



INNOVATIVE and AUSTRALIAN

MANNI-PLEX MAGNESIUM

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Superior supplement for the prevention and correction of
MAGNESIUM deficiencies.



Magnesium forms an essential part of the chlorophyll structure and is responsible for the mobilisation of other plant nutrients.

MANNI-PLEX MAGNESIUM

- Rapidly absorbed.
- Contains penetrants and translocation aids.
- Low salt index.
- Contains stickers and spreaders.
- Smallest molecule delivering nutrients to plants
- Contains surfactants and humectants for better contact and adhesion.
- Delivers nutrients directly to phloem and xylem.

MANNI-PLEX COMPLEX PRODUCTS

Manni-Plex Magnesium is based on the world patented Manni-Plex technology. Essential plant micronutrients are complexed in an organic sugar alcohol to create a highly efficient foliar trace element fertilizer. The small molecular size and delivery package containing humectants, spreading and penetrant agents further ensures that the complexed nutrients are both phloem and xylem mobile.

MAGNESIUM DEFICIENCY

The common signs of magnesium deficiency include - Strong yellowing between main leaf veins, stunted growth, cupping of leaf margins and clear borders can be seen between yellowing parts of the leaf. Magnesium deficiencies are seen in the oldest leaves first with inconsistent chlorosis. These deficiencies lead to abnormal growth patterns associated with reduced yield and quality.

MAGNESIUM MOBILITY IN PLANTS

The spreading and adhesion characteristics combined with the small molecular size of **Manni-Plex Magnesium** ensures rapid and effective uptake of the magnesium guaranteeing that the plant is well supplied with this nutrient. The **Manni-Plex Magnesium** complex allows magnesium to travel uninhibited through the phloem and xylem enabling greater availability for plant utilization.

MAGNESIUM HISTORY

Magnesium forms an essential part of the chlorophyll structure and is highly responsible for photosynthesis. Magnesium plays an important roll in the uptake and mobilisation of other plant nutrients, specifically phosphorous. Magnesium is required for sugar and starch production to increase yields and enhances the colour in many fruit crops. Magnesium is a part of the process that helps with energy storage in the cell enzyme system that regulates metabolic processes.

PACK SIZE

Available in 20, 200 and 1000 Litres.



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ANALYSIS

5.0 % (w/v) Magnesium as Manni-Plex sugar alcohol complex

5.8% (w/v) Nitrogen as Nitrate

0.5% (w/v) Nitrogen as Urea

APPLICATION

For use in a regular nutrient program for all crops requiring Magnesium. Use a minimum of 100 litres of water per hectare with ground spray equipment, 30 litres for aerial applications. Optimum rate of application will vary between fields. Multiple applications may be needed throughout the season. The application rate may need to be varied with changes in plant size, canopy or crop load.

MIXING INSTRUCTIONS

1. Put 1/3 of water in tank.
2. Add correct amount of **Manni-Plex Magnesium**.
3. Continue to fill tank with water and agitate.
4. Add other chemicals, check compatibility with standard jar test.
5. Manni-Plex products are not compatible with phosphate based fertilisers.
6. Agitate adequately to mix.

SUGGESTED FOLIAR APPLICATION RATES (Litres per Hectare)

Almonds	2-4	Lucerne	3-5
Apples	3-4	Macadamias	3-4
Avocados	2-4	Melons	2-3
Bananas	2-4	Olives	2-4
Beans	2-4	Onions	2-5
Blueberries	2-3	Peanuts	3-5
Brassica	2-4	Pears	3-4
Capsicum	2-3	Potatoes	3-5
Carrots	2-3	Pumpkins	2-3
Celery	2-3	Soybean	2-3
Cereals	3-5	Stone Fruit	3-4
Citrus	3-5	Strawberries	2-3
Cotton	3-5	Tomatoes	2-3
Cucumbers	2-3	Tropical Fruit	2-4
Grape Vines	2-4	Vegetables	2-3
Lettuce	2-3	Zucchini	2-3

MANNI-PLEX RANGE and ANALYSIS

Manni-Plex Boron	3.8 % B	As plant available nutrient.
Manni-Plex Calcium	14.7% Ca	As plant available nutrient.
Manni-Plex Cal Mag	7.3% Ca & 3.6% Mg	As plant available nutrient.
Manni-Plex Iron	6% Fe	As plant available nutrient.
Manni-Plex Magnesium	5 % Mg	As plant available nutrient.
Manni-Plex Manganese	6 % Mn	As plant available nutrient.
Manni-Plex Moly	6.2% Mo	As plant available nutrient.
Manni-Plex Potassium	22% K	As plant available nutrient.
Manni-Plex Zinc	8.8 % Zn	As plant available nutrient.

Manni-Plex products are compatible with each other.

CONTACT DETAILS

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