

# Nova MAP™

Mono-ammonium  
phosphate

12-61-0



 **ICL Fertilizers**

*All from a Single Source* **NovaPeak**

## NovaMAP™ Mono-ammonium phosphate

- Fully water-soluble mono-ammonium phosphate fertilizer, ideal for use in fertigation, hydroponics and foliar applications
- Highly efficient source of phosphorus and nitrogen for soluble NPK's and liquid fertilizers
- Contains both nitrogen and phosphorus: nitrogen is in the ammonium form ( $\text{NH}_4^+$ ) and phosphorus is in the phosphate ( $\text{H}_2\text{PO}_4^-$ ) form. Both forms are available immediately to plants, suitable for rapid uptake by the crop.
- High solubility (300 g/L at 10°C, 464 g/L at 30°C). Quickly dissolves to a clear solution good solubility
- Chloride and sodium free; eco-friendly: no heavy metals, without residual contaminants and hazardous residues
- Excellent physical properties, non hygroscopic and free flowing, white crystalline product, does not cake
- Moderately acidic fertilizer: pH 4.5 (in aq. sol. 1%)

### Applications:

- **NovaMAP™** is high in P (61%  $\text{P}_2\text{O}_5$ ), and therefore its main role is as a P fertilizer in fertigation programs. Can be used as the sole P source for the whole growth period for any crop.
- The N content of 12% gives additionally some N. Basically **NovaMAP™** is usually mixed with soluble sources of N (urea, AN) and K ( $\text{KNO}_3$ , KCl), to balance the N:P:K ratio suitable to the crop requirement.
- It is specially recommended in the first stages of growth of plants, when the availability of P is critical for the establishment of root system. **NovaMAP™** is high in P, thus enhancing root development and establishment of seedlings. The high P solubility and availability of **NovaMAP™** gives a fast response in the initial growth of crops.
- **NovaMAP™** can also be used to provide P at other growing stages when P is important: at the pre-flowering stage (to enhance the vigor of shoots and flowers) and at the fruit formation stage (to improve fruit hardness and shelf life).
- Acidifying effect: **NovaMAP™** creates an acidic zone in the root zone. In high pH soils, **NovaMAP™** is recommended because its acid reaction offsets the calcareous soils, thus increasing the availability of P and micronutrients.
- Do not mix **NovaMAP™** with Ca and Mg fertilizers. **NovaMAP™** should be kept in a separate stock solution tank to avoid precipitation.