

STRAIGHTS

Magnesium Sulphate Heptahydrate Horticultural Grade



Van Iperen International has a complete line of magnesium products, both in sulphate and in nitrate form. The Magnesium Nitrate products come as solid and liquid formulations and are suitable for fertigation of high tech covered crops as well as for foliar feeding. The fully soluble solid formulation has a unique pastille form to prevent caking. The liquid formulation is a transparent solution of high purity. Our Magnesium Sulphate Horticultural Grade – a Heptahydrate formulation – is also suitable for both purposes: fertigation and foliar. As a raw material in NPKs, our dust-free Magnesium Sulphate Anhydrate is very suitable.



For a complete overview of our magnesium products, please visit our website: www.vaniperen.com.

Product characteristics

- Magnesium Sulphate 16% is a white crystalline Magnesium Sulphate Heptahydrate
- Free flowing
- Used for foliar feeding and for fertigation purposes
- Compatible with most water-soluble fertilizers

Packaging

Available in packages of 1.000 kg and 25 kg.

Dosing instructions

| G / 1.000 l stock solution | SO ₃ | MgO | Mg |
|----------------------------|-----------------------|-----------------------|-----------------------|
| | In g / 1.000 l or ppm | In g / 1.000 l or ppm | In g / 1.000 l or ppm |
| 100 | 32 | 16 | 9.7 |
| 130 | 41 | 20 | 12.6 |
| 160 | 51 | 25 | 15.5 |
| 190 | 60 | 30 | 18.4 |
| 210 | 67 | 33 | 20.3 |

The table above 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 as well as the amount of nutrients in the water used.



Dosing instructions | Fertigation

| Crop | Application date | Total dosage in kg / ha |
|-------------|---|-------------------------|
| Fruit trees | As of end of flowering stage | 150 - 250 kg / ha |
| Vineyards | As of end of bud opening stage until main vegetative growth | 100 - 150 kg / ha |
| Vegetables | As of vegetative growth until beginning of fruit setting | 150 - 300 kg / ha |

Dosing instructions | Foliar

| Crop | Application date | Dosage in kg / application | Concentration of spray solution |
|-------------------------|--|----------------------------|---------------------------------|
| Fruit trees | 3 - 4 applications: • After flowering | 3 - 5 kg / ha | 0,5% (w/v) |
| Vineyards | 3 - 4 applications: • To prevent drying of stalk | 4 - 12 kg / ha | 1.0 - 1.5% (w/v) |
| Vegetables | 1 - 3 applications: • During the vegetative stage | 5 - 10 kg / ha | 1.0% (w/v) |
| Arable crops: • Corn | 1 - 2 applications: • As of 5 leaves stage | 3 - 6 kg / ha | 1.0 - 1.5% (w/v) |
| • Rape | 1 - 2 applications: • Till flowering stage | 3 - 6 kg / ha | 1.0 - 1.5% (w/v) |
| • Sugar beet | 2 - 3 applications: • Until mid-summer | 3 - 6 kg / ha | 1.0 - 1.5% (w/v) |

Van Iperen Magnesium Sulphate Heptahydrate is compatible with most commonly used fertilizers, except calcium fertilizers. Therefore the usage of a separate tank is needed or fertilizers should be applied on different times.

It is compatible with pesticides, though it is advisable to confirm compatibility of your intended spray-mix by preparing a sample of the spray materials at their recommended concentrations in order to rule out the possibility of a detrimental cross reaction. This mixture should be sprayed onto small area prior to commercial treatment, in order to assess whether an adverse effect occurs.

The mentioned indicated dosages and applications stages are subject to soil and climatic conditions, influence of previous crops and other specific conditions. Exact dosages and application stages can only be given after an objective diagnostic procedure by e.g. soil, substrate and/or plant analyses.

