



**CAUTION**—This product contains BORON and MOLYBDENUM. Determine plant sensitivity prior to use. Plants containing excess MOLYBDENUM are toxic to livestock. Crops sensitive to either or both of these two elements may be injured.



# ZMC EXPRESS®

## (CHELATING AGENT-EDTA)

A chelate for use only on agricultural and horticultural crops and ornamentals.

### GUARANTEED ANALYSIS

Calcium (Ca) .....	2.70%
2.70% Chelated Calcium (Ca)	
Magnesium (Mg) Total .....	2.10%
2.10% Chelated Magnesium (Mg)	
Boron (B) .....	1.20%
Iron (Fe) .....	0.90%
0.90% Chelated Iron (Fe)	
Manganese (Mn) .....	1.80%
1.80% Chelated Manganese (Mn)	
Molybdenum (Mo) .....	0.10%
Zinc (Zn) .....	3.70%
3.70% Chelated Zinc (Zn)	

Derived From: Calcium EDTA, Magnesium EDTA, Iron EDTA, Manganese EDTA, Zinc EDTA, Sodium Borate and Ammonium Molybdate.  
Chelating agent is EDTA (ethylenediaminetetraacetic acid).

### FOR TREATMENT OF SOILS AND CROPS WHERE MICRONUTRIENT DEFICIENCY IS DIAGNOSED OR SUSPECTED.

To improve foliage absorption and effectiveness, add Nu-Film-17 to all foliar applied sprays. **Miller ZMC Express** is particularly suitable for foliar application, inclusion in liquid feeds and hydroponic mixes and for soil application. Foliar fertilization is intended as a supplement to a regular fertilization program and will not, by itself, provide all the nutrients normally required by agricultural crops. Plants need only very small amounts of micronutrients for maximum growth. Thus, while a deficiency of any essential element will greatly reduce plant growth, the overuse of micronutrients can produce a harmful level of these nutrients in the soil which may be more difficult to correct than a deficiency.

### MIXING

**Miller ZMC Express** is soluble in water. When mixing, do NOT pre-mix with a small amount of water before adding to the spray tank. The material should be added slowly to the main bulk of the water while it is being agitated. Agitation should continue for a minute or two after the addition of **Miller ZMC Express**. If pesticides are to be used in the spray mix, add them after the **Miller ZMC Express** has dissolved.

### CROPS SUSCEPTIBLE TO MICRONUTRIENT DEFICIENCY

**Miller ZMC Express** is recommended for crops such as alfalfa, almonds, avocados, apples, broccoli, cabbage, cauliflower, carrots, celery, citrus, corn, grapes, lettuce, milo, melons, nectarines, rice, pears, peaches, pecans, peppers, plums, prunes, potatoes, peanuts, sorghum, sugar beets, sweet corn, sugar cane, strawberries, tomatoes, turnips, walnuts, watermelons, wheat and most other crops.

### GENERAL INFORMATION

This product gives best results when crops have adequate supplies of water and major nutrients, and are not under stress for other reasons. Conditions which are responsible for one particular deficiency can also induce deficiencies of other trace elements.

### APPLICATION RATES OF MILLER ZMC EXPRESS

Use ½ to 1 lb. of **Miller ZMC Express** per acre for vegetables, trees and row crops as a foliar application.  
Use ½ to 2 lbs. of **Miller ZMC Express** per acre for soil applications through drip, microjet or other delivery systems.

Use the following chart as a reference for foliar application to particular crops:

CROP	RATE OF USE LBS / ACRE		
	Severe Deficiency	Moderate Deficiency	Maintenance
Fruit Trees	1	1	0.5
Vegetables	1	0.5 to 1	0.5
Row Crops	1	0.5 to 1	0.5

### APPLICATION: POST HARVEST TREE, VINE, NUTS and CITRUS

Apply **Miller ZMC Express** at no more than 2 lbs. per acre foliarly in post harvest sprays. Use sufficient water for good coverage. Follow all other directions and safety precautions currently on the label.

**ORNAMENTALS:** One teaspoon per gallon of water every 2 to 4 weeks. Use enough water to cover thoroughly or approximately 1 gallon per 10 square feet. **Miller ZMC Express** can be incorporated into NPK fertilizer at 4 oz. per 50 lbs. of NPK.

### APPLICATION RECOMMENDATION FOR TURF:

**GREENS:** Apply **Miller ZMC Express** ½ lb. per acre (43,560 sq. ft.) in a minimum of 150 to 200 gallons of water. **Miller ZMC Express** at ½ lb. in 150 to 200 gallons of water will cover approximately six average greens. Best results will be seen where **Miller ZMC Express** is applied in early spring when greens are actively growing. Four or more applications may be made at monthly intervals to help maintain vigor and color. Applications should always be made later in the evening or early in the morning to reduce potential for phytotoxicity.

**FAIRWAYS AND LAWNS:** Apply **Miller ZMC Express** at 1 lb. per acre in a minimum of 40 gallons of water. Use three or more applications per year to maintain fine healthy turf.

**FOLIAR SOLUBLE SPRAYS:** The addition of soluble fertilizer sprays may improve absorption and efficiency of micronutrient uptake. **Miller Nutri-Leaf** or **Sol-U-Gro** has been especially formulated to optimize the performance of foliar applied **Miller ZMC Express**. The recommended rate of **Miller Nutri-Leaf** or **Sol-U-Gro** should be used at their labeled rates. For maximum effect from any foliar spray, apply during early morning or late evening, not in bright sunshine.

**CAUTION:** Do not apply more than 1 lb. per acre of any single chelate or mixture of chelates per foliar application as crop injury may occur. Multiple chelate applications should be made at no less than 10 to 14 day intervals to reduce the potential for crop injury.

### PRECAUTIONS

Wash hands with soap and water before meals and after work. Store in the original container tightly closed, in a dry place. Store away from children, pets, livestock and foodstuffs.

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

Use this product in accordance with good agronomic practices, which include utilizing proven spray equipment set for proper coverage. Do not make applications when temperatures are too hot, as crop damage may occur. Applications should be made at temperature levels and when other environmental conditions in your area are such that your experience indicates the application will be compatible and will accomplish the desired result.

**NOTICE OF WARRANTY:** Miller warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Miller. In no case shall Miller be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. **MILLER MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

Information concerning the raw materials composing this product can be obtained by writing to Miller Chemical & Fert. Corp., P.O. Box 333, Hanover, PA 17331. Please refer to the product/batch number found on this container.

10/06

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

Manufactured For  
**MILLER CHEMICAL & FERTILIZER CORPORATION**  
P.O. Box 333  
Hanover, Pennsylvania 17331, USA  
Product of U.K.

**Net Weight 5 lb (2.268 kg)**