



Nano Phosphorus

Nano Phosphorus is based on nano phosphorus particles encapsulated by a chitosan-based bio polymer, embedded on an amino acid and suspended in water. Nano P has a particle size of less than 100 nano meter with a potency of 10,000 ppm. Phosphorus is a key macro nutrient of various biological functions like photosynthesis and respiration in plants.

Components	(%) w/w
Phosphorous as P NLT	4
Non Ammonical Nitrogen (Free Amino Acids) NLT	1.5
Potassium as K NLT	6.5
Organic Acids NLT	3
Chitosan NLT	1.2
Phytase Enzyme	1.5

Benefits

- Nano Phosphorus owing to its small particle size is immediately bio available and is quickly absorbed by plants
- Aids in photosynthesis and respiration of plants
- Reduced almost 50% requirement of conventional phosphatic fertilizers
- Highly photostable, does not oxidise in sunlight
- Compatible with all biofertilizers, chemical pesticides, fertilizers, micronutrients, PGRs, botanicals
- Works in high and low temperature
- Works in high and low humidity

Dosage & Application | 66,000ppm

5L Nano P can replace 100kg single super phosphate

- **Application:** 8-16ml per liter of water for spraying / Sprinkler / Drip; first during preparation of the soil before sowing; Then when the crop is 1 to 2 weeks old; Again one week before when it is going to flowering, Lastly 1 to 2 weeks before harvesting
- In the cases of diseases like downy mildew of grapes, fruit rot, root rot & citrus gummosis, Late blight of tomato etc. Use 20-30ml per L of Water for spraying/ sprinkler / drip
- **Note:** Other key nutrients like all water-soluble fertilizers, nitrogen and trace elements can be mixed with Nano P except for calcium fertilizers and concentrated magnesium
- In hydroponic systems, it should normally be added to the B tank along with the sulphates and trace elements
- Nano P has a buffering effect which will help stabilize the pH of the solution at around 5.5