

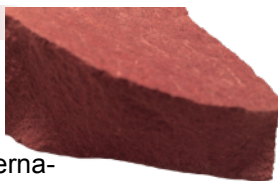


Description

Commercial name: BK - Potash Red Clay

Formula: $(K,Na)(Al,Mg,Fe)_2(Si_{2.1}Al_{0.9})O_{10}(OH)_2$

The Potash Red Clay is a low solubility mineral alternative to chemical nutrition, rich in magnesium, calcium, potassium and sulfur. This slow release mineral fertilizer is suitable for all type of crops, and has a favorable efficiency even in eroded soils, amending them.



Benefits

- It is completely natural.
- It is environmentally friendly, since it does not salinize nor erode the soils.
- It's a slow release nutrition source - there is no loss.
- It's compatible with chemical and organic fertilizers.
- It can be applied in all type of soils and climates.
- It's ideal for all type of crops, since it contains micro-nutrients that complete the nutrition.

Composition

ELEMENT	SOLID %	SOLUBLE %
Carbon (C)	3.64	8.93
Nitrogen (N)	3.66	3.10
Sodium (Na ₂ O)	0.38	10.39
Magnesium (MgO)	3.03	4.59
Aluminium (Al ₂ O ₃)	15.99	ND
Silicon (SiO ₂)	38.92	0.42
Phosphorus (P ₂ O ₅)	0.28	ND
Potassium (K ₂ O)	2.54	5.01
Sulfur (SO ₃)	0.35	26.92
Calcium (CaO)	5.09	3.34
Iron (FeO)	5.96	ND
Titanium (Ti)	0.42	ND



*The soluble salts test reflects the real available percentage, since the plants get their nutrition intake by a charge differential in the elements; this is, by cation exchange means, which in order to take place, need the right temperature, pH and humidity.

Physical properties

Color: Ochre to dark red.
Moisture: 5% maximum.
CEC: 39.84 meq/100 gr
Hardness: 3.5 Moh's
Solubility: INSOLUBLE (>0.01%)

Presentation

Available mesh:

BK-006: mesh 4x10 (sizes from 2 to 5mm)
BK-018: mesh 10x30 (sizes from 0.6 to 2mm)
BK-100: mesh 30x100 (0.1 to 0.6mm - powder)

Package: polypropylene 50 kg sacks.



Recommendations

Clayey soils 200kg/Ha
Loamy soils 250kg/Ha
Sandy soils 300kg/Ha

Starter fertilizer mixtures can contain from 150 to 250 kg per ton of BK.

It is suggested to apply directly into the first centimeters of soil before sowing or planting, or use on established crops the closest to the root system.

The recommended dosage will depend - besides on the soils structure - on the content of existing nutrients, as well as the soil pH and CEC (Cation Exchange Capacity), thus occasionally, an inappropriate pH or high contents of certain elements interfere with the adsorption of other nutrients and the plant intake is far from optimal, creating deficiencies which lead to low production and poor quality; therefore, it is always suggested to fertilize - whenever possible - based on a soil analysis, in order to get the best results out of the products.

Precautions

This product is NOT food grade; it is not suggested to ingest. Since it can cause skin dryness and powder lungs, it is recommended to employ special safety equipment for handling: overall and gloves, respirator and goggles. It is NOT corrosive nor toxic, although it is volatile. In case of eye or skin contact, wash with abundant water. Keep away from the sun light and moisture, preferably on pallets. Dispose the package in an appropriate place, ensuring to not pollute the closest water bodies.