



NANO POWER

NANO DAP

Jai Kisaan Nano Power Nano DAP is a nano-biotechnology based product, produced using a biological method. This product is a source of Nitrogen and Phosphorus supplementing the plant's nitrogen and Phosphorus needs for growth and development.

Salient Features:

- A product of green nanotechnology contains minimum 6.0 % Nitrogen and 16.0 % Phosphorus by weight.
- A sustainable solution to supplement Nitrogen and Phosphorus to crop plants
- Nutrient use efficiency (NUE) is a concern due to the poor efficiency of applied nutrients, Nano Technology in fertilizers helps a lot to improve NUE.
- Product is safe for soil, all crops and environment.

Features and Benefits:

- Nano DAP contains (N in Ammoniacal and P in available Phosphorus) particles of size range (50-100 nm) and have a larger surface area, ensuring nutrient availability and aiding nutrient absorption.
- On spray to foliage Nano DAP particles enter through leaf surfaces more quickly, remain available to the plant for a longer period.
- On root dipping, Nano DAP helps in vigorous root growth and improves nutrient absorption from the soil.

Packing : 500 ml

Note: Required in small volume (500 ml/ acre or 1.25 Litres/ Hectare)

Application method	Dosage	Time of application
Foliar spray	2.5-4 ml per liter of water	30 and 45 days after transplanting
Drone application	500 ml/acre in 10 liters of water	

- Validated by 20 scientists from 8 Agriculture Universities & ICAR institutes in India



NANO POWER

NANO UREA

Jai Kisaan Nano Power Nano Urea is a Nano-Biotechnology based product, produced using a biological method. This product is a source of ammoniacal nitrogen supplementing the plant's nitrogen needs for growth and development.

Salient Features:

- A product of green nanotechnology contains minimum 8 % Nitrogen by weight.
- A sustainable solution to supplement Nitrogen to crops on spray to foliage Nano Urea particles (N in Ammoniacal/ Urea forms) enter through leaf surfaces more quickly, remain available to the plant for a longer period.
- Nutrient use efficiency (NUE) is a concern due to the poor efficiency of applied nutrients, Nano Technology in fertilizers helps a lot to improve NUE.
- Product is safe for soil, all crops and environment.

Benefits:

- Nano Urea contains Nitrogen particles of size range (20-50 nm) and have a larger surface area, ensuring nutrient availability and aiding nutrient absorption.
- Nano urea when applied to foliage, easily enters through leaves and better nutrient absorption by plants.
- Unutilized nitrogen is stored in plant vacuole and is slowly released for proper growth and development of plant.
- Nano Urea has lower leaching potential, reducing environmental impact.

Packing : 500 ml

Note: Required in small volume (500 ml/acre or 1.25 Litres / Hectare)

Application method	Dosage	Time of application
Foliar spray	2-4 ml per liter of water	25 and 40 days after transplanting
Drone application	500 ml/acre in 10-20 liters of water	

- Validated by 25 scientists from 12 Agriculture Universities & ICAR institutes in India