



# 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. It does not only provides short-term phosphorus but also helps sustain long-term soil health and crop growth.

### 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 P<sub>2</sub>O<sub>5</sub>, 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 content **14%**

Total P<sub>2</sub>O<sub>5</sub> **28%**

Calcium oxide (CaO) **30%**

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

### Uses and Benefits

**Row Crops:** 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.

**Rock Phosphate** applications help trees reach maximum flower and fruit development.

When applying 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.

### Appearance:

Gray fine powder.

### Presentation:

Available in 50 lb/ 20 kg bags.

### Compatibility:

It is compatible with all fertilizers.

 **Ferti-Organic**

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