



# Langfos [P] 96.2 g/kg

## Langfos is the only Organic Sedimentary Rock Phosphate mined in South Africa

Langfos was extensively mined from 1923 to 1994 and farmers who have used Langfos can still observe the positive effects it has had in their lands. In 2010 a new mine [Geckofert] was opened, currently in operation and ready to place a firm footprint in the agricultural sector once again.

### Fertilizer Information

Langfos dissolves partially in weak acids such as citric acid and when finely milled, it is used as a phosphate fertilizer in both high and low Ph soils. Available in bulk, 5kg, 10kg, 50kg, 500kg bags and 1 ton bags.

### Benefits

As Langfos is not water soluble, it's a slow release product that releases the phosphate to the plants over many years assisting the farmer to build up healthy lands. It enriches the soil with trace elements and stimulates root growth and helps with photosynthesis in all plants.

### General recommendations for usage

Langfos can be applied according to need of soil analysis. Langfos will never cause a problem if too much is applied. Recommendations can range from 100 to 1500kg per hectare. Consult one of our agents in this regard. Langfos and ammonium sulphate nitrogen is a very good combination, which is further improved if mixed with any organic fertilizer.

### Earthworms and Langfos

20kg of Langfos were fed to 8000 earthworms along with other organic food over a period of 8 weeks. The manure was analyzed and there was a significant increase in the phosphate content. This results in when earthworms are present in soil and Langfos is administered, it will further enrich the soil and increase the P%.

### Trace elements in Langfos

Almost all natural trace elements are present in Langfos and as an organic phosphate, it is registered as such with the Department of Agriculture – Organic Registration No. B4038 Fertilizer Group 2, Act 36 of 1947.

### Aluminum toxic soils

Langfos has the unique property as to when agricultural soils are contaminated with toxic aluminum, especially in coastal KZN, North West and coastal Eastern Cape, it restores the soil so that it releases more phosphorus for root development. In toxic aluminum soils, chemical phosphates cannot fully work, but after Langfos is applied broadcast and chemical phosphate used to plant, the two phosphates combine to form a tri-phosphate.

### Analysis

		% m/m
Total Phosphorus	(P)	9.62
2% Citric acid soluble Phosphorus	(P)	3.34
Calcium	(Ca)	20.1
Sulphur	(S)	0.145
Magnesium	(Mg)	1.30
Iron	(Fe)	0.73

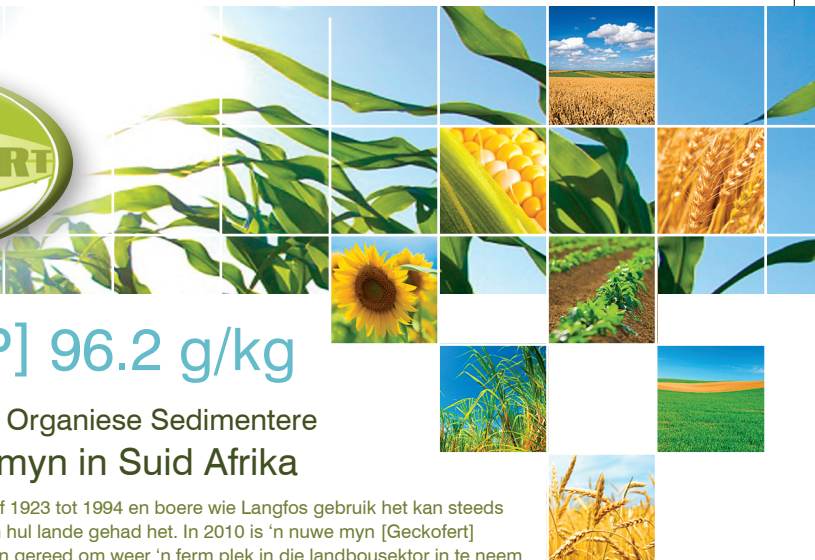
### mg / kg

Manganese	(Mn)	9
Copper	(Cu)	3
Zinc	(Zn)	13
Molybdenum	(Mo)	< 10
Boron	(B)	0.8

Registered & distributed by: Gecko Fert (Pty) Ltd | 15 Retief Street | Noorder-Paarl | 7646

CUSTOMER CARE: 083 461 8979 | EMAIL: [info@geckofert.co.za](mailto:info@geckofert.co.za)

WEBSITE: [www.geckofert.co.za](http://www.geckofert.co.za)



# Langfos [P] 96.2 g/kg

## Langfos is die enigste Organiese Sedimentere Rots Fosfaat gemyn in Suid Afrika

Langfos was intensief gemyn vanaf 1923 tot 1994 en boere wie Langfos gebruik het kan steeds die positiewe effekte sien wat dit in hul lande gehad het. In 2010 is 'n nuwe myn [Geckofert] oopgemaak, huidiglik in werking en gereed om weer 'n ferm plek in die landbousektor in te neem.

### Bemestingstof Informasie

Langfos los gedeeltelik op in week sure soos sitroensuur en wanneer dit fyn gemaal word, word dit gebruik as 'n fosfaatbemestingstof in hoë en lae Ph gronde. Beskikbaar in losmaat, 5kg, 10kg, 50kg, 500kg sakke en 1 ton sakke.

### Voordele

Aangesien Langfos nie oplosbaar in water is nie, is dit 'n stadig-vrystellende produk wat die fosfaat oor baie jare vrystel aan die plante en die boer in staat stel om gesonde lande op te bou. Dit verryk die grond met spoorelemente en stimuleer wortelgroei en help met die fotosintese in alle plante.

### Algemene aanbevelings vir gebruik

Langfos kan toegedien word volgens behoefte van grond analyses. Langfos sal nooit 'n probleem veroorsaak as te veel toegedien is nie. Aanbevelings kan wissel van 100 tot 1500kg per hektaar. Raadpleeg een van ons agente in hierdie verband. Langfos en ammoniumsulfaat stikstof is 'n baie goeie kombinasie, wat nog verder verbeter as dit met enige organiese bemestingstof vermeng word.

### Erdwurms en Langfos

20kg Langfos is aan 8000 erdwurms saam met ander organiese kos oor 'n periode van 8 weke gevoer. Die mis is ontleed en daar was 'n aansienlike toename in die fosfaat inhoud. Gevolglik as erdwurms in grond teenwoordig is en waar Langfos toegedien is, word grond verder verryk en sal die P% verhoog.

### Spoorelemente in Langfos

Daar is bykans alle natuurlike spoorelemente in Langfos en as 'n organiese fosfaat, is dit ook so by die Departement van Landbou geregistreer – Organiese Registrasie No. B4038 Misstof Groep 2, Akte 36 van 1947.

### Aluminium toksiese gronde

Langfos het die unieke eienskap om landbougronde wat met aluminium toksies besmet is, veral in KZN kusgebiede, Noordwes en Ooskaap kusgebiede, die gronde te laat herstel sodat dit beter fosfaat vrystel vir wortelontwikkeling. In toksiese aluminium gronde kan chemiese fosfate nie ten volle werk nie, maar nadat Langfos breedwerpig toegedien is en chemiese fosfaat by plant gebruik word, vorm die twee fosfate 'n tri-fosfaat.

### Ontledings

		% m/m
Totale Fosfor	(P)	9.62
2% Sitroensuur & oplosbare Fosfor	(P)	3.34
Kalsium	(Ca)	20.1
Swael	(S)	0.145
Magnesium	(Mg)	1.30
Yster	(Fe)	0.73

### mg / kg

Mangaan	(Mn)	9
Koper	(Cu)	3
Sink	(Zn)	13
Molibdeen	(Mo)	< 10
Boor	(B)	0.8

Registrasie & distribusie deur: Gecko Fert (Pty) Ltd | 15 Retief Straat | Noorder-Paarl | 7646

**KLIENTE DIENS: 083 461 8979 | EPOS: info@geckofert.co.za**

**WEBWERF: www.geckofert.co.za**