



Ministry of Food & Agriculture

Market-Oriented Agriculture Programme



Ghanaian-German
Development Co-operation

Organic Fertilisers

Rock phosphate

Rock phosphate is available in Ghana from Golden Stork/Louis Dreyfus Ltd. It contains **28% P₂O₅**, **39% CaO** and 8% H₂O. Rock phosphate is a slow release fertiliser that does best in soils which are slightly acid.

The acidity helps to make the Phosphorus available from the finely ground rock material. In those conditions it can more than rival the conventional form of Superphosphate. Rock phosphate can be applied at the beginning of the growing season as a top dressed fertiliser for annual crops and pineapples.

For tree crops it can be broad cast before planting the trees and subsequently sprinkled around the trees' drip-lines once per season to replace nutrient removal via the fruits harvested.

Rock phosphate is a fertiliser which is allowed under **organic certification** rules; however, it should be watched that the Cadmium content is low, i.e. less than 12 ppm.

Cadmium is a toxic, heavy metal and can accumulate in the kidneys of animals.

 Louis Dreyfus • www.goldenstork.net • 0303 206060 • 0241 457533 • 0245 443012 (Stephen Tour)

Crop waste materials

Material	Nitrogen (N) % dry weight	Phosphorus (P) % dry weight	Potassium (K) % dry weight
Cocoa shells	3.0	1.0	3.0
Coffee shells	2.1	0.3	0.3

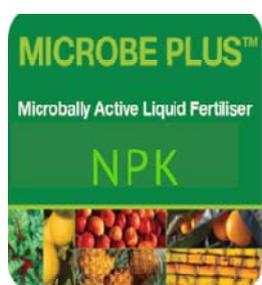
Cocoa and coffee shells are an excellent organic fertiliser. Incorporated into the soil before planting they will slowly release their nutrients to the so fertilised crops.

Patentkali

Patentkali is Sulphate of Potash containing Magnesium Salt. Patentkali is a unique potash based fertiliser developed by combining fully soluble and naturally occurring minerals to maximise the efficiency of nutrient usage by providing three macronutrients in combination: **30% K₂O**, **10% MgO**, 42% SO₃.

Patentkali is a complex compound fertiliser in granular form, which means that every granule contains all the nutrients present for maximum availability and nutrient distribution. Patentkali can be permitted in organic farming by a certification body if the need can be demonstrated.

Some other organic fertiliser available in Ghana



COMPANY NAME	ORGANIC FERTILISER	CONTACT	% COMPOSITION OF NPK	% COMPOSITION OF OTHER NUTRIENTS
Growgreen	Microbe Plus NPK	George Geraldo 0267214121 Kwame Aguze 0244278386 Kobby 0267415842	N (6.0) P ₂ O ₅ (1.3) K ₂ O(3.7)	CaO (1.5) Mg (0.22)
Eco Product Ltd	Eco Fertilizer	www.ecoproductsltd.com	N (3.2) P ₂ O ₅ (3.3) K ₂ O (4.5),	CaO (4.5) Mg (8.5)
Farmers' Hope Company Ltd	Asase Nufusuo	Osei Bobie 0209224939 / 0274621334 / 0322099424	N (3.2) P ₂ O ₅ (3.2) K ₂ O (1.3)	CaO (4.5) Mg (0.2)
HP ECOFF Organic Fertiliser	Fertical	Kafui Asamaning 0248288468 / 0245777245 P.O Box 14, Mallam, Accra	N (3.8) P ₂ O ₅ (3.0) K ₂ O (3.0)	CaO (4.5) Mg (0.2)
Chemico Limited	Patentkali	Winfred - 0202017920 Theophilus Djorbuah 0274869222	K ₂ O(30)	SO ₃ (42) MgO (10)