



## Fertoz Rock Phosphate

**Source** Mined deposits of rock phosphate in British Columbia and Montana

### **Analysis** 0-7-0

- 20-25% total P<sub>2</sub>O<sub>5</sub>
- 5-10% available P<sub>2</sub>O<sub>5</sub>
- 30-60% Calcium Carbonate
- 10-20% Silica

### **Product Notes**

- 56 lb/ft<sup>3</sup> bulk density
- Ground to a 100 mesh particle size
- Apply with lime spreader or similar equipment

### **Uses**

- A good option to supply crop phosphorus and build long-term phosphorus reserves, particularly when manure or compost sources of P are limited or unavailable
- May not be suitable for soils already high in calcium

### **Application Rates:**

- General recommendations based on experience:
  - 250 to 280 lbs/ac based on phosphorus test levels in acidic soils (pH <6.5)
  - 350 to 400 lbs/ac of a 70:30 ratio of Fertoz rock phosphate and elemental sulfur, based on phosphorus test levels in alkaline soils (pH >6.5)
- Typically broadcast and incorporated in spring (ideally 4 to 8 weeks before crop phosphorus demand peaks, less in highly-deficient soils)
- Allow 3 years to see the full impact of the amendment application

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## **Comments:**

- Fertoz is higher in available phosphorus than other mineral amendments
- Phosphorus availability can be improved by blending with manure, compost, humates, biologicals, and elemental sulphur
- An 8-week study in Western Canada on pH neutral, P-deficient soils showed that phosphorus availability doubled with the application of Fertoz, tripled when Fertoz was blended with sulfur, and increased a further 50% with the addition of compost
- P availability from phosphate rock fertilizers is also positively correlated with AMF and green manure incorporation
- Fertoz Rock Phosphate is approved for organic use by Pro-Cert Organic

## **Contact Us**

Thompsons has staff trained to meet the needs of organic farmers at locations across Ontario.  
Please contact your nearest branch to learn more!

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