.47 KG)

GUARANTEED BY:
LOVELAND PRODUCTS, INC.® P.O. BOX 1286 GREELEY, CO 80632-1286

BLACKJACK_MN_J0614

GENERAL INFORMATION

BLACKJACK™ Mn 4.00% Manganese 4-0-0 is recommended for foliar application as a dilute spray and should be applied early in the crops' growth cycle for maximum utilization. **BLACKJACK Mn** contains nitrogen, sulfur, and manganese. **BLACKJACK Mn** may be placed 1 to 2 inches below seeds or directly injected into root system because the product is non-phytotoxic.

BLACKJACK Mn is recommended for band application during pre-plant, planting, or side dress operations.

CAUTION: **BLACKJACK Mn** mixtures should be stirred daily.

NOTE: When used as directed this product does not supply all nutrients required by plants and is to supplement a soil fertility program based on soil tests.

DIRECTIONS FOR USE

FOLIAR APPLICATION RATES

Apply as needed based on soil tests or according to recommendations in your nutrient management plan. Recommended standard rate is 2 pints per acre. Contact your Loveland Products representative for specific information.

VEGETABLES, CUCURBITS, FIELD AND ROW CROPS:

Apply 1 to 4 pints per acre in 15 to 25 gallons of water per acre as a directed foliar spray when plants are 8 to 12 inches in height. For aerial applications, use a minimum of 5 gallons of water per acre. May be applied through center pivot irrigation systems.

DECIDUOUS FRUIT AND NUT TREES, GRAPES, OLIVES AND CITRUS: Apply 1 to 4 pints per acre. Aerial applications use a minimum of 15 gallons of water per acre. **NOTE:** For best results, use the lowest possible volume for thorough coverage and small droplet size.

TURF: Apply 3 to 6 ounces per 1,000 sq. ft. every 7 to 14 days or as needed. Apply in a minimum of 2 gallons spray solution per 1,000 sq. ft.

LANDSCAPE: Apply 0.5 to 2 gallons per 100 gallons of water. Apply as a soil solution at 1 to 2 gallons per 1,000 sq. ft. Volumes based on agronomic demands.

SOIL APPLICATION RATES

VEGETABLES, CUCURBITS, FIELD AND ROW CROPS:

Apply 1 to 4 quarts per acre. Apply through a drip system or inject into the soil 3 to 6 inches deep either below or off to the side of the plant row. May be applied with pre-plant or side-dress fertilizers. May be applied through center pivot irrigation systems.

DECIDUOUS FRUIT AND NUT TREES, GRAPES, OLIVES AND CITRUS: Apply 1 to 4 quarts per acre. Apply through a drip system or inject at the drip line 3 to 5 inches deep.

MIXING INSTRUCTIONS

BLACKJACK Mn disperses well in water. For best results, mix as follows:

1. Partially fill tank with water or fertilizer and start agitation.
2. Add other nutrients or pesticides if compatible.
3. Add **BLACKJACK Mn** to circulating tank mix.
4. Fill tank and agitate thoroughly.

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 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 on skin or clothing:** 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 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.

STORAGE AND DISPOSAL

STORAGE: Store above 40°F (4.4°C). Store product in dark fiberglass or plastic containers out of direct sunlight or UV light. 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. **PROTECT FROM FREEZING.** Do not contaminate water, food, or feed by storage or disposal. **DISPOSAL:** Do not reuse container. Triple rinse (or equivalent) and add rinsate to spray tank, then offer for recycling at an ACRS site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment wash waters or spray waste. **HANDLING:** Avoid breathing fertilizer mists. Avoid prolonged or repeated skin contact. Avoid eye contact. Wash hands thoroughly after handling this product.

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.

California Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

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.

BLACKJACK is a trademark of Loveland Products, Inc.