



hortipray®

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## Monoammonium Phosphate (MAP)

Hortipray MAP is a soluble monoammonium phosphate fertiliser in the form of a free flowing crystalline powder.

### Benefits

Hortipray MAP dissolves quickly to provide nitrogen (as ammonia) and phosphorous to plants at all growth stages, in hydroponics as well as soil grown crops. Our product is free of chlorine, sodium and heavy metals.

Hortipray MAP has been produced for 40 years by Prayon at our Engis plant in Belgium. The high quality of our standard product makes Hortipray MAP suitable for all fertigation systems through drip irrigation, NFT, sprinklers, centre pivots and lateral movement irrigation systems.



PRAYON

Quality – Purity – Solubility – Availability

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## Recommendations

Hortipray MAP can be mixed with all water-soluble fertilisers, except for calcium fertilisers and concentrated magnesium solutions. In hydroponic systems, it should normally be added to the B tank along with the sulphates and trace elements.

Hortipray MAP has a buffering effect which will help stabilize the pH of the solution at around 4.2.

Please ask your local distributor or agronomist for more advice.

## Product specifications

**Chemical formula:**  $\text{NH}_4\text{H}_2\text{PO}_4$

<b>Nitrogen (N as <math>\text{NH}_4</math>)</b> .....	12%
<b>Phosphorous (<math>\text{P}_2\text{O}_5</math>)</b> .....	61.4%
<b>Phosphorous (P)</b> .....	26.8%
<b>Solubility (20°C)</b> .....	365 g / L water
<b>EC (1g/L at 25°C)</b> .....	0.88 mS/cm
<b>pH (10% solution)</b> .....	4.2

## Packaging and transportation

**25kg bag:** Polyethylene

**Big Bag:** Woven polypropylene of 550 to 1250kg

Packing and storage onto pallets at the production site keep the purity level high. Hortipray MAP can be delivered by road, railway and sea.

## Quality certifications

**ISO 9001:2000**

**OHSAS 18001:1999**

**ISO 14001 (1996)**

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