

STRAIGHTS

# Monoammonium 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
- A highly efficient source of phosphorus and nitrogen
- When high levels of phosphorus are required in combination with nitrogen: e.g. for root development at an early stage in the growing season
- Increases availability of phosphorous, naturally available in the soil due to an increase in the root zone pH by the ammonium (NH<sub>4</sub><sup>+</sup>)
- 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> In g / 1.000 l or ppm	Total Nitrogen In g / 1.000 l or ppm	Ammonium Nitrogen (N-NH <sub>4</sub> ) In g / 1.000 l or ppm
100	61	12	12
130	80	16	16
160	98	19	19
190	116	23	23
210	128	26	26

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	Total dosage in ml / tree
Fruit trees (adult trees)	As of start of fertigation until 4 to 6 weeks before harvesting	100 – 200 kg	Subject to a.o. soil and climatic condition
Vineyards (adult table grapes)	As of start of fertigation / early stage of bud opening until end of flowering period	50 – 200 kg	Subject to a.o. soil and climatic condition
Citrus (adult trees)	During entire crop cycle, with dominance on spring and mid winter	150 – 300 kg	Subject to a.o. soil and climatic condition
Vegetables	As of planting until 3 to 4 weeks before harvesting. Depending of crop: leafy crops or fruit bearing crops.	100 – 250 kg	Subject to soil and climatic condition
(Processing) vegetables • Potatoes • Tomatoes	As of start of fertigation until mid of tuber bulking stage As of start of fertigation until 1 month before harvesting	100 – 200 kg 150 – 300 kg	Subject to soil and climatic condition
Banana	During entire fertigation period	200 – 300 kg	Subject to soil and climatic condition

## 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, depending on amount of water used	
Peach	1 - 3 applications: - From fruit growth until 25% of final size of fruit	5 - 10 kg, depending on amount of water used	1.0% (w/v)
Citrus	1 - 2 applications: - Just after fruit setting - At fruit development stage	6 - 15 kg, depending on amount of water used 6 - 15 kg, depending on amount of water used	1.0 - 1.5% (w/v)
Olive	2 - 4 applications: - Before flowering induction until fruit setting	4 - 12 kg, depending on amount of water used	1.0 - 1.5% (w/v)
Vegetables	In case of additional phosphate needs as of first vegetative stage until 4 - 6 weeks before harvesting	3 - 6 kg, depending on amount of water used	0.5 - 1.0% (w/v)

Van Iperen Monoammonium 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.

