

## AIR SEEDER & SPREADER; TESTED & PROVEN



REEF SAFE® is a natural, organically certified Di-Calcium Phosphorus, Calcium and Silica fertiliser. It is formed from di-calcium; phosphate layers generated by the interaction of the remains of coral, seabirds, fish and seaweed. It contains very high amounts of available Phosphorus, Calcium and Silica.

REEF SAFE® is a very well-suited fertiliser for problematic areas where leaching of "P" is an issue.

The continuous release action of Phosphorus from REEF SAFE® fertiliser may be more significant in the lighter coastal soils, in the high rainfall seasons.



**100% NATURAL ORGANIC  
PHOSPHORUS FERTILISER  
& SOIL CONDITIONER**



### PRODUCT ANALYSIS

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	% W/W
Total Phosphorus (P)	10.5%
Phosphorus (P) (citrate soluble)	5.82%
Phosphorus (P) (citrate insoluble)	4.68%
Sulphur (S)	13.0%
Calcium (Ca)	25.0%
Silica (Si)	21.0%
Zinc (Zn)	0.25%
CEC	129Me/100h
Cadmium	0.714ppm
Lead	<10.0mg/kg
Mercury	ND

### REEF SAFE® FERTILISER, FEATURES & BENEFITS

- Performs very well agronomically
- Environmentally Friendly
- Natural Organic Product
- Certified Organic Input & Bio-Dynamic Growers under the National Standards
- 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)

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ABN: 31 078 696 367

for & on behalf of;  
REEF SAFE FERTILISERS

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## Di-Calcium Organic Phosphatic Fertiliser

### PROTECTING OUR ENVIRONMENT

**We are serious about "environmental sustainability"  
and as such, REEF SAFE® Fertiliser is taking a lead position  
in the support to protect our environment.**





**GROUND SPREADER;  
TESTED & PROVEN**

Silica plays a major role in increasing the cell strength of plant tissue and thus the rigidity of the plant. The continuous release action of Phosphorus from REEF SAFE® Fertiliser results in less lockup and leaching losses than conventional fertiliser. This being significant for lighter coastal soils in high rainfall seasons.



### CUSTOM BLENDING

REEF SAFE® is evenly granulated. Being dust free REEF SAFE® is compatible with all types of fertilisers, both Organic and Conventional.

In order to meet customer demand, REEF SAFE® 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, REEF SAFE® is now meeting these huge market niches.



## PROTECT THE REEF

REEF SAFE® granulated airseeder friendly fertiliser for sustainable and productive cropping. Contains 4 elements that are essential for your cropping programmes.

Ideal for;

**Bananas. Avocados. Sugar Cane. Citrus. Mangoes. Tropical Fruits. Peanuts. Potatoes. Pasture.**

**10.5% Phosphorous** is provided in 50% citric and 50% non-citric form providing a drip feed supply of Phosphorous throughout the growing season. The Phosphorous 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 Phosphorous becomes available at higher concentrations of acidity in the root zone and, this acidity produced in part by root exudates in the maturing plant.

**12.7% 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.



**20.8% Silica** in the form of a mono Silica Acid has two functions, one in the soil and another in the plant;

**In the plant:**

Silica is taken up by the plant and is deposited in the cell walls. This gives the plant a thicker epidermis which provides a physical barrier to both fungal and insect infection. This thickening of the epidermis also increases end product shelf life.

**In the soil:**

Free Silica in the soil will stop Phosphorus being tied up and leached. Silica displaces Phosphorus that is bound to Iron or Aluminium, thus liberating plant available Phosphorus in the soil and allowing the plant more efficiency in taking up soil Phosphorus.

### Releasing tied up Phosphorus



**24.9% 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.

