

# STRAIGHTS

## Monopotassium Phosphate Horticultural Grade



Van Iperen International has a complete line of water soluble phosphate products; in potassium, ammonia and in urea form. They all have good solubility and a high nutrient content. Our high-grade straights are suitable for foliar application and fertigation, also in hydroponic systems.



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

### Product characteristics

- Fully water-soluble, crystalline product
- Free of chloride, sodium and other detrimental elements
- When high levels of phosphorus and potassium are required without nitrogen: e.g. at the productive stages for sugar rich fruit crops, to increase sugar content and improve quality
- Used for foliar feeding, fertigation and as an ingredient in NPK's
- 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	P <sub>2</sub> O <sub>5</sub>	K	K <sub>2</sub> O
	In g / 1.000 l or ppm	In g / 1.000 l or ppm	In g / 1.000 l or ppm
100	52	28	34
130	68	37	44
160	83	44	54
190	99	53	64
210	110	58	71

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	Possible use during entire crop cycle. Due to lack of Nitrogen even till the end of season	100 – 200 kg
Vineyards (adult table grapes)	Use during central part of fertigation program. In case of deficiency, usable as of the start	50 – 200 kg
Citrus (adult trees)	Possible use during entire crop cycle	150 – 300 kg
Vegetables	Beginning of vegetative growth until 2-4 weeks before harvesting	100 – 250 kg
(Processing) vegetables • Potatoes • Tomatoes	From tuber initiation till ripening stage From 1 month after transplantation until maturation stage	100 – 200 kg 150 – 300 kg
Banana	During the entire fertigation program	200 – 300 kg

## Dosing instructions | Foliar

Crop	Application date	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 colouring	5 - 10 kg*	1.0 - 1.5% (w/v)
Citrus	1 application: • After fruit setting	6 - 15 kg*	1.0 - 2.0% (w/v)
Olive	3 to 4 application: • During spring, before flower induction	10 - 18 kg*	1.5 - 2.5% (w/v)
Banana	2 to 4 applications • Establishment & “small” stage, till 12 broad leaves • At “shooting” stage	6 - 15 kg*	1.0 - 2.0% (w/v)

\* depending on amount of water used

Van Iperen Monopotassium Phosphate is compatible with most commonly used fertilizers, except calcium or magnesium 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 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.

