



Ferti-Organic

TECHNICAL SHEET

Rock Phosphate can help your crops in all stages, since it's a crucial element for enhanced crop and plant development.

Advantages

Phosphorus is responsible for a variety of plant functions and is a component of many necessary plant compounds. Without phosphorus, plants struggle to complete the following:

- Photosynthesis
- Cell Division and Multiplication
- Proper Root Development
- Complete Crop Production
- Efficient Bud and Food Development

We have one of the highest grade organic-approved rock phosphate source. 28% total P₂O₅, 30% calcium, plus a full spectrum of other minerals (S, Fe, Mg, K, Si, Zn, etc.)

More phosphorus in less volume means it's easier to handle, and can translate to lower application rates and costs.

Rock Phosphate is low in heavy Metals and provides beneficial nutrients:

Calcium: With over 30% calcium oxide (CaO), Rock Phosphate is a great source of calcium. This mineral is essential for the formation of cell walls and cell membranes. Without enough calcium, plants exhibit weak stems and roots as well as distorted new growth

Minor Minerals: contains several important secondary and trace minerals like: Magnesium is an essential part of chlorophyll and therefore necessary for photosynthesis. Sulfur is required for protein synthesis as well as the formation of chlorophyll. Iron is involved in the formation of chlorophyll as well as DNA synthesis and respiration. Zinc is involved in enzymatic activity as well as gene expression.

CAUTION: KEEP OUT OF REACH OF CHILDREN AND PETS. DO NOT INGEST OR INHALE. AVOID CONTACT WITH EYES OR SKIN. WASH HANDS AFTER USE.

Rock Phosphate

0-14-0

Specification:

Phosphorus available as P₂O₅ **14%**

Total Phosphorus as P₂O₅ **28%**

Calcium oxide CaO **30%**

Plus a full spectrum of other minerals
(S, Fe, Mg, K, Si, Zn, etc.)

Presentation

Available in 50lb bags

Choose from crumble for economic broadcast applications; granulated or fine-milled for special purposes, or micronized for drip and fertigation systems

Our -100-mesh micronized powder allows growers to apply rock phosphate as a direct application or for manufacturers to utilize this sizing for custom-blended fertilizers to meet various soil conditions and various crop requirements. Our granulated and pelletized phosphate will provide all of the same nutrient benefits in easy-to-use spreader application.

Our -350-mesh sizing is a custom ground for solution-based application in hydroponic operations. Its fine particle size allows growers to use it in drip and fertigation systems without the worry of clogging lines. When applied, Rock Phosphate not only provides short-term phosphorus but also helps sustain long-term soil health and crop growth.



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Uses

Row Crops

The production of row crops often involves continuous cropping and removal of plant materials. Consequently, soils can become low in nutrients including phosphorus. Without enough phosphorus, plants struggle to photosynthesize, transfer energy, and fully develop roots and stalks.

Before applying rock phosphate, conduct a soil test to determine how much material is required. Depending on the need, rock phosphate can be applied via multiple methods. Broadcasting can be used to add phosphorus to the soil either before seeding or during crop growth

Tree Crops

Trees are reliant phosphorus for processes including energy transfer, root development, and photosynthesis. Without enough phosphorus, trees will exhibit discolored leaves and stunted growth.

Phosphate applications help trees reach maximum flower and fruit development. If trees do not have enough phosphorus, they will produce fewer flowers and fruit.

When applying organic phosphate to trees, it's best to use a banding method. This involves placing fertilizer in the root zone on one or two sides of the tree to allow for plant uptake.

Cannabis

Phosphate application at the planting stage of Cannabis is essential for rapid and robust root development. Without enough phosphorus at this early stage, plants will struggle to photosynthesize, transfer energy, and develop roots and genetic material.

When plants enter the flowering stage, their phosphorus needs change. The flowering and budding processes are highly reliant on phosphorus.

Finely pulverized rock phosphate can be applied to hydroponic solutions and granulated or pelletized products are perfect for side-dressing or spreading.

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