

## MAGANIT

- ✔ **Source of magnesium and nitrogen**
- ✔ **Nitrogen as nitrate, the most efficient nitrogen source for plant growth**
- ✔ **Highly soluble product available as crystalline product, in flakes, or as prills**
- ✔ **For foliar feeding, fertigation and as ingredient in NPK's**



MAGANIT, is a product obtained in a controlled reaction between nitric acid and magnesium oxide.

MAGANIT supplies plant essential magnesium and nitrogen in plant available form.

MAGANIT is free from ammonium, hence ideal for use in hydroponics.

### Chemical composition

Purity	98%
Magnesium (Mg)	10%
Magnesium oxide(MgO)	16%
Nitrate nitrogen (N-NO <sub>3</sub> )	10%
pH (5% H <sub>2</sub> O Solution)	+/-7

### Physical properties

EC (1% solution)	7,6 mS/cm
Solubility (20°C in H <sub>2</sub> O)	2250 g/liter

### Packing

- Available in 25kg bags on 1200kg pallets.
- Available in 1200kg BB on pallets.

### MAGANIT benefits

- Supplier of magnesium and nitrate at low N/Mg ratio, which allows the use throughout the entire growth period
- Free of chloride, sodium and other detrimental elements for plants
- Enhances uptake of other cations such as K<sup>+</sup>, Mg<sup>++</sup> and Ca<sup>++</sup>
- Low EC, allowing spraying at higher concentration

### Dose and instruction of use in fertigation

Crop	Application date	Total dosage in kg/ha
Citrus, fruit trees	Just after flowering stage	100-200 kg/ha*
Vineyards	Just after bud opening until main vegetative growth stage	100-150 kg/ha*
Vegetables	At start of the fertigation until beginning of fruit setting.	150-300 kg/ha*

\*Magnesium Nitrate can be mixed with all water soluble fertilizers, except for concentrated phosphate and sulphate solutions.

The mentioned indicated dosage and application stages are subject to soil and climatic conditions, possible use of manure, influence of previous crops and other specific conditions. Exact dosages and application stages can only be given after an objective diagnostic procedure of soil and plant analyses.