



MENAFERT

Product leaflet

Straights

Magnesium Sulphate Heptahydrate HG

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Menafert 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 Anhydrite is very suitable.

For a complete overview of our Calcium products, please visit our website: www.menafert.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

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 stage	Total dosage
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 stage	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)

Menafert 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.