

Talborne Organics

Growing Health

PRODUCT INFORMATION AND TECHNICAL DATA SHEET

Soft Rock Phosphate

Vita Rock-Phos

P13%; Ca33%

Approved Input for Organic farming

25kg Bag & 1000kg Bulk Bag

Phosrock14

Min.P12%; Ca32%

Not Approved for Organic farming

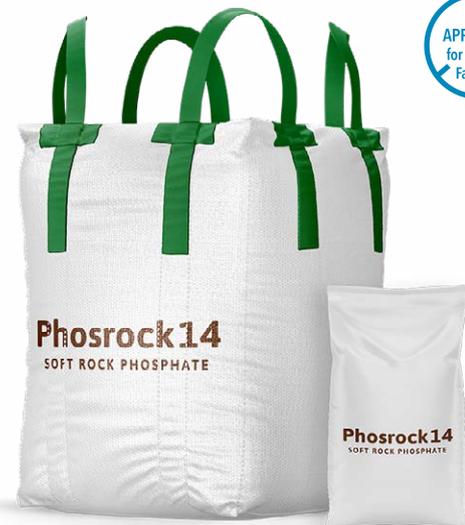
25kg Bag & 1000kg Bulk Bag



INPUT:
Organic EU
(CU 833864)



APPROVED INPUT:
National Organic
Program NOP



Phosphorus (P) is a major plant nutrient found in every living plant cell. It is essential for healthy plant growth as it is responsible for key plant functions, such as energy transfer, photosynthesis, formation of sugars and starches, and nutrient movement within the plant.

An estimated 80% of soils in Sub-Saharan Africa are deficient in phosphorus. Phosphorus deficiency in plants causes poor root development which means less water and nutrients are available to the plant. Leaf development is also retarded, resulting in plants that have fewer and smaller leaves, reduced photosynthesis, and limited productivity.

Talborne's soft rock phosphate is an effective way to correct soils deficient in phosphorus.

BENEFITS OF SOFT ROCK PHOSPHATE FERTILIZER:

- ✔ **Cost effective** phosphate fertilizer with a sustained release over many years
- ✔ **Good solubility** means the phosphate is quickly available for uptake by the plant
- ✔ **Neutral pH** & low levels of heavy metals
- ✔ **It does not harm soil biology** like acid-treated products do
- ✔ **A rich source of calcium and silica** which are essential plant nutrients for strong and resilient growth
- ✔ **Easily spreadable** - Standard fertiliser / lime spreaders can be used

Soft Rock Phosphate is environmentally friendly because it is less water soluble than traditional synthetic phosphate fertilizers, thus reducing leaching, run-off and phosphate pollution in dams and rivers (Eutrophication).

Soft Rock Phosphate

Specifications:

PRODUCT	Vita Rock-Phos	Phosrock 14
Description	<ul style="list-style-type: none"> • Premium soft rock phosphate • Naturally mined & untreated • Approved Input for Organic farming and growing • Granule or Powder 	<ul style="list-style-type: none"> • Soft rock phosphate • Mined and concentrated • Not allowed for Organic farming and growing • Powder only
Phosphorus (P)	13.0%	Min. 12.0%
Calcium	33.0%	32.2%
Silica	4.20%	4.67%
Solubility (2% Citric Acid)	40%	20%
% Moisture	Max. 5%	Max. 5%
Bulk density	1310 kg / m ³	1700kg / m ³
Colour	Orange, Brown	Brown
NDA Registration No.	K11314	K10463

Advice: Phosphate is tightly bound to other elements in the soil. Bacteria and Fungi are essential in freeing it up and making it available to the plant. If your soils contain sufficient levels of Carbon and Organic matter, and are free of chemicals that inhibit microbial life, they will be better at supplying phosphate and other nutrients to the plant.

Directions for use:

- Phosphate is not very mobile in the soil, therefore it should be broadcast, or band placed and incorporated into the soil, or applied in-row with planting. For planting tree and vines, apply directly in the planting hole as it does not burn roots.
- In planted areas broadcast as a top-dressing and till into the soil without disturbing the roots.
- It can be added to compost or growing mediums for a sustained release of phosphate and calcium.
- Apply at any time of the year, preferably 6 weeks prior to key crop growth phases (Early Spring)
- Application rate: Should be based on soil or leaf analysis and adjusted according to the crop and yield requirements. It is recommended to get advice from a suitably qualified person. A typical application rate is 250kg per ha per annum or until P levels are shown to be adequate through soil analysis.
- **Do not overapply** phosphate as an excess can create imbalances in soils which can limit or inhibit the uptake of other nutrients.

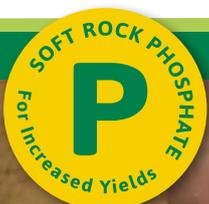
Packaging: Available in 25kg bags or 1000kg bulk bags.

Storage: Keep product dry to ensure optimal spreading.

Health and Safety:

- **KEEP OUT OF REACH OF CHILDREN AND ANIMALS.** Not intended for ingestion.
- Wear a dust mask to avoid inhalation and wash hands after handling the product.
- Wear eye protection to prevent dust from entering eyes

Warranty: Great care is taken to ensure the quality of the product; however, Talborne Organics cannot control the conditions of use or guarantee the suitability of the product for each unique application, therefore Talborne Organics cannot be held liable for the results, injury or damages resulting from the use of this product alone or in combination with other materials. If the product is proven to not comply with the technical specification or is damaged, we undertake to replace it.



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For Increased Yields