



# Longtharai Neem Plus (Neem Coated Minerals)

Longtharai Neem Plus is advanced bio-organic complex synergizes rock phosphate, micronutrients, and organic matter coated with neem extracts to deliver complete crop nutrition. The inclusion of neem oil and powder provides natural protection while optimizing the soil environment for beneficial microbes. This eco-friendly formulation ensures robust growth and sustainable yields, making it the ideal choice for high-value agriculture and long-term soil health.

## KEY BENEFITS

- **Holistic Nutrient Delivery:** Combines the immediate vitality of organic matter with the sustained-release phosphorus to support crops throughout their entire growth cycle.
- **Precision Trace Element Support:** Supplies a balanced spectrum of essential micronutrients, significantly improving fruit and grain quality.
- **Integrated Pest & Pathogen Defense:** Utilizes the natural bioactive compounds in neem oil and powder to deter soil-borne pests and suppress harmful fungal pathogens without chemical residues.
- **Enhanced Nitrogen Efficiency:** Neem acts as a natural nitrification inhibitor, slowing the conversion of nitrogen to prevent leaching and ensuring more nutrients actually reach the roots.

## APPLICATION GUIDANCE & BEST PRACTICES

- **Basal Application:** For field crops, apply as a basal dose during final land preparation or at the time of sowing. Incorporating the mixture 3-5 inches into the soil ensures that the rock phosphate and micronutrients are positioned within the active root zone.
- **Field Crops:** Apply 200-300 kg per acre depending on soil test results and crop requirements.
- **Horticultural/Fruit Trees:** Apply 1-3 kg per tree (based on age) within the drip line, mixing thoroughly with the topsoil.
- **Potted Plants/Nurseries:** Mix 50-100 grams per 10 kg of potting media.
- **Application Timing:** Apply during the early morning or late evening to preserve the bioactive properties of the neem oil and powder.
- **Top Dressing:** Can be used as a mid-season supplement for long-duration crops.
- **Storage & Handling:** Store in a cool, dry place away from direct sunlight to prevent the degradation of organic compounds and neem extracts.

**Pro Tip:** Since rock phosphate is a slow-release mineral, applying this blend alongside a bio-fertilizer like PSB (Phosphate Solubilizing Bacteria) will significantly increase the speed of phosphorus uptake.



Packed & Marketed By -

**M/S. SOVA ENTERPRISE**

Reg. Office: Central Road, Near Shiv Bari  
Agartala, West Tripura - 799001

Factory Address: West Noabadi, Amtali,  
Jirania - 799008

E-Mail: [sovatripura09@yahoo.com](mailto:sovatripura09@yahoo.com)

Web: [www.longtharaiagro.com](http://www.longtharaiagro.com)



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