



# Inspection Report Inputs

## Gecko Fert (Pty) Ltd

Rock Phosphate Fertilizer

SOUTH AFRICA

10 December 2013

After inspection and as a complement of the deviations notified by the inspector, you'll find below the results of this report, that you may read as follows:

- **IMPROVEMENT ACTIONS REQUESTED (Attestation granted)** : they don't prevent the attestation of your products but they have to be taken into consideration. We ask you to keep us informed about their implementation within a delay of 3 months from the reception of this letter.

- **ATTESTATION PENDING** : some deviations prevent the attestation of your products. You are requested to return the information needed within the specified delays or in 60 days.

- **DECLASSIFICATION**: it is notified when a serious infraction occurs with the impossibility of marketing your products with the Ecocert reference.

# INSPECTION REPORT

## INPUTS PROCESSING / HANDLING / DISTRIBUTION

<b>Report Code</b>	125878ZA1300R1e
<b>Inspection report finalization date</b>	10 December 2013
<b>Number of pages</b>	
<b>Inspector</b>	Bennie Wessels
<b>Inspection date(s)</b>	28 November 2013
<b>Company name</b>	Gecko Fert (Pty) Ltd
<b>Operator address</b>	15 Retief Street, Paarl 7646 CAPE Town
<b>Country</b>	SOUTH AFRICA
<b>Responsible operator</b>	Braam Burger
<b>On site address</b>	Gecko Fert Mine Langebaanroad, Western Cape
<b>Country</b>	South Africa
<b>Representative person</b>	Kobus Swart

**PREAMBLE:** This report is destined exclusively to ECOCERT and to the commissioner for the purpose of organic certification. The report cannot be used for advertising or commercial purposes. The signature of this page by the commissioner implicates acceptance of the entire report.

<b>On behalf of Ecocert SA</b>	<b>Date and Place</b>	<b>Signature of the representative of the operator</b>

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The listed products are proposed for attestation according to the standards specified in the table below :

Products	Category	Standard(s) of attestation
Langfos Phosphate	Fertilizer	EU + NOP

## 2. SHORT PROJECT PRESENTATION AND CONCLUSION OF THE INSPECTOR

### 1. Short presentation of the project and of the inspection conditions

(summarize the important points)

Sedimentary Phosphate are deposits of biological origin (particularly marine fauna) which is formed after the chemical breakdown of bones, animal manure and beneficiated rocks. This apatite (sometimes called phosphorite) is less crystalline and practically amorphous and therefore more soluble than beneficiated rocks – it dissolves partially in diluted weak acids such as citric acid, and in beneficiated and finely milled form it can be used as a phosphate fertilizer, especially in acid soils.

Examples: Morocco, Taiba, Togo, Gafsa (Tunis), Tennessee and Florida (USA), island deposits and 'Langfos' (Langebaan Road, South Africa).

Over the years sedimentation from cold mineral rich fish waters along the West Coast of the Cape has formed valuable deposits which became further enriched by fossil marine and terrestrial animals who contributed threefold to that unique now shallowly covered phosphate occurrence as it is mined today. Altogether 300 different species of prehistoric animals and a number of plants have been identified so far. Arctic and subtropical climatic conditions must have alternated with storms, floods and droughts. Fluctuation in temperature and the bottom of the sea (over 120m) over the last 20 million years are the main causes of these rather drastic changes.

As Langfos is not water soluble, it's a slow release product which 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.

In 2010 a new mine [Gecko Fert] was opened at Langebaanweg and is currently in operation and was certified as being compliant for organic crop production early in 2013. This has been the second inspection.

As mentioned the site of the new mine is a farm adjacent to the previous mine and is in new unused veldt. The whole process (without any inputs used) is quite simple and consist of the following:

Mining:

- Test holes are drilled in the soil to establish the extent and thickness of the deposit.
- About 0.5m of top soil is removed to be used for soil rehabilitation later.
- About 1.5 - 2.0m of rock phosphate deposit are mined.
- Mined rock phosphate is transported from mine to Processing(Milling) facility by VDM Vervoer.
- Mined area is covered by the removed topsoil and is planted to indigenous grass.

The past year between 500 and 600 ton of ore has been mined and it is estimated that about 8,000 ton will be minded in 2013 with an average 30% waste of eventual rock not milled. Unfortunately mining depends mainly on farmer demand and at this time a summer drought is gripping South Africa which can be a strain on production. Product is marketed in 50 (Ecocert labelled), 500 and 1000kg bags as well as in bulk. Although the bagged products can be accurately quantified the bulk cannot. The fact that the product is stockpiled (See photo attachment) in bulk the estimations on starting stock as well as end stock is mainly calculated guesswork it was decided not to do a balance test as the result would seem to be at best unreliable.

## 2. Explanatory notes to the inspection report and of its attachments

None

## 3. Overall evaluation of the operation

### 3.1. Strong points

- Product is completely natural
- No other inputs other than mined rock used.
- Area where mining took place is completely rehabilitated.

### 3.2. Weak points

- No obvious weak points

## 4. Completeness of the inspection, conditions of the inspection and recommendations for further / next year inspections

All aspects of the manufacture of Langfos has been inspected. No additional inspections are suggested and no special focus is suggested for the next inspection.



<b>CONCLUSION FOLLOWING THE INPUT VERIFICATION</b>
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<b>Inspection date</b>	28 novembre 2013	<b>Signature Inspector :</b>
<b>Inspector</b>		
<b>Company name</b>	Gecko Fert (Pty) Ltd	
<b>Address</b>	15 Retief Street, Paarl	7646 CAPE Town
<b>Country</b>	SOUTH AFRICA	<b>Signature Responsible:</b>
<b>Responsible person</b>	Braam Burger	
<b>Address on site</b>	UDM Site, SALDANHA	Cape Town
<b>Country</b>	SOUTH AFRICA	

These conclusions are established on the basis of the information available during the inspection, and are not necessarily identical with the result of the decision-making process of attestation. Only the attestation of conformity issued by Ecocert shall be regarded as a reliable document.

## 1. PRODUCTS

Product #	Commercial Name	Category	Evaluation result for each product according to the respective standards			
1	<i>Langfos Phosphate</i>	Fertilizer	EU 889/2008 allowed Annex I	NOP allowed 205.601		

## 2. CORRECTIVE ACTIONS NEEDED

Ref.	Weak point	Inspector's description	Level
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