



SAGREX CORPORATION

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Duofos Phosphate

QUALITY FERTILIZER • SOIL CONDITIONER

22% P_2O_5 with 30% Ca

**SUSTAINING SOIL FERTILITY...
PUSHING HIGH PRODUCTIVITY!**

**100%
NATURAL
GUANO**



**SAGREX
DUOFOS
0-22-0**
100% NATURAL PHOSPHATE
FERTILIZER AND SOIL CONDITIONER
Philippine FPA Reg. No. 1-21F-1056

CHEMICAL COMPOSITION

Available Phosphorus	22%	Magnesium	3200PPM
Water Soluble Phosphorus	50%+	Potassium	3700PPM
Water Soluble Phosphorus	30%+	Sulfur	4400PPM
Water Soluble Phosphorus	10%+	Molybdenum	10PPM
Water Soluble Phosphorus	6%	pH	8.2
Water Soluble Phosphorus	4%	Moisture Content	3%
Water Soluble Phosphorus	25%	High in Microbiological Activities	

Very Low in Heavy Metals
Cadmium approx <4PPM
Lead approx <10PPM
Mercury 0.04PPM

Net: 20kg

by: Sagrex Corporation
Philippines

Manufactured by:
PT. MADURA GUANO
Madura, Indonesia

Duofos is the only natural phosphate that reacts nearly as quick as chemical phosphate, minus most of the damaging side effects! More than 50% (average soluble 75%) of the available Phosphorus content will be available for plants within one month (citrate soluble P). The rest is slowly & constantly released as needed by plants (citrate insoluble P). Plants need continual Phosphorus supply, for max growth, Duofos provides that!

DUOFOS originated from Guano Phosphate Ore. It is the long-term development of bird's droppings & is different from rock phosphate as it is extremely soluble! It is produced only in hot, sunny & rainy tropical regions where millions of sea birds have lived and bred for thousands of years. These conditions are satisfied only in deep inhabited mountains on cliffs along seacoast, such as that of Madura, our core mine.

Guano Phosphate is composed of dicalcium phosphate layers that have been generated by the interaction of the remains of coral, sea birds, eggs, shells, fish & seaweed, as the land gradually rose over many thousands of years. Madura was submerged and slowly rose above sea level due to repeated volcano activities around 10,000 years ago. Enriched with sea minerals, it is a mineral rich fertilizers. The main component of Guano Phosphate is dicalcium phosphate and it was turned into phosphate ore by the dissipation of the nitrogen component. At the current rate of world demand, Indonesian guano phosphate deposits will last for another 150 years.

The World highest quality Phosphate

Dr. H. Odabe, Manager of the Japan Phosphor Resources Laboratory, distinguishes Duofos from the other phosphate fertilizers as the world's highest quality fertilizer. **It is considered to be one of the most effective materials to restore degraded soils.**

RECOMMENDED RATE			
CROPS	BAGS / HA.	APPLICATION	FREQUENCY
Banana	6 - 8 Bags @ 20Kg.	Ground	Every 3 - 4 Months
Pineapple	6 - 8 Bags @ 20Kg.	Ground	Every 6 Months
Sugarcane	6 - 8 Bags @ 20Kg.	Ground	Every 3-6 Months
Mango	6 - 8 Bags @ 20Kg.	Ground	Every 6 Months
Vegetables & Other Crops	6 - 8 Bags @ 20Kg.	Ground	Every 2 - 4 Months
Rice / Corn	5 - 6 Bags @ 20Kg.	Ground	1-2 Application per Cropping

Benifits of using Duofos

- Higher available Phosphorous (minimal P loss)
- Quick and slow release P component
- **Works on acid, neutral and alkaline soil**
- Guaranteed minimum 50% citrate soluble
- P Absorption starts at 4 Celsius
- Very low cadmium & other dangerous metals
- Increases cation exchange capacity (CEC) & helps microorganism to reproduce
- Provides appropriate minerals. Therefore, increases fertility, re-balances microorganism & nematodes, re-balance soil acidity
- Improves water and nutrient holding capacity
- **Acts as fertilizer and soil conditioner**
- Adds soil organic matter
- Better metabolism of nitrate in plants
- More phosphorous over the growing period
- Stronger cell walls, therefore:
 - Flavor enhancements
 - Resistance to fungus and mould attack
 - More upright stems & open leaves.
 - Enhanced photosynthesis
- More fertile and viable seed production
- Increase in soil micro fauna
- Longer shelf life of produce

P ₂ O ₅	22%
Citrate soluble.....	50%
Citrate insoluble	50%
Calcium	30%
Silicic Acid	10%
Aluminum Acid	6%
Ferric Oxide	4%
Other minerals	25%
Organic Carbon	8.6%
CEC	129Me/100gram
Magnesium	3200PPM
Potassium	370PPM
Sulphur	440PPM
Molybdenum	10PPM
PH	8.2
Moisture Content	3%
High in microbiological activities (FALA report)	

Suitable for any soil type

Phosphorous is an essential element for plants to grow. Years of trials have proven that unlike other phosphate fertilizers, DUOFOS will fertilize acid, neutral, and alkaline soil.

Usage Recommendation

Duofos is a single element phosphorous fertilizers. Urea and potash need to be applied as usual. Fertilize one month before planting seeds is the best way to maximize result. Non-organic grower can boost with mixing Duofos with 30 kg DAP/HA.



Exclusively Distributed in the Philippines by:

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