The Little Nutrient That is Making a BIG Difference

$Si(OH)_4$

CropSIL®

Patented formulation of bio-available mono-silicic acid $Si(OH)_4$

- **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**

OMRI LISTED For Organic Use

Approved by ECOCERT INPUTS

FiBL

CropSIL®

SPECIMEN LABEL

A plant process regulator and nutrient enhancer

3% PlantDerived 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.

** Associaton of American Plant Food Controls Officials (AAPFCO) definiion 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) forth 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 through maturity	Apply a 0.4% v/v CropSIL solution

Root Feeding in Nurseries and Greenhouse
(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.

Hydroponics Ready | Open Field Ready | Green House Ready

Food Crops | Orchards & Vineyards | Hydroponics & Greenhouses | Seed, Seedling Planting Beds

Turfs & Ornamentals | Hemp & Marijuana | Non Food Plants, Gardens & Potted Plants

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

Silica: (Monosilicic Acids) 3%
Inert ingredients:.....97%

CONTAINS NON PLANT FOOD INGREDIENTS

3% Soluble Silicon (SiO_2)derived from Monomeric Silica

Informaton regarding the contents and levels of metals in this product is available on the internet @ http://www,aapffco.orf/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 CONTATCT: Rinse thoroughly with water. If irritation persist seek medical attention.
SWOLLOWING: 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 our control we will not accept any liability for the misuse or claims otherwise except for quality of the product.

OMRI LISTED For Organic Use

Approved by ECOCERT INPUTS

Product Available in:

250 ML (8.45 fl.oz) 1 Liter (33.8 fl.oz)
1 US Gal. (3.8 L) (128 fl.oz) 1 US 2.5 Gal. (3.8 L) (128 fl.oz)
1 US 150 Gal. Tote 1 US 265 Gal. Tote

MANUFACTURED FOR AND GUARANTEED BY:

NUVIA Technologies Inc.
Expertise in Agricultural Biochemistry, Microbiology, Bioprocess Engineering and Environmental Applications
85 Chambers Dr - Alax, ON - L1T 1E2 - Canada - nuviatec.com

6 27843 77507 2