



DiaSil

Contains Freshwater Organic Diatomaceous Earth - 26% Plant Available Silica



100% Organic Cell Strengthener leading to increased resistance to environmental stresses.

A finely powdered organic diatomite that ensures stronger internal and external cell walls, thicker stems and increases plant growth by increasing the amount of chlorophyll in leaf tissue.

Benefits:

- ✓ NASAA Certified Organic Input
- ✓ > 96% silicon - 26% Plant Available Silicon
- ✓ Bigger stalks resulting in more uptake of water + nutrients
- ✓ Produces healthier and stronger plants
- ✓ Silicon alleviates drought & salt stresses
- ✓ Aids plants to become are more tolerant to wind, rain and heat
- ✓ Non-toxic to humans, livestock and poultry



Available in 4 / 12.5 KG bags

NO withholding period

Application Rate

Seedling Application 2-5kg per 100kg of seed; 5g/m² of seedling tray as a drench in nursery application. Every 3-4 weeks

Fertigation 10kg/ha with 2-3 applications or as required through season.
(Refer to silicon soil analysis calcium chloride test.)

Foliar Application 15-50g/L full cover drench low volume sprays.
1-2kg per 100L up to 1000L/ha
Greater volume use at 1kg per 100L as a full cover spray.
Product will dry on leaf surfaces and may leave a white residue that can be washed off during post-harvest

** For drip tape irrigation applications, DO NOT use with droppers smaller than 50 micron **

Application: To be applied to plant surfaces to ensure full coverage of both top and bottom of leaf surface and stems to provide an inoculating dose of silica to the plant. Ensure full and even coverage of the plant surface.

Timing: Silica should be used throughout the entire life cycle of the plant, from the seed and seedling stages up until harvest. In order to produce optimal results, silica needs to be continually made available to the plant. Once a plant has absorbed the available silica into its cellular structure, it can no longer be redistributed to other parts of the plant. Plants grown hydroponically in a soilless medium therefore have no direct source of silica unless it is added as a supplement to the nutrient regimen.

Directions for use: Ensure compliance with your quality assurance code of practice regarding the use of silica products before use. It is recommended that an accurate written record of the details of each spray application is kept.

Use with **EntoFix** for enhanced performance.

General Information: Particle size of DiaSil is <50 micron. Ensure drip irrigation systems have adequate filtration when using this product.

Mixing: Prior to opening, shake or agitate the container vigorously, then add the required quantity of DiaSil to water in the tank while stirring or with agitators in motion. It should be added after the other nutrients have been thoroughly mixed into the water to avoid nutrient lockout that may occur when it comes into direct contact with other elements in the solution. Maintain agitation until spraying is complete.

Cleaning Up: Equipment should be thoroughly cleaned by rinsing with water several times. Sanitise tank after use.

Compatibility: DiaSil has been tested for compatibility with various other conventional products including fungicides, insecticides, herbicides and fertilisers. However, as formulations of other manufacturers' products are beyond the control of Novum Lifesciences, all mixtures should be tested prior to mixing commercial quantities. Changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays and Novum Lifesciences cannot be responsible for the behaviour of such mixtures.

Storage and Handling: Read safety directions and SDS before use. While handling and applying silica products personal protective equipment should be worn. Store the original container in a cool, dry place free from all moisture. Use as soon as possible after opening but if this cannot be achieved then seal immediately and keep dry. Contamination of contents may occur at any time after opening and Novum Lifesciences takes no responsibility for opened product not used immediately.

Shelf Life: There is no shelf life associated with DiaSil, however, to ensure that you keep the high quality of your product, ensure that it is stored correctly.

We recommend seeking advice from a qualified agronomist.

Terms and Conditions of Sale:

Information provided by Novum Lifesciences & its distributors are general in nature and the terms and conditions of sale apply to all information and products it supplies. A link to the terms and conditions of sale can be found on www.novumlifesciences.com.au