

ORGANIC FERTILISER - SOLID

Guano

Natural phosphorus - granular



- **P 9.7%; Ca 32.1%**
- **Ca and P in one microbe friendly granule**

Calcium and phosphorus are not normally combined in the one fertiliser.

Chemical fertilisers can lead to soil degradation. Guano contains a living microbial flora which enhances organic matter, encouraging microbial activity which improves nutrient uptake, plant health and soil moisture levels.

Phosphorus

The second most deficient soil nutrient (second only to calcium). Phosphate is necessary for proper plant metabolism (energy transfer), blooming and possibly somewhat earlier maturity. Phosphorus is important in cell division and the development of new tissue.

Plants deficient in P have stunted growth.

Calcium

Calcium is important for soil pH, soil health and cell wall development in plants.

Calcium also reduces the toxic effect from sodium and from soil borne fungi such as root rot and phytophthora.

- Calcium is essential for proper cell wall development in plants.
- Calcium solubility must be maintained for crop demand.
- A soil with balanced calcium is friable and easily worked.

Many fertilisers remove calcium from the soil and can be expensive and dangerous to soil health. The following products remove Ca (per kilogram of N applied):

Fertilisers	Calcium Removal/ kg N applied
Anhydrous ammonia (NH ₃)	removes 0.7kg of Ca
DAP (di-ammonium phosphate)	removes 0.2kg of Ca
Ammonium sulphate	removes 0.7kg of Ca
Calcium Nitrate	removes 0.4kg of Ca
UAN	removes 0.7kg of Ca
Urea	removes 0.7kg of Ca
MAP	removes 1.4kg of Ca

Australian Soil Fertility Manual

Application Rates

Suitable for fruit and nut trees, vines, vegetables, row crops, tropical fruit, turf, pastures and cereals.

Application rates:

Pastures: 50kg-200kg/ha

Vegetables: 200-500kg/ha

Trees & Vines: 200-300kg/ha

Cereals: 50-200kg/ha



Tel: 08 9384 3789
Tel: 03 9008 6352
info@organicfarming.com.au
www.organicfarming.com.au

