

The Little
Nutrient
That is
Making a

BIG
Difference

$\text{Si}(\text{OH})_4$



CropSIL[®]

Patented formulation of bio-available
mono-silicic acid $\text{Si}(\text{OH})_4$

- Increases bio-mass of plant's branch, stem and roots
- Improved ripening, higher brix and nutritional value with a longer shelf-life
- Optimizes input performance such as fertilizers and biostimulants



FiBL

A plant process regulator and nutrient enhancer 3% Plant Derived Silicon

PURPOSE

Silicon is a recognized beneficial substance* that can strengthen the cell walls: improve a plant's heat, drought, salinity stress tolerance: and extend post-harvest shelf life of agricultural produce.

* Association of American Plant Food Controls Officials (AAPFCO) definition BSC-4 Available Silicon (Si).

GENERAL METHOD OF USE:

- 1) Applying foliar: 4 applications per crop/per season.
- (2) Applications pre-bloom
- (2) Application post/fruit development

GENERAL TIMING:

- a) Sow seed, spray with solution, and cover with soil
- b) First spray- before flowering
- c) Second spray - before fruiting
- d) Third spray - 75% of the way through growing season
- e) Fourth spray - before harvest

GENERAL APPLICATION RATES FOR MOST CROPS:

- 2 - 12 oz of CropSIL Per/Acre/App 3-4 times per season
- Most Crops: 2 - 8oz. per/acre/application
 - Cane Fruit: 5 - 10oz. per/acre/application
 - Orchards: 10 - 12oz. per/acre/application

(applications can also be spread over the entire growing season, maintaining recommended rate per acre/ season)

GREENHOUSE RATE: 12oz. to 24oz. per 100 gallons of water

General Rule for mixing: 0.20% v/v of CropSIL solution.
This is comparable to 10.fl oz / 50 gallons of water.

ORCHARDS: 5 Applications

WEEK	STAGE OF PLANT DEVELOPMENT	APPLICATION RATE
1	Appearance of leaves.	Apply a 0.1% v/v CropSIL solution
2	Fruit development and uptake of essential micro elements.	Apply a 0.3% v/v CropSIL solution
3	Fruit development and uptake of essential micro elements.	Apply a 0.3% v/v CropSIL solution
4	Fruit development and uptake of essential micro elements.	Apply a 0.3% v/v CropSIL solution
5	Last stage of fruit development thru maturity	Apply a 0.4% v/v CropSIL solution

Root Feeding in Nurseries and Greenhouses

(Soak seed and roots, and apply foliar and root feed as prescribed during season)

- Fertilize roots in solution of 1 oz. per 5 gal water.
- Foliar over plants with 16-33oz. in 132 gal water, 2 - 3 times during season.

MANUFACTURED FOR AND GUARANTEED BY:



Expertise in Agricultural Biochemistry,
Microbiology, Bioprocess Engineering
and Environmental Applications

Unit 5, 85 Chambers Dr - Ajax, ON - L1Z1E2 - Canada - www.nuviatec.com
Phone: +1 (416)-900-3768 - Email: info@nuviatec.com



Mode of Action:

Silicon influences water relations in drought-treated plants, it induces the formation of a silica cuticle double layer under the leaf epidermis which reduces water losses through transpiration. Silicon in the plant contributes to plant mechanical strength, a structural role, that may protect plants from insect attack, disease, and environmental stress by improving the plant's defense response. Si can increase the antioxidant activities of plants, thereby improving a plants stress tolerance.

GUARANTEED ANALYSIS

Soluble silicon (Si).....1.14%
Inert ingredients:.....98.86%

CONTAINS NON PLANT FOOD INGREDIENTS

1.14%% soluble silicon (SiO₄) derived from Monosilicic Acid

Information regarding the contents and levels of metals in this product is available on the internet @ <http://www.aapffco.org/metals.htm>

CAUTION

Wear Protective Clothing, Gloves made from PVC, Neoprene, or Rubber.
Wear Eye Protection: Safety goggles
Wear Body Protection: Change clothes immediately if product is spilled on clothing.

FIRST AID

SKIN CONTACT: Rinse thoroughly with water.
If irritation persist seek medical attention.
EYE CONTACT: Rinse thoroughly with water.
If irritation persist seek medical attention.
SWALLOWING: Rinse mouth thoroughly with water, salt water if possible. Induce vomiting and seek medical attention.

STORAGE:

Keep from freezing. Store in a cool and air tight place.
Best if used with 24 months of manufacturing date.

Disclaimer: Since the use of this product is beyond NuVia's control we will not accept any liability for the misuse or claims otherwise except for quality of the product.



Product Available In:

8.45oz, 33.8oz, 1.32gal., 2.64gal., 270gal, tote

