



M-4 Mix

A sequestered solution for use on crops and ornamentals

GUARANTEED ANALYSIS

Sulfur (S)	4.2%
Copper (Cu)	1.0%
Iron (Fe)	2.0%
Manganese (Mn)	2.0%
Zinc (Zn)	3.0%

Derived From: Zinc Sulfate, Ferrous Sulfate, Manganese Sulfate and Copper Sulfate. Complexed with Sodium Lignosulfonate.

F1548

FOR AGRICULTURAL AND PROFESSIONAL USE ONLY

KEEP OUT OF REACH OF CHILDREN



DANGER

Causes skin irritation and serious eye damage.

GENERAL INFORMATION

This is a non-phytotoxic micronutrient solution for foliar and soil application. The sequestered metals are highly available and absorbed by leaves and new woody shoots, or the root system, because of the sequestering agent's high complexing ability. Do not use aluminum or copper (including brass or bronze) components in any handling or storage equipment for this product. Mild Steel components should not be used except for emergency, or temporary, short-term service. Use stainless steel (316 or better), polyolefin (polyethylene, polypropylene, etc.), fiberglass, or other high-quality acid-resistant plastic materials. Check with equipment manufacturer for compatibility of components prior to use with this product.

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.

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

GENERAL RECOMMENDATIONS

PESTICIDE COMPATIBILITY: M-4 MIX is generally compatible with insecticides, herbicides, miticides, fungicides and foliar nutrients. It may be incorporated into existing spray programs. Add micronutrient to water before adding pesticides. It is always advisable to first test for compatibility on a small scale before tank mixing products. **FERTILIZER COMPATIBILITY:** This product is compatible with 32.0% and 28.0% Nitrogen solutions. Addition of this product to any other type of fertilizer solution, especially concentrates, should not be done without first testing for compatibility on a small scale. **FOLIAR APPLICATION:** For best absorption into the plant, apply this product in early morning or late evening. For aerial application use at least 1.0 gallon of water for every pint of this product applied to the crop. Consult your local farm advisor for information on sensitive varieties and hybrids.

M-4 MIX is recommended for application to the following crops:

Unless stated differently on crops below, apply 1.0 to 4.0 quarts or 2.0 to 8.0 quarts per acre for soil application within 3 weeks after emergence. Split applications are preferred over a single application. Timing and rates for split applications are 1.0 to 2.0 quarts foliar or 2.0 to 4.0 quarts banded within 3 weeks after emergence and repeat application before bloom.

APPLICATION RECOMMENDATIONS

Alfalfa	Brussel Sprouts	Garlic	Oats	Plums	Spinach
Almonds	Carrots	Grapes	Olives	Pomegranates	Strawberries
Apples	Celery	Grass	Onions	Potatoes	Sugar Beets
Apricots	Cherries	Hops	Ornamentals	Pasture & Range Grass	Sugar Cane
Asparagus	Citrus	Lettuce	Peaches	Prunes	Sweet Corn
Avocado	Corn	Melons	Pears	Rape	Tomatoes
Barley	Cotton	Milo	Peas	Rice	Turf Grass
Beans (all)	Cranberries	Mint	Peanuts	Safflower	Walnuts
Boysenberries	Cucumbers	Nectarines	Pecans	Sorghum	Watermelons
Broccoli	Figs	Nursery Stock	Peppers	Soybeans	Wheat

FRUIT AND NUT CROPS

ALMONDS: Soil: In early spring, apply 1.0 to 3.0 gallons per acre, with pesticide, irrigation water or fertilizer. **Foliage:** Mix 1.0 to 4.0 quarts per acre with sufficient water and apply as a thorough cover spray dormant or delayed with oil or pesticide. Repeat at petal fall and cover sprays at 1.0 to 4.0 quarts per acre. **APPLES AND PEARS: Soil:** In early spring, apply 1.0 to 3.0 gallons per acre, with pesticide, irrigation water or fertilizer. **Foliage:** Mix 1.0 to 4.0 quarts per acre with sufficient water and apply as a thorough cover spray dormant or delayed dormant with oil or pesticide. Repeat at petal fall and cover sprays at 1.0 to 4.0 quarts per acre. **APRICOTS, NECTARINES, PEACHES, PLUMS, AND PRUNES: Soil:** In early spring apply 1.0 to 3.0 gallons per acre, with pesticide, irrigation water or fertilizer. **Foliage:** Mix 2.0 to 3.0 quarts per acre with sufficient water and apply as a thorough cover spray dormant or delayed dormant with oil or pesticide. Repeat at petal fall and cover sprays at 1.0 to 4.0 quarts per acre. **CAUTION:** Do not apply more than 2.0 quarts per acre to plums or sensitive varieties with cover sprays. **CHERRIES: Soil:** In early spring apply 1.0 to 3.0 gallons per acre, with pesticide, irrigation water or fertilizer. **Foliage:** Mix 1.0 to 4.0 quarts per acre with sufficient water and apply as a thorough cover spray dormant or delayed dormant with oil or pesticide. Repeat at petal fall and cover sprays at 1.0 to 2.0 quarts per acre. **CITRUS: Soil:** In early spring, apply 1.0 to 3.0 gallons per acre, with pesticide, irrigation water or fertilizer. **Foliage:** Mix 4.0 to 8.0 quarts per acre with sufficient water and apply during spring and fall growth flush. Repeat during growing season at 1.0 to 4.0 quarts per acre with pesticide cover sprays. **GRAPES: Soil:** Apply 2.0 to 6.0 quarts per acre before bloom as foliage or soil application. Add 1.0 to 3.0 quarts per acre to each pesticide spray. For best results apply 2.0 quarts per acre near bud swell and 2.0 quarts per acre when shoots are 4 to 6 inches long. **PECANS: Soil:** In early spring apply 1.0 to 3.0 gallons per acre with pesticide, irrigation water or fertilizer. **Foliage:** Mix 2.0 to 4.0 quarts per acre in sufficient water and apply as a thorough cover spray dormant or delayed dormant with oil or pesticide. Repeat at petal fall and cover sprays at 1.0 to 4.0 quarts per acre. **OTHER FRUIT AND NUT CROPS: Soil:** In early spring apply 1.0 to 3.0 gallons per acre with pesticide irrigation water or fertilizer. **Foliage:** Mix 2.0 to 4.0 quarts per acre with sufficient water and apply as a thorough cover spray dormant or delayed dormant with oil or pesticide. Repeat at petal fall and cover sprays at 1.0 to 4.0 quarts per acre.

FIELD AND VEGETABLE CROPS

BEANS: Soil: Apply 1.0 to 2.0 gallons per acre with irrigation water, pesticides, or fertilizer before the 4th trifoliolate. **Foliage:** Apply 1.0 to 4.0 quarts per acre to foliage with sufficient water when beans are between the 2nd and 4th trifoliolate stage. Apply 2.0 to 4.0 pints per acre with normal pesticide spray program. **CORN:** Apply 1.0 to 4.0 quarts per acre to the foliage or soil. For best results split application as follows. Apply 1.0 to 2.0 quarts per acre to the foliage or soil (band) within 3 weeks of emergence, and apply 1.0 to 3.0 pints per acre with each pesticide application prior to bloom. **COTTON:** Apply 1.0 to 4.0 quarts per acre to the foliage or soil. For best results split application as follows. Apply 1.0 to 2.0 quarts per acre to the foliage or soil (band) within 3 weeks of emergence, and apply 1.0 to 3.0 pints per acre with each pesticide application prior to bloom. **POTATOES: Soil:** Apply 1.0 to 4.0 quarts per acre at or near planting. **Foliage:** In early spring apply 1.0 to 4.0 quarts per acre at or near planting. **Foliage:** In early spring apply 1.0 to 2.0 quarts per acre with sufficient water to give complete coverage. Repeat application within 2 to 4 weeks especially where deficiencies are known to occur. **RICE: Foliage:** Apply 2.0 to 4.0 quarts per acre in sufficient water to assure thorough coverage. For best results apply 1.0 to 2.0 quarts with first pesticide application and 1.0 to 2.0 quarts per acre prior to pollination. **SMALL GRAINS: Soil:** Band, sidedress or broadcast 1.0 to 8.0 quarts per acre at planting or within 2 weeks of emergence. **Foliage:** Apply 1.0 quart per acre in sufficient water for complete coverage. Apply within 30 days after planting and before flowering. Split applications are preferred over a single application. **SORGHUM:** Apply 1.0 to 4.0 quarts per acre to the foliage or soil. For best results split application as follows. Apply 1.0 to 2.0 quarts per acre to the foliage or soil (band) within 3 weeks of emergence. Apply 1.0 to 3.0 pints per acre with each pesticide application prior to bloom. **OTHER FIELD AND VEGETABLE CROPS:** Apply 1.0 to 4.0 quarts per acre to the foliage or soil. For best results split application as follows. Apply 1.0 to 2.0 quarts per acre to the foliage or soil (band) within 3 weeks of emergence. Apply 1.0 to 3.0 pints per acre with each pesticide application prior to bloom.

OTHER CROPS AND USES

ORNAMENTALS, CONTAINER-GROWN TREES AND SHRUBS, AND FIELD-GROWN NURSERY STOCK: Soil: Apply 1.0 to 4.0 ounces per 100 square feet. Repeat application at fertilization or regular intervals. **Foliage:** Apply 1.0 to 2.0 quarts per acre as a thorough cover spray. **GREENHOUSE GROWN CHRYSANTHEMUMS, ROSES, CARNATIONS, AND POTTED PLANTS: Soil Only:** Apply 1.0 to 3.0 ounces per 100 square feet at regular intervals with fertilizer or drip irrigation. **TURF GRASSES:** Apply 1.0 quart per acre or 1.0 to 2.0 ounces per 1000 square feet. Mix with water, liquid fertilizer solution or pesticide solution and apply in early spring. Repeat as needed.

APPLICATION WITH IRRIGATION WATER

PIVOT, SPRINKLER, OVERHEAD AND SOLID SET IRRIGATION: Apply 1.0 to 8.0 quarts per acre with irrigation water. The product may be incorporated into fertilizer and/or pesticide before injection. Use back-flow check valve to prevent material from running back into water system.

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. Plastic: Triple rinse (or equivalent), adding rinse water to spray tank, then offer for recycling at an ACRC site (go to <http://www.acrcycle.org/>) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food, or feed by storage or disposal. **HANDLING:** Avoid breathing fertilizer mists. Avoid prolonged or repeated skin contact. Avoid eye contact. Wash hands thoroughly after handling this product.

Do Not Store Below 32° F

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.

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.

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

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

Bulk Density: 10.50 lbs/gallon @ 68 °F
Net Contents: 5.0 gallons (18.93 liters)
Net Weight: 52.50 lbs (23.81 kg)
product code: 1000175209