

Red Pocket VolcanoPhos 25% P₂O₅

- VolcanoPhos originates from the Cargill Carbonatite-Phosphate Complex located near Kapuskasing, Ontario.
- It is currently the only available North American sourced igneous hard rock containing apatite (phosphorous source).
- Igneous rock provides a different suite of trace minerals compared to sedimentary rock primarily in rare earth elements while being lower in aluminum content.
- It meets the NOP (National Organic Program) requirements for use on certified organic farms as a clean mineral source to aid as a soil amendment.

Compositional Analysis

Aluminum (Al ₂ O ₃)	0.63%	Magnesium (MgCO ₃)	2.12%	Sodium (Na ₂ O)	0.22%
Calcium (CaCO ₃)	35.20%	Phosphorous (P ₂ O ₅)	23.70%	Sulfur (SO ₂)	1.82%
Iron (Fe ₂ O ₃)	15.06%	Potassium (K ₂ O)	0.04%	Titanium (TiO ₂)	0.08%
	ppm		ppm		ppm
Antimony (Sb)	7	Gallium (Ga)	8	Tellurium (Te)	2.8
Arsenic (As)	<3	Gold (Au)	<5	Thallium (Tl)	<2
Barium (Ba)	349	Lanthanum (La)	311	Tin (Sn)	<5
Beryllium (Be)	4.2	Lead (Pb)	20.6	Uranium (U)	34.6
Bismuth (Bi)	3.2	Manganese (Mn)	2073	Vanadium (V)	210
Boron (B)	<5	Molybdenum (Mo)	<2	Tungsten (W)	3.7
Cerium (Ce)	19.7	Nickel (Ni)	23	Yttrium (Y)	97.4
Cobalt (Co)	72.4	Scandium (Sc)	24	Zinc (Zn)	74
Chromium (Cr)	10.4	Selenium (Se)	<5	Zirconium (Zr)	24.6
Copper (Cu)	45.2	Silver (Ag)	<0.2		

Calculated into Elemental Analysis

Aluminum (Al)	0.33%	Magnesium (Mg)	0.61%	Sodium (Na)	0.16%
Calcium (Ca)	14.08%	Phosphorous (P)	8.60%	Sulfur (S)	0.91%
Iron (Fe)	11.23%	Potassium (K)	0.03%	Titanium (Ti)	0.05%

Application Rates

- VolcanoPhos is typically applied at a rate of 300 to 500 lbs per acre each year until optimal phosphorus levels are reached.

- It is a slow release rock that should be added with a carbon source (when feasible) such as compost, peat to increase the speed of breakdown of the primary minerals into more plant available forms.
- When adding to raw materials prepared for composting, 10% VolcanoPhos is a recommended rate.
- It is available in different gradients depending on your requirements and needs.
- For optimal results, please follow a complete fertility program that includes regular soil testing.