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## Mono-ammonium phosphate (MAP) NP 12:61:0

MAP NP 12-61-0 is soluble grade crystalline and fully water soluble Fertilizer. It is a highly efficient source of phosphorus and nitrogen for plants and is recommended for use at the beginning of the growth season, when phosphorus availability is crucial for the establishment of the root system; MAP NP 12-61-0 can be mixed with other fertilizers to meet crop nutritional needs throughout the growth cycle. It is also suitable for preparation of fertilizer blends and for production of liquid fertilizers. However, these fertilizers cannot be mixed with other calcium or magnesium fertilizers.

Parameters	Unit	Typical	Specification	
			Min.	Max.
Appearance		White crystals	--	--
Total Phosphorus (as P <sub>2</sub> O <sub>5</sub> )	%	61%	60.5	62
Water Soluble Phosphorous (as P <sub>2</sub> O <sub>5</sub> )	%	61%	60.5	62
Total Nitrogen (N-NH <sub>4</sub> )	%	12%	11.8	13
Moisture (1hr. 105°C)	%	0.1%	-	-
pH (1% solution)		4.4	4.2	4.7
Bulk density	g/ml	1	0.8	1.2
<b>Granulo-metric composition/ Granule composition</b>				
0.5 to 1 mm		85%		

### Advantages

- 1) Fully water-soluble and consists of 100% plant nutrients.
- 2) Highly-concentrated source of phosphorus for plants (61% P<sub>2</sub>O<sub>5</sub> / 27% P)
- 3) Free of chloride, sodium and other detrimental elements for plants. Moderately low pH (safer and less corrosive compared to urea phosphate) of soil surrounding root system, which in turn helps quick and easy absorption of phosphorus from the soil
- 4) Suitable for foliar application and drip irrigation and for production of fertilizer blends and nutrient solutions
- 5) Ideal for application in the initial stages of crop growth as phosphorus is very important for development of proper root system.
- 6) Also the nitrogen in the product helps vigorous vegetative growth. Low salt content prevents clogging of drip system

Accredited: ISO9001:2015 | ISO 14001:2015 | ISO45001:2018

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## Packing

MAP is available in bulk and big-bags (500-1000 kg) and on the request in 25 or 50 kg bags.

## Storage

- 1) Prevent from moisture absorption, keep away from heat,
- 2) Keep in air well-ventilated area, do not contact with acids and alkaline substance,
- 3) Protect from dust.
- 4) Ensure bags are sealed and in good condition

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