



Di-Ammonium Phosphate (DAP)

Chemical Formula: $(\text{NH}_4)_2\text{HPO}_4$ | HS Code: 31053000

Product Overview

Di-Ammonium Phosphate (DAP) is the most widely used phosphatic fertilizer in agriculture, combining 18% Nitrogen (N) and 46% Phosphorus Pentoxide (P_2O_5). Its balanced nutrient composition and excellent solubility make it ideal for all soil types and crops, providing both immediate and sustained nutrient availability.

DAP is favored as a basal fertilizer because it supports robust root development, vigorous vegetative growth, and early flowering, ensuring higher yields and improved crop quality.

Key Benefits

- Provides an ideal N:P ratio (1:2.5) for early plant development.
- Highly water-soluble and easily absorbed by plants.
- Encourages root establishment and seedling vigor.
- Compatible with most fertilizers and soil conditioners.
- Excellent physical properties for easy handling and uniform spreading.

Typical Specifications

Parameter	Unit	Specification
Appearance		Greyish or Off-white Granular
Nitrogen (N)	%	18 min
Phosphorus (P_2O_5)	%	46 min
Moisture	%	1.5 max
pH (1% solution)		7.0 – 8.0
Solubility in Water	g/100 ml	58 (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

- Stable and non-flammable.
- Avoid dust inhalation and contact with eyes.
- Consult the Safety Data Sheet (SDS) for detailed handling and first aid information.