



**MENAFERT**

Product leaflet

# **Straights SOP HG**

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## Straights SOP HG

# Product Leaflet

Menafert International has a complete line of Potassium products, in Nitrate, Sulphate and Chloride form. All products have good solubility and high nutrient content. Our high grade straights are suitable for foliar and fertigation application.

Menafert Potassium Sulphate Horticultural Grade (SOP) is a fully water soluble, and therefore immediately plant-available product. It comes in the form of white crystals and is free of Chloride, Sodium and heavy metals. It is a highly efficient source of Potassium and Sulphur for arable and horticultural crops.

We recommend Menafert Potassium Sulphate Horticultural Grade (SOP) when high rates of Potassium are required e.g. for prevention and correction of Potassium deficiencies, and for the normal development of crops with high requirement of Potassium (e.g. banana, potato, tomato, apple, citrus species, pepper, rose and sugar beet). Potassium Sulphate is Nitrogen-free, which is advantageous for application at advanced stages of fruit development of fruit trees or vegetables and for situations of increased disease sensitivity.

For a complete overview of our Calcium products, please visit our website: [www.menafert.com](http://www.menafert.com).

### Product characteristics

- Fully water-soluble, crystalline product
- Free of chloride, sodium and other heavy metals
- Used for foliar feeding, fertigation and as an ingredient in NPK's
- Compatible with most water-soluble fertilizers

## Dosing instructions | Fertigation

Crop	Application stage	Application rate in kg/ha/year
<ul style="list-style-type: none"> <li>Deciduous fruit trees (bearing)</li> <li>Citrus trees (bearing)</li> </ul>	Start after fruit-set, continue throughout the irrigation season until 3-4 weeks prior to harvest	150 – 350 200 – 400
Vineyard (bearing table grapes)	From initiation of spring bud opening, continue throughout the irrigation season until 3-4 weeks prior to harvest	100 – 250
Banana & plantain	At plantation establishment, throughout the irrigation season.	300 – 500
Pistachio	Throughout vegetative growth season; ~1/3 of annual rate during fruit development	170 - 300
Vegetables (fruit bearing)	From early vegetative growth until 3-4 weeks prior to harvest	100 – 300
Processing potatoes	From tuber initiation until mid-tuber-bulking	100 – 200
Processing tomatoes	Start at 4 weeks until fruit maturation	150 – 300
Asparagus	Throughout the growth season	190 – 330

## Dosing instructions | Foliar

Crop	Application stage	Application rate in kg/ha/ application	Application rate in %w/v
<ul style="list-style-type: none"> <li>Deciduous fruit trees</li> <li>Olive trees/ Citrus</li> <li>Table grapes (adult)</li> </ul>	3 – 5 applications, starting after fruit-set, at 14-21 days intervals	7 – 10	2.8 – 3.5
		9 – 12	3.0 – 4.0
		7 – 10	2.0 – 3.0
Fruit vegetables	1-3 applications, at ~14-days intervals, during vegetative growth, and after flowering	5 – 8	1.0 – 1.5
Leaf vegetables, e.g. celery	3 applications, from 4 weeks after transplanting, at 10-15 days intervals during vegetative growth.	5 – 8	1.0 – 1.2
Potato, sweet-potato	3 applications, from 3 weeks after transplanting, at ~10-15 days intervals	4 – 6	2.5 – 3.2
<ul style="list-style-type: none"> <li>Carrot, Bulb onion</li> <li>Rape, turnip</li> </ul>	3 applications, from 4 weeks after germination, at ~10-15 days intervals	3 – 5	2.0 – 3.0
		5 – 8	2.5 – 3.5
Sugar beet	2-3 applications, during root bulking	5 – 8	3.0 – 5.0
Oil-seed rape	1-2 applications, during vegetative growth until flowering	3 – 6	1.0 – 1.5

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If irrigation water has a pH > 8, it is recommended to acidify the water before adding the Potassium Sulphate, for faster dissolution. In light textured soils, apply more frequently with smaller doses. High CEC soils (clay) require less frequent applications, compensated by higher doses.

Menafert Potassium Sulphate Horticultural Grade is compatible with most commonly used fertilizers, except calcium fertilizers. Therefore the usage of a separate tank is needed or fertilizers should be applied at 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.