



MENAFERT

Product leaflet

Straights

Potassium Nitrate HG

www.menafert.com

info@menafert.com



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Menafert International has a complete line of potassium products, in nitrate, sulphate and in chloride form. They all have good solubility and high nutrient content. Our high grade straights are suitable for foliar application and fertigation, and of course in hydroponic systems. Our potassium products come in solid formulation. As a liquid formulation we offer a Caustic Potassium.

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

Product characteristics

- Fully water-soluble, crystalline product
- Low on chloride, sodium and other detrimental elements
- Efficient absorption by plants, due to synergy between potassium and nitrate
- Used for foliar feeding, fertigation and as ingredient for NPKs.
- Compatible with most water-soluble fertilizers

Dosing instructions

G/1.000 l stock solution	Total N, 100% as N-NO₃	K₂O	K
	In g / 1.000 l or ppm	In g / 1.000 l or ppm	In g / 1.000 l or ppm
100	13	46	38
130	17	60	50
160	21	75	60
190	25	88	72
210	28	97	80

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 in kg / ha
Fruit trees	Possible use from the beginning of fertigation program till 3-4 weeks before harvest.	150 - 400 kg
Vineyards (adult table grapes)	Possible use from the beginning of fertigation, thanks to Nitrogen as Nitric form	100 - 250 kg
Citrus (adult trees)	During the entire fertigation program	150 - 400 kg
Vegetables	Beginning of vegetative growth and possible use till 2-4 weeks before harvesting.	100 - 300 kg
Processing vegetables • Potatoes • Tomatoes	From tuber initiation till ripening stage From 1 month after transplantation until start of maturation stage	100 - 200 kg 150 - 300 kg
Banana	During the entire fertigation program	200 - 500 kg

Dosing instructions | Foliar

Crop	Application stage	Dosage in kg / application	Concentration of spray solution
Apple, pear	1 – 3 applications: • End of flowering stage / early fruit enlargement	4 - 12 kg*	0.5 - 1.5% (w/v)
Stone Fruits	2 – 3 applications: • From fruit setting until fruit coloring	5 - 10 kg*	1.0 - 1.5% (w/v)
Citrus	1 application: • During fruit development	6 - 15 kg*	1.5 - 2.5% (w/v)
Olive	3 to 4 application: • During spring, before flower induction and during fruit development stage	8 - 18 kg*	1.5 - 2.5% (w/v)
Banana	4 - 10 applications • From "small" stage till beginning of fruit filling	6 - 15 kg*	1.0 - 2.0% (w/v)
Vegetables	2 to 4 applications • As of fruit setting, 10 days interval	4 - 8 kg*	0.5 - 1.0% (w/v)

* depending on amount of water used

Menafert Potassium Nitrate is compatible with pesticides, though it is advisable to confirm compatibility of your intended spraymix 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 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 by e.g. soil and plant analyses.

