

Liquid mineral fertilizer
3% Manganese
20% Manganese chelate with 7% ammonium sulfate

APPLICATION OF THE FERTILIZER

Liquid mineral fertilizer to be applied through the micro irrigation system (drip irrigation system and micro rain) and foliar application.

USE AND EFFECTS

20% Manganese chelate with 7% ammonium sulfate is used for proper growth and development of agricultural crops and also for prevention of mosaic chlorosis which has resulted from this element's deficiency. Regular manganese nutrition positively affects proper nitrogen nutrition, whereas in leguminous crops it affects greater nitrogen fixation from the atmosphere.

20% Manganese chelate with 7% ammonium sulfate can be applied in all stages of growth and development of plants as it contains nitrogen and sulphur as nutrients, particularly recommended at the beginning of vegetation and in the stage of initial flowering and fruit formation.

20% Manganese chelate with 7% ammonium sulfate is recommended to apply through irrigation water. In cases when no micro irrigation techniques are applied, foliar application is recommended. Foliar application for vegetable and agronomy crops is recommended to begin immediately after crops obtain sufficient leaf mass to absorb the solution, whereas for grapevine and fruit seedlings application is recommended during the vegetative cycle. The best effect is achieved through a combination of the micro irrigation system and foliar application.

MANNER OF APPLICATION

Drip irrigation system and watering

| Crop | Period of application | Number of applications | Dosage l/1000 m² with 1 application |
|---------------------------|---|----------------------------------|---|
| Vegetable crops | Beginning of vegetation and initial flowering and fruit formation | 2-3 applications every 7-10 days | 1-2 l fertilizer with minimum 4,000 l water |
| Agronomy crops | During the vegetation | 1-2 applications | 1-2 l fertilizer with minimum 3,000-4,000 l water |
| Fruit crops and grapevine | Growth of fruit-berry* | 2-3 applications every 7-10 days | 1-2 l fertilizer with minimum 4,000 l water |

*Fertigation at this stage can begin, provided that the field conditions allow that (dry spring and supply of irrigation water).

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Foliar application

| Crop | Period of application | Number of applications | Dosage ml/1000 m ² with 1 application |
|---------------------------|---|-----------------------------------|--|
| Vegetable crops | Beginning of vegetation and initial flowering and fruit formation | 2-3 applications every 10-14 days | 250 ml fertilizer with 100 l water |
| Agronomy crops | During the vegetation | 2 applications | 200 ml fertilizer with 100 l water |
| Fruit crops and grapevine | After bud opening and in the stage of fruit-berry growth | 2-3 applications every 10-14 days | 250 ml fertilizer with 100 l water |

The effect of foliar application is better in early morning or evening hours.

NOTE

20% Manganese chelate with 7% ammonium sulfate should not be mixed with fertilizers having strong acidic and alkaline reaction. It can be used separately or combined with numerous pesticides. Before each use, read the instructions from the manufacturer of protective equipment.

STORAGE

Store at a temperature higher than +10°C.

SHELF LIFE

2 years.

| COMPOSITION | |
|---|----------------|
| Manganese (Mn) | (3.0 ± 0.2) % |
| Mn(NH ₄) ₂ EDTA | (20.0 ± 1.0) % |
| (NH ₄) ₂ SO ₄ | (7.0 ± 0.5) % |