

Essentials | Straights  
Phosphate products

# Monoammonium Phosphate Horticultural Grade



## Composition (%w/w)

Total Nitrogen	12%
Ammoniacal Nitrogen	12%
Phosphorus Pentoxide	61%

## Agronomical Targets



## Compatibility

Compatible with other fertilizers, with the exception of Calcium fertilizers. Therefore a separate tank is needed or fertilizers should be applied on different times.

## Packaging



Van Iperen Monoammonium Phosphate (MAP) Horticultural Grade is a highly pure Phosphate fertilizer which dissolves rapidly and completely. Our product has a limited caking sensitivity and is recommended during root and shoot development in early stages, up until flowering and early fruit set. The high level of Phosphate in our formula increases cell division and development of new plant tissue. The presence of Nitrogen contributes to early plant establishment and vegetative growth.

- Improves root and shoot growth
- Developed for fertigation in open field and greenhouses. Also suitable for foliar application

## Product Characteristics

- Low on heavy metals
- Low on Sodium and Chloride
- Production process certified according to ISO 9001:2000



## Did you know?

Phosphate is crucial for the energy cycle of the plant. It is therefore needed in small quantities throughout the entire cycle. Split applications and localization are key factors for a successful Phosphate nutrition. This still remains a big challenge due to Phosphate fixation in all type of soils. This is why at Van Iperen, we propose IPE® Technology for an Increased Phosphate Efficiency. Van Iperen offers adequate Phosphate solutions for all growing conditions.

## Let's make the green switch!

We are Van Iperen International a Dutch producer of Specialty Fertilizers and Biostimulants. We are eager to change the rules of the game in plant nutrition, by providing highly innovative solutions to growers for more sustainable agriculture. Your local Van Iperen Sales Manager will help you and guide you to make the green switch together.




[www.vaniperen.com](http://www.vaniperen.com)

## Dosage | Hydroponics




kg in 1000 l stock solution	P <sub>2</sub> O <sub>5</sub> in kg	Total N in kg	N-NH <sub>4</sub> in kg
100	61,0	12,0	12,0
125	76,2	15,0	15,0
150	91,5	18,0	18,0
175	106,7	21,0	21,0

Mentioned concentrations 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 and the amount of nutrients used in the water.

## Dosage | Fertiligation

Crop	Application date	Min kg/ha/season	Max kg/ha/season
Vegetables 	<ul style="list-style-type: none"> <li>• As of 1 week after planting</li> <li>• Until 4 weeks before harvesting</li> </ul>	100	250
Fruit trees (adult) 	<ul style="list-style-type: none"> <li>• As of start of fertigation</li> <li>• Until 4 weeks before harvesting</li> </ul>	100	200
Banana 	<ul style="list-style-type: none"> <li>• During entire fertigation program</li> </ul>	200	300

## Dosage | Foliar application

Crop	Application date	Min kg/ha/appl	Max kg/ha/appl	Conc. % (w/v)
Vegetables 	<ul style="list-style-type: none"> <li>• As of vegetative growth</li> <li>• Until 4 weeks before harvesting</li> </ul>	3	6	0.5 - 1.0
Citrus 	1 - 2 applications: <ul style="list-style-type: none"> <li>• As of fruit setting</li> <li>• Until fruit filling</li> </ul>	6	15	1.0 - 1.5
Olive 	2 - 4 applications: <ul style="list-style-type: none"> <li>• Until flowering starts</li> <li>• During fruit setting</li> </ul>	4	12	1.0 - 1.5

In case of foliar feeding as part of a mix with crop protection products or other fertilizers, a compatibility test has to be done prior to preparing the spray-mix.

The mentioned indicated dosages and application stages are given as a guideline. Exact dosages, concentration and application stage are subject to local conditions, use of other fertilizers and can only be given after an objective diagnosis.