

**P<sub>2</sub>O<sub>5</sub> 18%****Ca 16%****SiO<sub>2</sub> 10%****OVER 18% PHOSPHATE + ESSENTIAL MINERALS**

Kap-Phos acts as a soil amendment and a fertilizer to provide essential phosphorus (P) and trace minerals to plants, while also enhancing soil fertility to better utilize important nutrients that are already present in the soil.

**CALCIUM RICH SOILS ARE FERTILE & PRODUCTIVE**

Kap-Phos sets the soil by adding calcium to buffer the soil pH, neutralize heavy metals and acidic compounds and promote aeration, creating a microbial rich environment. This is essential for increasing phosphorus release from Kap-Phos while also rendering other soil nutrients more available and accessible to the crop.

**SLOW RELEASE IRON FOR GREEN UP & GROWTH**

The presence of iron in Kap-Phos enhances chlorophyll production and overall plant health, contributing to a robust and productive growing environment. Especially consider the benefits of Iron for Turf.

**HERE'S HOW MICROBES INCREASE PHOS AVAILABILITY**

**Mineralization:** Microbes decompose organic matter, converting organic P into inorganic P that plants love.



**Solubilization:** Microbes produce organic acids that dissolve insoluble phosphorus compounds, making them soluble and available.



**Phosphatase Production:** Microbes produce enzymes that break down organic phosphorus compounds, releasing inorganic P ions.



**Mycorrhizae:** Mycorrhizal fungi form symbiotic relationships with plant roots, extending their hyphae to access otherwise unavailable phosphorus.

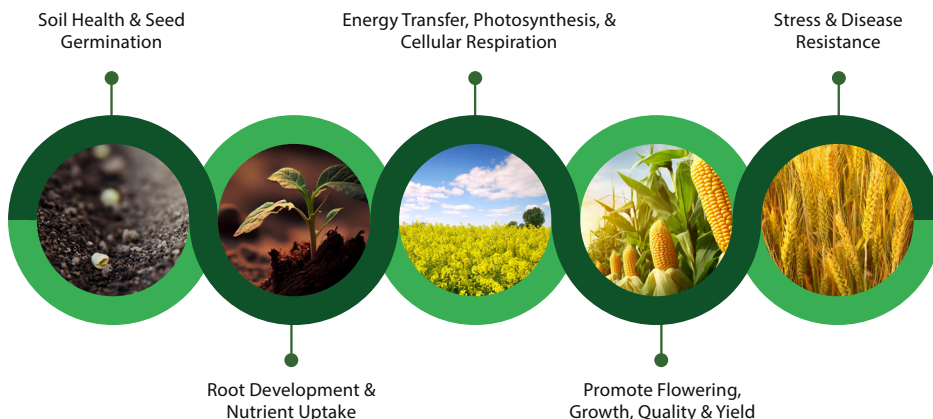


**PSMs:** These microorganisms actively solubilize phosphorus from insoluble compounds.

Promote sustainable agriculture by sourcing natural resources that minimize your carbon footprint and benefit soil fertility for ongoing crop production.

**CROPS NEED PHOSPHORUS ALL SEASON LONG**

**Kap-Phos** gradually releases phosphorus over time, providing a long lasting supply for crops as needed, minimizing losses to the environment, reducing the need for frequent applications, saving time and resources.

**CALCIUM STRENGTHENS & PROTECTS**

Forms Calcium Pectate to provide support and stability

Contributes to cell division and elongation for growth

Messenger in cellular signaling to respond to environmental stress

Helps with uptake and mobility of nutrients to ensure balanced nutrition

Strengthens cell walls and membranes to increase disease resistance

**APPLICATION GUIDELINES**

- Timing:** After fall harvest, spring, at seeding
- Rate:** 150-400 lbs/acre. The recommended application rate varies depending on soil phosphorus levels, crop type, and specific growing conditions. Conduct a soil test for precise recommendations.
- Methods:** Broadcast, band, side dress, incorporate to optimize availability

**TECHNICAL SPECIFICATIONS**

- Physical Form:** Powder or Granular
- Packaging:** Available in bulk, including bulk bags
- Shipping:** Pick it up, or we can ship it to you via the most economical route

