



# NUTRAFEED SILICA - Liquid Fertiliser

a division of Amgrow

## NUTRAFEED LIQUID SILICA NPKS 0-0-8-0

Additional Macro and Micro Nutrients (%w/v)

Ca %	Mg %	Si %	Zn %	Fe %	Mn %	Cu %	Mo %
-	-	20	-	-	-	-	-



## NUTRAFEED LIQUID SILICA

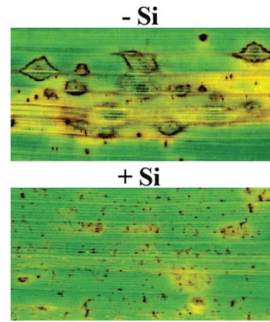
Silica is a high analysis liquid silica/potassium fertiliser suitable for application to a wide range of horticultural and broad acre crops. Soil applied soluble silica is readily converted to silicic acid in the presence of soil moisture and absorbed via the root system to be utilised within plants.

### SILICA BENEFIT

- Lifts crop silicon and potassium levels to fix deficiency symptoms and improve the quality of the yield
- After uptake, silica gel is deposited between the cuticle and cell wall and also between the cell membrane and cell wall (double silica gel layers)
- Silica gel layers act as a physical barrier to reduce evaporation and increase cell strength
- Ideal for use on crops to prevent or reduce water stress (drought) symptoms
- Silica mimicks bioactive molecules in plants that activate pathogen defence responses, making plants more resistant to disease
- Reduces insect damage to crops due to higher plant strength

### PACK SIZES

Available in 20, 200 and 1000 L packs.



Silica inhibits disease in rice leaf



Water stressed blueberry



Silica enhanced poinsettia shelf life

### PRODUCT CHARACTERISTICS

Colour	pH	SG
Clear	11.7	1.25





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## APPLICATION

Silica can be used as a supplement in a regular nutrition program for applicable crops. Multiple applications may be needed throughout the season. The application rate may need to be varied with changes in plant size, canopy or crop load.

## DIRECTIONS FOR USE

Crop	Fertigation / Soil (L/ha) Dilution	Foliar L/100L Water	Comments
Berry fruits	(5-7)	0.3	Apply via irrigation or foliar during crop growth as required to enhance crop tolerance to water stress, disease and insect resistance and to physically harden produce and increase shelf life
Broadacre (cotton beans, chickpea)	(3-5)	0.3	Apply via irrigation or foliar during crop growth as required to enhance crop tolerance to water stress, disease and insect resistance and to physically harden produce and increase shelf life
Citrus	(8-10)	0.25	Apply via irrigation or foliar during crop growth as required to enhance crop tolerance to water stress, disease and insect resistance and to physically harden produce and increase shelf life
Cucurbits	(5-7)	0.3	Apply via irrigation or foliar during crop growth as required to enhance crop tolerance to water stress, disease and insect resistance and to physically harden produce and increase shelf life
Hydroponics	1:400	0.3	Inject from a separate tank with no other fertiliser at a dilution of 1:400 (50 ppm silica) to enhance crop tolerance to water stress, disease and insect resistance
Nursery/Ornamental	1:400	0.3	Apply as a media/soil drench at 1:400 dilution to enhance crop tolerance to water stress, disease and insect resistance
Pomefruit / Stonefruit	(8-10)	0.25	Apply via irrigation or foliar during crop growth as required to enhance crop tolerance to water stress, disease and insect resistance and to physically harden produce and increase shelf life
Potato	(5-7)	0.3	Apply via irrigation or foliar during crop growth as required to enhance crop tolerance to water stress, disease and insect resistance and to physically harden produce and increase shelf life
Tomato / Capsicum	(5-7)	0.3	Apply via irrigation or foliar during crop growth as required to enhance crop tolerance to water stress, disease and insect resistance and to physically harden produce and increase shelf life
Tree Nut Orchards	(8-10)	0.3	Apply via irrigation or foliar during crop growth as required to enhance crop tolerance to water stress, disease and insect resistance and to physically harden produce and increase shelf life
Tropical Fruit (avocado, mango, banana, pines etc)	(8-10)	0.25	Apply via irrigation or foliar during crop growth as required to enhance crop tolerance to water stress, disease and insect resistance and to physically harden produce and increase shelf life
Vegetables / Brassica	(5-7)	0.3	Apply via irrigation or foliar during crop growth as required to enhance crop tolerance to water stress, disease and insect resistance and to physically harden produce and increase shelf life
Vines/Grapes	(5-7)	0.3	Apply via irrigation or foliar during crop growth as required to enhance crop tolerance to water stress, disease and insect resistance and to physically harden produce and increase shelf life

## NOTE:

The suggested rates of application are designed for typical use conditions and should be used as a guide only. Do not foliar apply during the heat of the day (> 25 DegC) when evaporation rates are at their highest. It is recommended that when foliar applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed for phytotoxicity prior to the total spray. Foliar spraying is recommended during early morning or late afternoon. Use the minimum foliar application rate on young or sensitive crops. Applying additional products in the same tank mix increases the phytotoxic risk to crops. Because climatic and soil conditions, application methods, irrigation and agricultural practices are beyond the control of Barmac and cannot be foreseen, Barmac accepts no responsibility whatsoever for any commercial damage, loss or other result following the use of this product whether used in accordance with directions or not, subject to any overriding statutory provision and provided that such liability under those provisions shall be limited to the replacement of the goods as supplied or the rendering again of the services that are provided. The buyer accepts and uses this product subject to these conditions.