

Quantum Manganese Mn 5% EDTA

EXCELLENT COMPATIBILITY FOLIAR Mn

GUARANTEED ANALYSIS:

Manganese (Mn)..... 5%
5% Chelated Manganese (Mn)

Derived from:
manganese EDTA (ethylenediamine tetraacetic acid).

Quantum Manganese Mn 5% EDTA Advantages

Highly concentrated Manganese chelated fertilizer (EDTA) is intended for the prevention and correction of Manganese deficiency in all crops when used as a part of a balanced fertility program. Fully compatible in a tank mix due to the Extra-Chelate technology.

The fully chelation shields and protects the nutrients, which prevents them from reacting and binding with other elements in the soil and other fertilizers. This protection helps ensure that nutrients remain available to the plant in a wide range of tank mixes, as well as pH and soil conditions.

- ◆ 100% chelated form of trace elements for maximum stability and effectiveness.
- ◆ Excellent compatibility in tank mix compatible with liquid starters (orthophosphates) and other highly concentrated fertilizers, biostimulants and plant protection products.
- ◆ More efficient than other forms of nutrients; up to 6x more availability vs non chelated nutrients.
- ◆ Approved for use with herbicides, fungicides and insecticides.
- ◆ Maximum manganese efficiency, which allows for a lower application rate per acre.
- ◆ Manganese is critical to photosynthesis, nitrogen metabolism and carbohydrate utilization. It also strengthens the plant's immune system and natural defenses, aids in herbicide metabolism.

 **NET CONTENTS:**
2.5 gallons (9.46 liters)

 **NET WEIGHT:**
26.9 lbs / 12.2 kgs

 **DENSITY/ WEIGHT PER GALLON:**
10.75 Lbs (4.88 kg) at 68°F (20° C)

 **DO NOT STORE BELOW**
40°F (5°C)

**EXTRA
CHELATE
TECHNOLOGY**

Advanced technologies require complex tank mixes for preparing a foliar feeding solution, seed treatment, IN-FURROW™ application or fertigation. **Extra chelate Technology** protects trace elements from interaction with other fertilizers, biostimulants and plant protection agents in tank mixes or soil in a wide pH range.

RATE RECOMMENDATIONS

Soil applications: Quantum Manganese Mn 5% EDTA is recommended for use on all types of soils.

Quantum Manganese Mn 5% EDTA can be applied alone or in combination with dry or liquid fertilizer for band, in-furrow, side-dress or broadcast 1 pt. to 8 qts. per acre pre-plant, at planting or within 2 weeks after emergence, or when deficiency symptoms first appear. Detailed recommendations for the In-furrow application are below.

Aerial: Apply 0.5 to 1 pt. of Quantum Manganese Mn 5% EDTA per acre in at least 10 gal. of water.

Foliar Application: Quantum Manganese Mn 5% EDTA may be applied as a foliar application to crops at rates ranging from 1 to 3 pints per acre. Applications should be separated by a minimum of 10-14 days.

CROPS	IN-FURROW APPLICATION RATES	FOLIAR APPLICATION RATES
FIELD CROPS		
Corn	1–2 pt/acre in starter fertilizer. Rate will depend on extent of deficiency and soil conditions.	1–2 pt/acre between V4 and V8, 2nd application between V10-VT. Can be used in conjunction with herbicide.
Soybeans, beans	1 pt/acre in starter fertilizer. Rate will depend on extent of deficiency and soil conditions.	Apply 0.75 to 1.5 pt/acre between V3 to R1 at 2 to 3 week intervals as needed. Then when soybeans are in the earlier reproductive stage (R1 to R3).
Sugar beet		Apply 0.75 to 1.5 pt/acre during leaf development.
Cereal grains		Apply 0.75 to 1.5 pt/acre from tillering to pollination.
Other field crops		Apply 1 pt/acre in sufficient water for thorough coverage. Every 2-3 weeks, starting 2 weeks during growth.

CROPS	FOLIAR APPLICATION RATES
Fruit, tree & vine crops	Apply at 1–3 pt/acre starting at bud break or when deficiency symptoms appear. Repeat the application in about 4 weeks if necessary.
Vegetable crops	Apply at 1–3 pt/acre about 2-4 weeks after emergence, or when deficiency symptoms appear in sufficient spray volume for thorough coverage. Repeat the application in 1-3 weeks if necessary.

Quantum Manganese Mn 5% EDTA is compatible with herbicides, insecticides and most agricultural chemicals that may be utilized in combination with liquid fertilizer. However, if the desired combination has not been previously used, a compatibility test is recommended (jar test).

Distributed and guaranteed by
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