



DESCRIPTION

MULTI SiK is a liquid fertilizer composed of fully solubilized Potassium Silicate. Provides soluble silicon that reinforces the plants' cell walls associating itself with pectins and polyphenols; induces resistance and natural tolerance against pests and diseases; it also protects plants from stress caused by biotic and abiotic factors. Potassium takes part mobilizing metabolites within the plant, improving cellular structure, taking an active part in the plant's water levels managing, keeping turgidity of tissues, and reducing negative effects of thermal and water stress.

USE

MULTI SiK is an excellent source of potassium and silicon that can be used in drench or foliar application for any agricultural crop, such as: Strawberries (*Fragaria sp*), Pineapple (*Ananas comosus*), Banana and Plantain (*Musa spp.*), Coffee (*Coffea arabica*), Sugarcane (*Saccharum officinarum*), Citrus (*Citrus spp.*), Avocado (*Persea americana*), Mango (*Mangifera indica*), African Palm (*Elaeis guineensis*), Pejibaye or Palmito (*Bactris gasipaes*), Corn (*Zea mays*), Beans (*Phaseolus vulgaris*), Rice (*Oryza sativa*), Papaya (*Carica papaya*), Melon (*Cucumis melo*), Watermelon (*Citrullus spp.*), Ornamental Plants, Flowers, Forest Trees, Pastures, Vegetables such as Tomato (*Solanum lycopersicum*), Chile (*Capsicum annum*), Onion (*Allium cepa*), Lettuce (*Lactuca sativa*), Celery (*Apium graveolens*), Brasicaceae, Roots and Tubers such as White Tiquisque (*Xanthosoma sagittifolium*), Lilac Tiquisque (*Xanthosoma violaceum*), Ñampí (*Colocasia esculenta var antiquorum*), White Yam (*Dioscorea alata*), Yampi (*Dioscorea trifida*), Malanga Coco (*Colocasia esculenta var esculenta*), Island Malanga (*Colocasia sp*), Ginger (*Zingi ber officinale*), Turmeric (*Curcuma longa*), Cassava (*Manihot esculenta*), Cotton (*Gossypium spp*), Chayote (*Secchium edule*).

Line Agricultural Line

PROPERTIES

SPECIAL PROPERTIES

Physical State	Liquid
Form:	Soluble Concentrated

PHYSICAL PROPERTIES

DATA

Silicon Dioxide (SiO ₂) % m/v	19,00
Potassium Oxide K ₂ O % m/v	10,50
Density (kg/l)	1,22

These technical data were calculated under controlled laboratory conditions, but SUR QUIMICA has no control over conditions, tools, applicator skills, selection, preparation, or compatibility of products used; therefore, can only guarantee this product quality, its features and qualities' suitability, but is not responsible for the results obtained in conditions impossible to check once the job has been done. SUR QUIMICA has made reasonable efforts to ensure the accuracy of the information provided here, but assumes no responsibility for any error, omission, or inaccuracy in it. If there is any inconsistency between different language issues of this document, Spanish version will prevail.

TECHNICAL INFORMATION

MULTI SIK

556-53420-000



pH	11-13
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CONTAINERS and COLORS

AVAILABLE CONTAINERS

1 liter bottle (1.06 qt.)

4 liter can (1.06 gallon)

20-liter plastic can (5.28 gallon)

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 556-53420-000, MULTI SIK		Read label before use

PRODUCT APPLICATION

APPLICATION TOOL

Backpack Sprayer Power sprayer Spray boom

Dossage per Crop (liter/ha)

Strawberries (<i>Fragaria</i> spp.)	Drench 5 – 10 L/ha Foliar 0.5 – 1 L/ha
Pineapple (<i>Ananas</i> spp.)	Drench 5 – 10 L/ha Foliar 2 – 5 L/ha
Banana (<i>Musa</i> spp.)	Drench 5 – 10 L/ha Foliar 1 – 3 L/ha
Coffee (<i>Cofea</i> spp.)	Drench 5 – 10 L/ha Foliar 1 – 3 L/ha
Sugarcane (<i>Saccharum</i> spp.)	Drench 5 – 10 L/ha Foliar 2 – 5 L/ha
Avocado (<i>Persea</i> spp.)	Drench 5 – 10 L/ha Foliar 1 – 3 L/ha

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Mango (Mangifera spp.)	Drench 5 – 10 L/ha Foliar 1 – 3 L/ha
Oil Palm (Elaeis spp.)	Drench 5 – 10 L/ha Foliar 2 – 5 L/ha
Corn (Zea spp.)	Drench 5 – 10 L/ha Foliar 1 – 3 L/ha
Rice (Oryza spp)	Drench 5 – 10 L/ha Foliar 2 – 5 L/ha
Cucurbits	Drench 2 – 5 L/ha Foliar 0.5 – 1 L/ha
Tomato – Chile (Solanum spp. – Capsicum spp.)	Drench 5 – 10 L/ha Foliar 0.5 – 1 L/ha
Vegetables	Drench 2 – 5 L/ha Foliar 0.5 – 1 L/ha
Roots and Tubers	Drench 5 – 10 L/ha Foliar 0.5 – 1 L/ha
Beans (Phaseolus spp.)	Drench 5 – 10 L/ha Foliar 0.5 – 1 L/ha
Citrus (Citrus spp.)	Drench 5 – 10 L/ha Foliar 1 – 3 L/ha
Grasses	Drench 5 – 10 L/ha Foliar 2 – 5 L/ha
Ornamental Short Flowers	Drench 2 – 5 L/ha Foliar 0.5 – 1 L/ha
Seedlings	Drench 0.5 – 1 L/ha

Application conditions

MULTI SiK should be applied alone. Due to alkaline nature of this product, it should not mix with other agrochemicals. If you need to mix it with other products, first carry out the necessary stability and chemical compatibility tests, keeping the same proportion of doses with water as it will be applied.

Dose calibration is recommended prior to application.

Use the most suitable nozzles for the work to be done.

In drench applications, apply at least one week before transplanting or at least two weeks after transplanting, when the plant is adequately established.

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In foliar applications, avoid overapplication and dripping.

For foliar applications in perennial or semi-perennial crops, apply once there is sufficient leaf area. On trees and shrubs, apply one month after transplanting, one month before flowering and repeat one month after flowering.

In vegetables it can be applied during early development and during filling or at the end of the cycle.

Application Instructions

Make sure the preparation tank and application equipment are clean and free of traces of other agrochemicals.

Fill the tank up to 3/4 parts with clean water that does not exceed 140 ppm in hardness.

Add the selected dose of MULTI SiK while stirring and finish filling the tank to the desired volume.

After preparing the mixture, use a hand or power backpack pump, or use a Spray Boom.

Spray directly into the soil (drench) in the furrow or in the fertilizer band.

In foliar application, direct the product to the foliage, covering both sides of the leaves evenly.

NOTICE

- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>
- ✓ Container must be kept out of reach of children, tightly closed in a ventilated place, away from sunlight or intense heat, between 20 and 30°C.
- ✓ Because of its alkaline pH, a compatibility test should be done before mixing it with other product and wash thoroughly the equipment with water after application.
- ✓ Check the condition of the application equipment (backpack sprayer, spray boom): before using it, looks for leaks or parts in bad condition. Calibrate equipment before use.

HEALTH

- ✓ Registered in Costa Rica: MAG N° 8199
- ✓ Registered in Nicaragua: MAGFOR U-NI-FER-853-2017
- ✓ Registered in Ecuador: 602-F-AGR-P
- ✓ If you need to dispose of empty containers of our products in Costa Rica, contact your SUR store or our industrial compound in La Uruca, San Jose
- ✓ The user of this product may need the appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>

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