



INNOVATIVE and AUSTRALIAN

MANNI-PLEX ZINC

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Superior supplement for the prevention and correction of ZINC deficiencies.



Zinc regulates starch formation, root development, formation of chlorophyll and carbohydrates.

MANNI-PLEX ZINC

- 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 Zinc is based on the world patented Manni-Plex technology. Essential plant micro-nutrients 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.

ZINC DEFICIENCY

- Symptoms are expressed in the lower leaves, due to the nutrient being mobile within the plant.
- Plants with zinc deficiency will have a general loss of green colour starting with the older leaves, and chlorosis occurs between the veins due to chlorophyll breakdown.
- Zinc can be deficient in soils with low pH and coarse texture.

ZINC MOBILITY IN PLANTS

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

ZINC HISTORY

Zinc is an essential micronutrient in most cropping regions of Australia. Zinc plays an important role in early root and shoot development. All Programs should include **Manni-Plex Zinc** from planting onwards, to establish a strong root system and help eliminate transplant shock. The key to a good crop is an early and strong root establishment.

PACK SIZE

Available in 20, 200 and 1000 Litres.



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ANALYSIS

8.8 % (w/v) Zinc as Manni-Plex sugar alcohol complex

3.6% (w/v) Nitrogen as Nitrate

2.8% (w/v) Nitrogen as Urea

APPLICATION

For use in a regular nutrient program for all crops requiring Zinc. 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 Zinc**.
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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