



Trace Element Fertilizers

"Liquid Zinc and Manganese Source,  
Unique Formulation"

Proteck Zinc Man Plus

Proteck Zinc Man Plus

# proteck ZincMan<sup>plus</sup>



Water Soluble Manganese (Mn)	: 7 %
Water Soluble Zinc (Zn <sub>2</sub> )	: 7 %

Contains  
 7 % Zinc (Zn)  
 7 % Manganese (Mn),  
 5 % Seaweed and PGRs.

It alleviates Zinc and Manganese deficiency.

It has a complex structure easily absorbable by the plants.

It plays a role in tryptophan amino acid and supports growth.

It is in SC form.  
 Foliar application dosage:  
 200 cc/100 L water or 100 cc/da.  
 Drip irrigation dosage:  
 1-1.35 L/da.

It increases fruit size and quality.

It acts very rapidly.



# proteck ZincMan<sup>plus</sup>



**proteck ZincMan<sup>plus</sup> Formulation Content**

Contains the following in high concentrations;

- 7% Zinc (Zn), 7% Manganese ( Mn),
- Vegetal PGR, (PGR) 15 gr/LT

**Effect of PGR:**

Helps the cells in the growth region to grow- Triggers the cell division in some tissues- Plays an important role in forming new roots, Ensures the body, root, leaf and the fruit of the plant to grow-Prevents the falling off of fertilized flower and leaves- Affects the opening and closing of the stomata.


**proteck ZincMan<sup>plus</sup> Purpose of Use**

**proteck ZincMan<sup>plus</sup>** can be applied to all kinds of plants at the periods before and after flower through the leaf or by the drip irrigation system. Contains high concentrations of Zinc and Manganese and is a unique formulation in the form of SC and was synthesized in a very special technique.

- Its penetration in the leaf and root tissue is very good so it goes in to the plant very easily. It is quickly absorbed by the plant and starts to affect it immediately.
- Guarantees the balance between the vegetative growth period and reproduction period therefore increases efficiency.
- It is in a complex structure that can be absorbed by the plant easily.
- Does not burn the leaves.
- Takes part in the intake and use of water.
- Increases fruit size quality
- Supports growth and is involved in the process of synthesizing tryptophane amino acid which has the most important role in growth.
- Resolves Zinc and Manganese deficiency and the problems it causes.
- Works as a catalyzer for forming chlorophyll.
- Speeds up the process of forming sugar inside the structure of the plant.
- Darkens the colors of the fruits and ensures increase in quality.

**THE FUNCTIONS OF THE MICRO ELEMENTS ZINC AND MANGANESE IN THE PLANT AND THE SYMPTOMS OF THEIR DEFICIENCY**

**ZINC (Zn)**

- Is involved in the structure of a series of enzymes which take part in the protein synthesis and disintegration.

- The plants may absorb the Zinc in a water soluble form.
  - Zinc is a very important element in terms of plant physiology.
- ZINC Deficiency:**
- In shortness of Zinc, the plants' growth, slow down. For example tomatoes and leaves of flowers usually have cancer spots.
  - Gray, brownish spots appear in potatoes.
  - Chlorotic spots appear in citrus leaves, chlorous occurs in corn leaves.
  - Early falling off of the peach leaves.
  - Crops become shorter due to Zinc deficiency. In the case of high deficiency, leaves form a gray- white color and die.
  - In cotton, young leaves stay green but between the vessels occur the color yellow.
  - Spots arise in citrus leaves.
  - In tomatoes, young leaves develop small and there are mosaic like yellow spots between the vessels.
- MANGANESE**
- Helps form chlorophyll.
  - Works as a catalyzer in certain physiological incidents.
  - Ensures the activation of certain enzymes.
  - Is needed in certain oxidation and reduction systems.
- MANGANESE Deficiency**
- In the case of shortness, thin vessels of the leaf turn into yellow when it was originally green.
  - Necrotic white and gray spots can arise and spread on the leaves.
  - First the old leaves are affected. These leaves turn into brown and dry

Name of the plant	Purpose and period of use	DOSAGE cc – 100lt of water / da
To all kinds of plants	To prevent Calcium deficiency, before and after flower	Dosage applied foliar 200-270 cc / 100lt of water, 100 cc / da
To all kinds of plants	Applied by drip irrigation system	1000-1350 cc / da