



# VITAL MANGANESE

## Introduction

Manganese (Mn) is one of the most important micronutrients required for normal crop production. It is vital for photosynthesis, cell repair, helps in triggering natural plant defenses and controls supply of auxins and other growth regulators. Its deficiency decreases leaf chlorophyll, auxins and other growth regulators content, thus, reduces photosynthesis, resulting in poor yield and low quality of the produce. Soils with high pH and organic matter tie up Manganese making it unavailable for plant uptake.

Vital Manganese (4%) is a specially formulated fertilizer by using AgriSol's proprietary ERMP technology to prevent and quickly correct Mn deficiencies. Vital Manganese (4%) is made with all chelated non-sulfate sources of Manganese, which can be used along with calcium products. Vital Manganese promotes earlier maturity, which is vital in the short growing season regions of Western Canada or elsewhere.

## Benefits

- Radially available chelated Mn that quickly overcome Manganese deficiency.
- Vital Mn helps in uptake of other nutrients in plants and improves the overall nutrient status of the crop.
- Improves disease resistance due to the triggering of crop natural defense mechanism.
- Rapidly absorbed by the leaves/plants.
- Contains no sulphates or chlorides.

### Guaranteed Minimum Analysis

Chelated Manganese (Mn)	5.0 %
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## Product Characteristics

Appearance:	Dark brown liquid
Solubility:	Soluble in Water
Specific Gravity:	1.15 g/ml
pH:	6.5

## Ingredients

Manganese from chelated sources & Organic acids.

## Direction of Use

General application rate is 1L/acre. Tissue/soil analysis are best indicator to determine correct application doze. Consult your local are sale representative or crop specialist.

- Use enough water to cover the foliage.
- Always test compatibility before mixing two different products by jar test.

It is important to monitor crop needs and responses by maintaining an adequate tissue-testing program. When unfamiliar with the effects of foliar applications of minerals it is recommended to perform small-scale field trials.

## Packaging Sizes:

10L, 25L, 205L, 1000L.

Additional sizes are available upon request

## Storage & Cautions

- Store Product in a cool and dry place in original container.
- Test compatibility with other products prior to use.
- Avoid contact with skin & eyes and inhalation of spray/dust.
- Recycle container in accordance with federal and provincial regulations.
- Keep product out of reach of children.
- Product contain Iron and should be used as recommendations. May be harmful if misused.

## Conditions of sales and limitations of Warranty & Liability:

There are no implied warranties of merchantability or fitness with respect to the product, nor are there any expressed warranties other than as may be contained in any guaranteed analysis that may accompany the product. Seller shall not be liable for any special indirect, incidental or consequential damage or expense of any nature, including but not limited to lost products, property damage or Seller's liability is limited to refund of purchase price as per return policy of company.

## 5.0% Mn (Chelated)