FOCUS
Phosphate Rock
for Better Farming

Peruvian Reactive Phosphate Rock Fertilizer

A New Organic Alternative

Sechura rock – the best direct application rock phosphate fertilizer in the world.

Why choose Sechura RPR for better farming?

- Performs as well as single super phosphate under common tropical soil & climate conditions
- Gradual release of phosphorus provides a residual effect in the soil
- Provides high levels of phosphorus and calcium, and adds bulk to soil

Sechura Reactive Phosphate Rock (RPR)

10.5 - 12.5%
TOTAL PHOSPHORUS

2% Citric acid solubility
14.5 - 15.5%

2% formic acid solubility
18.7 - 22.0%

Sechura Reactive Phosphate Rock (RPR) from Peru is a natural, gradual-release source of phosphorus that can be applied directly to crops. RPR produces excellent results in acid to mildly acidic soils, by adding phosphorus to the soil over a longer period of time than some manufactured fertilizers such as single super phosphate.

Ideal for Oil Palms

Sechura RPR is used extensively on oil palms in Malaysia and Indonesia. In a controlled trial of three different phosphorus sources on immature oil palms (medium reactive Phosphate Rock, highly-reactive Sechura RPR and Triple Superphosphate TSP) the plot fertilized with Sechura RPR fertilizer gave a higher yield of about 9%, equivalent to 1.7 t/ha/year, than the plot fertilized with medium reactive Phosphate Rock over a 3 year period.[1] Over 5 years, Sechura RPR actually achieved slightly higher yields than palms fertilized with TSP. The study concluded that "the direct application of high reactive Phosphate Rock fertilizer on tropical soils is... agronomic and economically sound management."

RPR is highly effective in tropical regions. The IFA found no difference in effectiveness between water soluble phosphate fertilizers and RPR in specific countries with high acreages of oil palm and other tree crops and tropical acidic soils.

1 Ng, P.H.C., et al., 2010, The Use of Phosphate Rocks for Growing Mucuna Bracteata in Oil Palm Legume Systems to Enhance Sustainability.

Similar yields for a lower price than SSP

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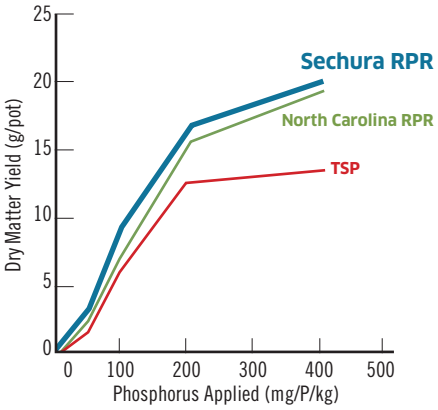
Why choose Sechura RPR?

Only sea water is used to concentrate the rock, Focus expects to obtain Organic Certification shortly after production starts.

Sechura RPR will be an ideal source of phosphorus for organic farms throughout the Americas.



Chien, S.H. 1982. Direct application of phosphate rocks in some tropical soils of South America: a status report. In E. Pushparajah & S.H.A. Hamid, eds. Phosphorus and potassium in the tropics, pp. 519–529. Kuala Lumpur, Malaysian Society of Soil Science.

Product Description

Sechura RPR looks like brown beach sand. It is made up of brownish particles of natural phosphorus minerals – mainly calcium phosphate – and it can be applied directly to crops by broadcasting, banding or in the seed strip.

It works best in tropical climates, on acid soils with high rainfall. The phosphate minerals react with the natural soil acids slowly releasing phosphorus.

Sechura RPR also contains Gypsum – a natural source of calcium and sulphur – and micro-nutrients such as copper, zinc and molybdenum. It can be blended with other nutrients to produce a range of different multi-nutrient fertilizers.

Sechura RPR is probably the most reactive, naturally occurring rock phosphate in the world.

Specification	Typical Levels
P_2O_5	24-28%
Total P	10.5 – 12.5%
2% Citric Acid Solubility	14.5%
2% Formic Acid Solubility	18%
% passing 0.5mm	98%
CaO	40%
MgO	0.50%

Specification	Typical Levels
K_2O	0.15%
S	1.50%
Fe_2O_3	0.60%
Mo	10 ppm
Zn	100 ppm
B	50 ppm
Cu	15 ppm

Focus Ventures' Bayovar12 project, in the Sechura region of northern Peru, is famed in agronomic circles as a source for superior reactive phosphate rock. Their 31,000-acre property hosts 13 stacked horizontal beds of free-digging phosphate rock with phosphorus pentoxide (P_2O_5) that can be concentrated into a RPR product of up to 28% P_2O_5

With less than half the property examined by exploration drilling, Focus' Bayovar 12 project already has a documented NI 43-101 mineral resource estimate of 210 million metric tonnes of Indicated resources, 18 million tonnes of Measured resources, and 102 million metric tonnes of Inferred resources grading 13.1% P_2O_5. Focus is proposing to produce 1-million metric tonnes of rock concentrate per year grading 24% and 28% P_2O_5.