

# 5% Manganese EDTA Solution

## **PREMIUM** Liquid Manganese – Fully Chelated with Ethylene diamine tetra acetate

- Best source for blending
- Chelating with EDTA protects Manganese from tie up in calcareous soils
- Safe for both Soil and Foliar applications

### About Manganese (Mn):

- Manganese functions primarily as a part of plant enzyme systems.
- Manganese plays a direct role in photosynthesis by aiding chlorophyll synthesis.
- Deficiencies often occur in high organic matter soils, neutral to alkaline pH and in soils naturally low in Manganese.
- Manganese is mobile in soils, but not within plants.
- High levels of Iron, Copper or Zinc may reduce Manganese uptake.

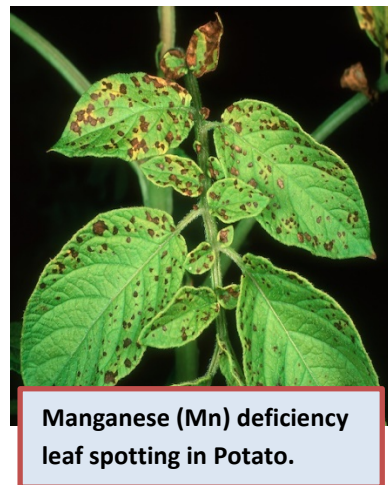
**Symptom Description** — Manganese is immobile in the plant, so its deficiency appears as reduced or stunted growth with visual interveinal chlorosis on younger leaves. Cereals can develop gray spots on their lower leaves, and legumes can develop necrotic areas on their cotyledons. Soybeans and potatoes commonly show interveinal chlorosis on the upper leaves, while veins remain green. Leaves become pale green first, then pale yellow. As deficiency becomes more severe, brown, dead areas appear.



Manganese Deficiency in Wheat



Manganese deficient Grape.



Manganese (Mn) deficiency leaf spotting in Potato.



Manganese deficiency in Corn showing typical interveinal chlorosis.