

What is Optimum Gluco Mn

Optimum MnZn is a product developed to prevent and correct deficiencies of Manganese and Zinc in all crops. The complexation of these nutrients by the gluconic acid molecule improves the uptake and transport of these nutrients in the crops.

Optimum Gluco MnZn is a product recommended for the preventive control and treatment of states in which there are deficiencies of Mn and Zn.

Composition

%w/v

Manganese (Mn)	5,0
Zinc (Zn)	5,0
pH 6-7	
Density: 1,27	

Natural Chelating Agent (Gluconic Acid)

Zinc

Zinc is an essential constituent of several important enzyme systems that affects many metabolic processes in the plant. It controls the synthesis of indoleacetic acid, and important plant growth regulator that is crucial for active growing tips and leaf enlargement. Terminal growth areas are affected first when Zinc is deficient. Zinc is also critical in the bud differentiation process.

Manganese

Manganese plays a key role in chlorophyll production. Because it is used to split the water molecule during Photosynthesis. It is essential for plant health. Manganese also activates more enzyme than any other nutrient. It is especially important in the production of proteins that are part of the plant's natural defenses against disease.

Characteristics of Optimum Gluco MnZn

- Can be used in fertigation
- It's especially suitable for foliar application, as it is very gentle and acts without phytotoxicity
- It's highly water-soluble
- It's stable in the pH value range 2 - 12
- It's suitable for use in organic agriculture
- It is completely Biodegradable
- Offers very good cost-effectiveness

Storability

- Keep cool, dry and frost free
- Shelf life 24 months

Optimum Gluco MnZn essential for:

- Higher quality in yield
- Increases Vitamin C content
- Improves frost tolerance
- Optimal assimilation of Mn and Zn

Compatibility

Optimum Gluco MnZn is compatible with most of the available fertilizers and phytosanitary products, even though it is advisable to perform a previous test. Do not mix with mineral oils, dinocap or reactive alkaline products.

Mixture with Fertilizers

In case of mixture with fertilizers or plant protection products fill sprayer up to 2/3 with water and add products separately. Add Optimum Gluco Mn Zn as the last component. Apply immediately and stir constantly.

Soil and Foliar Application



Crop	Dosages	Objectives application
Citrus, avocado	2-4 L/ha 200-300 cc/100L	Boost vegetative growth. Start of sprouting in spring. Start of sprouting
Fruit trees of bone and pips	2-4 L/ha 200-300 cc/100L	Nutritional correction. From sprouting to post-harvest.
Vegetables in general	2-4 L/ha 200-300 cc/100L	Nutritional correction. From sprouting to post-harvest.
Strawberries and berries	1-2 L/ha 100-200 cc/100L	Nutritional correction. At any time of vegetative development.
Melon, watermelon, cucumber	2-3 L/ha 200-300 cc/100L	Nutritional correction. At any time of vegetative development.
Potatoes	2-4 L/ha 100-200 cc/100L	Nutritional correction. At any time of vegetative development.