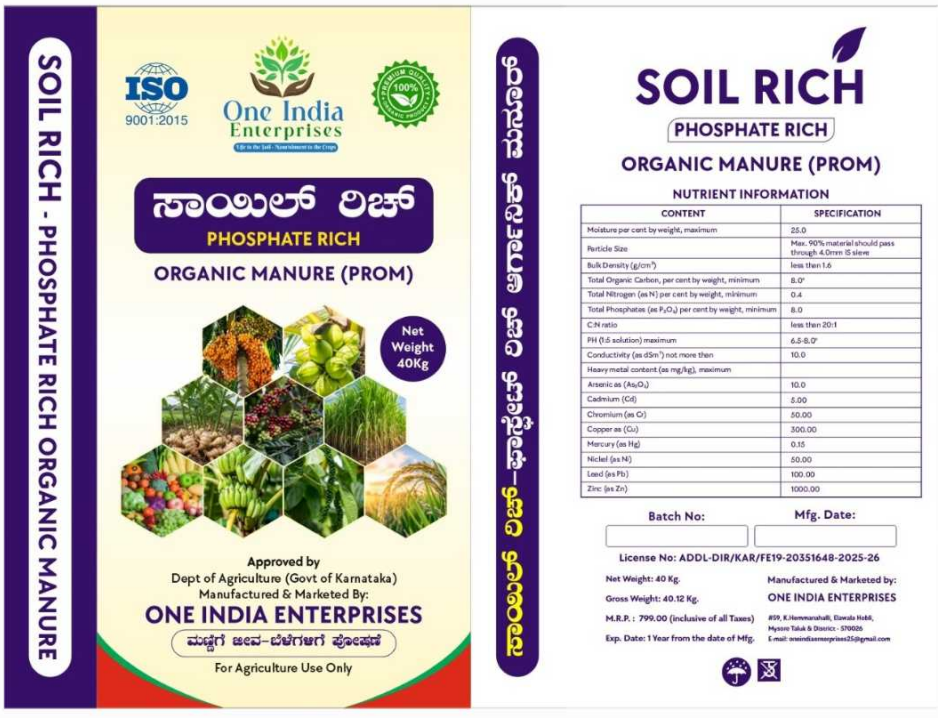

Key Benefits of PROM

- **Steady Phosphorus Supply:** Delivers phosphorus gradually to support early root development, flowering, seed formation, and reproductive growth without causing root burn. [1, 2, 3]
- **Improves Soil Structure & Aeration:** Adds rich organic matter that enhances soil porosity, water retention, and long-term organic-carbon management. [1, 2]
- **Boosts Microbial Activity:** Encourages beneficial soil microorganisms and natural flora, which help break down nutrients and make them more available to plants. [1, 2]
- **Prevents Nutrient Leaching & Lock-in:** Unlike synthetic chemical options like DAP (Diammonium Phosphate), PROM's water-insoluble phosphorus is less prone to leaching into groundwater or runoff, and organic acids from microbes prevent iron, aluminum, or calcium from locking the phosphorus into an unusable state. [1, 2, 3]
- **Reduces Soil Alkalinity:** Releases carbon dioxide during decomposition, which helps lower high soil alkalinity. [1, 2]
- **Enhances Crop Resilience:** Improves seed germination percentages, strengthens overall plant immunity against diseases, and leaves a positive residual nutrient effect for subsequent rotation crops (like wheat following groundnut). [1, 2, 3]
- **Eco-Friendly Alternative:** Replaces or reduces the reliance on harmful synthetic phosphatic fertilizers while promoting circular

economy waste recovery. [1, 2, 3]

Products like Utkarsh PROM or similar agricultural formulations offer a practical bridge for sustainable farming and gardening. [1, 2]

If you'd like, let me know:

- What **crops or plants** you are planning to grow
- Whether you are farming on a **large scale or a home garden**

I can help suggest the right application rate or usage schedule.