

Essentials | Straights
Magnesium products

Magnesium Nitrate Horticultural Grade



Composition (%w/w)

Total Nitrogen	> 10.5%
Nitric Nitrogen	> 10.5%
Magnesium Oxide	> 15.6%
Magnesium	> 9.5%

Agronomical Targets



Compatibility

Compatible with other fertilizers.

Packaging



Van Iperen Magnesium Nitrate Horticultural Grade is a highly pure Magnesium fertilizer which dissolves rapidly and completely. Our product has a limited caking sensitivity and is recommended as of vegetative growth and during production stages. The high level of Magnesium contributes to the production of chlorophyll. The presence of Nitrogen has a positive effect on the uptake of Magnesium in the plant.

- Improves leaf colour
- Developed for fertigation in open field and greenhouses. Also suitable for foliar application

Product Characteristics

- Low on heavy metals
- Low on Sodium and Chloride
- White pellets



Did you know?

Magnesium and Potassium are antagonist nutrients. We often see heavy Magnesium deficiencies when high quantities of Potassium are applied. Therefore, it is important to well manage Magnesium applications in high yielding crops and in soils with high Potassium content. Van Iperen offers adequate Magnesium solutions for all growing conditions.

Let's make the green switch!

We are Van Iperen International a Dutch producer of Specialty Fertilizers and Biostimulants. We are eager to change the rules of the game in plant nutrition, by providing highly innovative solutions to growers for more sustainable agriculture. Your local Van Iperen Sales Manager will help you and guide you to make the green switch together.




www.vaniperen.com

Dosage | Hydroponics




kg in 1000 l stock solution	MgO in kg	Total N in kg	N-NO ₃ in kg
25	3.9	2.6	2.6
50	7.8	5.2	5.2
75	11.7	7.8	7.8
100	15.6	10.5	10.5

Mentioned concentrations represents the amount of nutrients in the stock solution. The final concentration in the irrigation water depends on the amount of nutrients in the stock solution, the injection ratio and the amount of nutrients used in the water.

Dosage | Fertigation

Crop	Application date	Min kg/ha/season	Max kg/ha/season
Fruit trees 	• As of end of flowering	100	200
Vegetables 	• As of vegetative growth • Until fruit setting	150	300
Potato 	• As of tuber setting • Until tuber filling	100	200

Dosage | Foliar application

Crop	Application date	Min kg/ha/appl	Max kg/ha/appl	Conc. % (w/v)
Fruit trees 	3 - 4 applications: • As of end of flowering • 10 - 14 days interval	3	8	0.5 - 1.5
Cereals 	1 - 2 applications: • As of stem elongation • Until flowering starts	3	6	1.0 - 1.5
Citrus 	2 - 4 applications: • Spring application • As of vegetative growth	5	10	1.0 - 2.0

In case of foliar feeding as part of a mix with crop protection products or other fertilizers, a compatibility test has to be done prior to preparing the spray-mix.

The mentioned indicated dosages and application stages are given as a guideline. Exact dosages, concentration and application stage are subject to local conditions, use of other fertilizers and can only be given after an objective diagnosis.