

A 100% organic farming fertiliser and soil conditioner containing four elements essential for sustainable and productive cereal, cotton, pulse or pasture cropping – phosphorus, sulphur, silica and calcium – the granulated Guano Sulphur Gold® is environmentally-friendly, odourless, suitable to many other applications and easy to spread, including through airseeders.

With a drip-feed supply of phosphorus throughout the growing season, in combination with the other elements, this natural fertiliser provides improved nutrient and nitrogen uptake, cell development, stem strength and resistance to fungal infection or water loss.



**AIR SEEDER & SPREADER;
TESTED & PROVEN**



PRODUCT ANALYSIS

	% W/W
Total Phosphorus (P)	11.8%
Sulphur (S)	9.7%
Calcium (Ca)	27.9%
Silica (Si)	26.0%
<i>see analysis for more details</i>	

GUANO SULPHUR GOLD, Features & Benefits

- Performs very well agronomically
- Environmentally Friendly
- Natural Organic Product
- Australian Organic Registered Farm Input
- Granulated (2-5mm) easy to handle & spread through all planters air-seeders, spreaders, combines & stool splitters
- No odour
- Fast & slow release of Phosphorus
- High in Cation Exchange Capacity (CEC)
- Minimal in Cadmium & Mercury content
- Suitable for blending with all other types of fertiliser (except urea)

KISMET INTERNATIONAL PTY LTD

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for & on behalf of;

GUANO AUSTRALIA PTY LTD

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100% NATURAL ORGANIC PHOSPHORUS FERTILISER & SOIL CONDITIONER



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"I found the dense weight and it being a granular product made it very easy to load and spread out of a belt driven Marshal Spreader. The dense weight of the product gave me a good 25 metre spread."

Ian Saunders
Guyra, NSW



Custom Blending

Guano Sulphur Gold [GSG] is evenly granulated. Being dust free GSG is compatible with all types of fertilisers, both Organic and Conventional.

In order to meet customer demand, GSG is successfully included as an important component in a full range of Organic, Bio-Dynamic and Conventional custom blends.

With ever changing markets, customer needs for chemical free / low chemical inputs, GSG is now meeting these huge market niches.

Guano Sulphur Gold®; granulated airseeder friendly fertiliser for sustainable and productive cropping. Contains 4 elements that are essential for your cereal, cotton, pulse, pasture programmes and more.



DRIVE YOUR PHOSPHORUS \$\$ FURTHER WITH ALL 3 FORMS OF PHOSPHORUS

1. Water-soluble Phosphorus for immediate release
2. Citric-soluble Phosphorus for mid-term release
3. Non-citric soluble Phosphorus for sustained release

11.8% Phosphorus is provided in 50% citric and 50% non-citric form providing a drip feed supply of Phosphorus throughout the growing season. The Phosphorus in the granule is in the form of a Di Calcium Phosphate and when this reacts with weak solutions of acid in the soil, soluble phosphate and calcium are released and these nutrients become available for plant uptake. To aid this process, at planting the naturally occurring silica in the granule reacts with water to form mono silica acid which in turn assists with the breakdown of the Di Calcium Phosphate. The non-citric soluble Phosphorus becomes available at higher concentrations of acidity in the root zone and, this acidity produced in part by root exudates in the maturing plant.

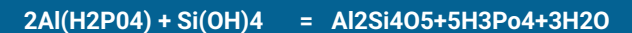
9.7% Sulphur in the elemental form and mineralises to provide a slow release of Sulphur for the entire growing season without leaching or being lost to the atmosphere as a gas. Sulphur allows the plant to efficiently uptake nitrogen and in legumes allows nitrogen fixation. Apart from supplying nutrients directly to the plant elemental Sulphur, by conversion in the soil, to Sulphuric Acid reacts with the naturally occurring Calcium Carbonate to produce plant available Calcium. This Calcium can then be used by the plant and or to assist in displacing Sodium, for this Sodium can then be leached from the soil.

GO FOR GOLD...



26.0% Silica in the form of a mono Silica Acid is taken up by the plant with water uptake and is deposited in the cell walls. This gives the plant a considerable increase in stem strength while providing a mechanical barrier to both fungal infection and water loss. Like Sulphur, Silica has a function in the soil chemistry as well as the plant. Free Silica in the soil will displace Phosphorous that is bound to Iron or Aluminium liberating plant available Phosphorous while producing an Iron or Aluminium Silicate.

Releasing tied up Phosphorus



27.9% Calcium in the form of Di Calcium Phosphate. Calcium is taken into the plant with water and is necessary for cell development. Research shows Calcium uptake begins 5 days after seed hydration therefore available Calcium at the seed is essential. Without good calcium levels, plants cannot use Nitrogen efficiently.

