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fertilisers
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products

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Silica Rich – Diatomaceous Earth


Silica has many potential benefits to plant health, ranging from increased photosynthesis, increased physical strength, increases in plants ability to absorb nutrients, reducing of pest and fungal attacks as well as a greater tolerance to environmental stress such as heat, drought, salinity & soil toxins.

In the soil, silica exists in 3 forms: reactive, colloidal & suspended particles. eg sand. (not plant available) Reactive silica dissolves in water to form silicic acids which are the forms in which Si is taken up by plants. The form in which Si is ultimately deposited is amorphous silica and, once deposited it is immobile and not redistributed. Therefore, each time the plant has new growth, silica must be available for supply to the new plant tissue.

Diatomaceous earth (DE) is a naturally occurring deposit of fossilised diatoms, silica rich ancient marine creatures, that absorb amorphous silica in their outer shell & exoskeletons. DE is an excellent soil additive due to: 1) its ability to absorb water; 2) a rich source of plant available silica. Silica Rich™ DE is a granulated form of diatomaceous earth that has been specially formed into 2 - 5 mm & 0.5 – 2mm granules, making handling and applying much easier and consistent.

Ideal for – increasing plant cell strength, assisting in nutrient absorption, reducing pest and fungal pressure.








 **Sizes: 0.5-2mm (2kg, 25kg & 1000kg), 2-5mm (25kg & 1000kg)**

Benefits

- Granulated for easy, convenient application.
- Low odour - No pong!
- Healthy vigorous growth.
- Substantial root mass increase.
- Rich, green, healthy turf appearance.
- Hard wearing, bounce back turf.
- Will not burn when applied at the recommended rates.
- Helps put carbon back into the soil.

Contact us today for further information.

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Typical Analysis * Standard Blend

Total Amorphous Silica	~95%
Insoluble Silicon	2%
Magnesium	1.4%
Soluble Amorphous Silicon	~26%
Iron	1.3%
Calcium	1.1%
PH	<7
Appearance	Off white

* Typical analysis only of bulk concentrate.
Analysis may vary due to natural inputs and dilution.

Applications

APPLICATION RATES

- Gardens - 1-2 handfuls per square metre.
- General use – up to 100kgs per 100 square metres
- Vegteables, orchards, strawberries, sugar cane – 300-600kg per hectare
- Broadacre, pastures and vines
- Turf – up to 1000kgs per hectare

APPLICATION NOTES




- Annual crops – apply prior to seeding or soon after crop germination.
- Tree crops and vines - apply as 2 equal split applications, prior to the main growth periods



ADDITIONAL POINTS OF NOTE

- To be used as part of a balanced nutrition program.
- All recommendations are provided as general advice only.
- Store in a dry cool place.

All recommendations are provided as general advice only. As no control can be exercised over storage, handling, mixing, application, weather, soil or plant conditions, the buyer assumes responsibility for the use of any Plant of Health products. *Note Analysis may vary slightly due to natural inputs.

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