



SAGREX

# LIQUID

# MANGANESE

Natural Organic Micronutrient Chelates

FOR ALL KINDS OF CROPS  
PLANTS AND ORNAMENTALS



## FUNCTIONS:

1. Have a direct or indirect influence on chloroplast and their conversion of sunlight to chemical energy.
2. Serve as an activator for a variety of enzyme reactions such as oxidation/ reduction, hydrolysis and group transfer.
3. Part of important enzyme involved in respiration & protein synthesis.
4. Activates the reduction of nitrate and hydroxylamine to Ammonia.



Exclusively Distributed in the Philippines by  
**SAGREX CORPORATION**

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Manufactured by  
**GROW MORE**  
Gardena, California, USA

# LIQUID MANGANESE

## Guaranteed Analysis

Manganese.....	5%
Sulfur.....	4%

Manganese is a vital enzyme activator to principal processes in plants. It greatly influences formation of chlorophyll (green pigments) through photosynthesis as it particularly facilitates reduction reactions of respiration of nitrite and hydroxylamine to ammonia and on oxidation and respiration. It predominates in the metabolism of organic acids as this is also closely associated with phosphate fertilization.

Deficiency is characterized by chlorosis as flecking, streaking or mottling depending on the crop affected. Growth is stunted, and necrotic areas may develop on the leaves or elsewhere. Root development is often subnormal. Stems are yellowish-green, often hard and woody.

Application		
Deficiency	Rate / ha	Frequency
Crop maintenance	2 Liters / ha	15 days
Moderate deficiency	4-5 Liters / ha	15 days
Severe deficiency	6-8 Liters / ha	15 days

LIQUID Manganese is recommended to be used during the entire growth of plants, especially if there is much carry-over of elements iron, zinc, magnesium and calcium.

This material is more efficient if applied after heavy rain or irrigation. Apply early morning or late afternoon. If soil-drenched, double dosage.