MaxSil™

SPECIFICATION SHEET

Granular soluble silicon

MaxSil™ provides the following benefits:

- **Reduced lodging**
- **Improved nutrient uptake efficiency**
- **Improved yields**
- **Easily blended with other granular fertilisers**
- **Easily applied with standard farm delivery equipment**
- **MaxSil™ is certified as an Allowed Input for Organic Farming**

Soluble silicon in granulated form to improve nutrient uptake and plant health
72% Si, 12% CaO and 12% $NaHCO_3$

Soluble ("Plant Available") Silicon

Whilst it has been virtually ignored for decades, the vital role that soluble silicon plays in plant physiology is now being recognised. Silicon is currently under consideration for elevation to the status of a "plant beneficial substance" by the Association of American Plant Food Control Officials (AAPFCO).

Silicon has been shown in university and field studies to improve plant cell wall strength and structural integrity, improve drought and frost resistance, decrease lodging potential and boost the plant's natural pest and disease fighting systems. Silicon has also been shown to improve plant

vigour and physiology by improving root mass and density, and increasing above ground plant biomass and crop yields.

Analysis	Wt %
Silica (SiO_2)	72%
Calcium Oxide (CaO)	12%
Sodium as Sodium Carbonate ($NaHCO_3$)	12%

Recommended Application Rates

MaxSil™ is alkaline at a pH of 9. There are no known compatibility issues with common granular, liquid or prilled products used in agriculture. Please refer to the MSDS for complete handling instructions.

MaxSil™ should be applied at the root system when planting or as a top or side dress at emergence. MaxSil™ is designed as a slow release product and only one application during the crop cycle is recommended

CROP	RATE PER HECTARE (Kg)
Avocado	100
Banana	100
Beans	50
Brassicas, Lettuce, Celery	50
Carrots	100
Capsicum, Tomato	100
Citrus	100
Cotton	100
Cucurbits	50
Cut Flower production	100
Onions	100
Pome/Stone Fruit	100
Potato	50
Seedling production	50
Strawberries	100
Sugar Cane	100
Turf	50
Vegetables	50
Viticulture	100

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Intellectual Property advice

MaxSil™ is the subject of Patent Applications in a number of countries around the world. Silicon Fertilisers Pty Ltd has been granted patent for this product in the following countries:

Australia Patent Number 2009301632
New Zealand Patent Number 590017
South Africa Patent Number 2011/02044

Disclaimer

1. MaxSil™ is sold by Silicon Fertilisers Pty Ltd (ABN 29 131 954 571) only in accordance with and subject to its General Terms and Conditions of Sale. See our website for details
2. Silicon Fertilisers Pty Ltd shall not be liable for any injury to persons or damage to property or for any consequential loss or damage whatsoever and subject to the provisions of Part V of the Trade Practices Act their liability in respect of defective or faulty products shall be limited to the supply of equivalent goods or the refund of all payments made (under the relevant contract) by the customer to Silicon Fertilisers Pty Ltd.
3. It is the Customer's obligation to ensure that MaxSil™ is not used for any purpose for which it is not suitable.
4. Silicon Fertilisers Pty Ltd has no control over the use, design, manufacture or testing of any blended products which incorporate MaxSil™ or any reaction with any material that is blended with MaxSil™ nor does the company have control over parameters such as other fertiliser inputs, soil quality or weather conditions that may impact on the effectiveness of MaxSil™. Consequentially, the customer is solely responsible for testing MaxSil™ products to establish that they are fit for the purpose intended