



## Mono-Ammonium Phosphate (MAP)

Chemical Formula:  $\text{NH}_4\text{H}_2\text{PO}_4$  | HS Code: 31054000

### Product Overview

Mono-Ammonium Phosphate (MAP) is a highly efficient granular fertilizer containing 12% Nitrogen (N) and 61% Phosphorus Pentoxide ( $\text{P}_2\text{O}_5$ ). It is one of the most concentrated phosphate fertilizers available, providing an immediately available source of nutrients to plants in the early stages of growth.

MAP is widely used as a starter fertilizer due to its excellent water solubility and low nitrogen content, making it ideal for applications that demand rapid root development and healthy plant establishment.

### Key Benefits

- Provides readily available phosphorus and nitrogen for early plant growth.
- Promotes strong root development and improved seedling vigor.
- Suitable for fertigation and foliar applications.
- Excellent compatibility with other fertilizers in blends.
- Low salt index — safe for sensitive crops.

### Typical Specifications

Parameter	Unit	Specification
Appearance		White/Off-white Granular or Crystalline
Nitrogen (N)	%	12 min
Phosphorus ( $\text{P}_2\text{O}_5$ )	%	61 min
Moisture	%	0.5 max
pH (1% solution)		4.5 – 5.5
Solubility in Water	g/100 ml	37 (at 25°C)

### Packaging

- 25 Kg / 50 Kg HDPE Bags
- Custom packaging available upon request.

### Storage & Handling

- Store in a cool, dry, and ventilated area.
- Keep away from moisture and direct sunlight.
- Reseal opened bags tightly to prevent caking.

### Safety Information

- Non-toxic and non-flammable.
- Avoid contact with eyes and prolonged skin exposure.
- Refer to Safety Data Sheet (SDS) for detailed handling instructions.