

Quick-Sol Global, LLC

**BROCHURE**



**QUICK-SOL<sup>®</sup>**

**Working for the World of Tomorrow**





**Quick-Sol<sup>®</sup>** is a unique product that helps to:

- ✓ Improve soil fertility levels and fight soil degradation.
- ✓ Promote plant health.
- ✓ Aid in Irrigation and Water Management practices.
- ✓ Provide protection against salinity, drought and extreme temperature stress
- ✓ Ensure superior productivity and quality that will bring in higher prices for your agricultural products.

**Characteristics of Quick-Sol<sup>®</sup>:**

- ✓ Bio-degradable
- ✓ Superior Surfactant
- ✓ Microbial Stimulant
- ✓ Non-Toxic
- ✓ Water Soluble
- ✓ Vegetal Nutrient

**Effect of Quick-Sol<sup>®</sup> on Soil Fertility**

Quick-Sol<sup>®</sup> is a source of monosilicic, polysilicic, humic and fulvic acids, which aids in the control of numerous soil conditions such as pH, nutrient mobility, heavy metal and Aluminum toxicity, soil absorption capabilities, and ion exchange capacity. It stimulates soil microbial health and activity.

The application of Quick-Sol<sup>®</sup> will help to restore the agricultural ecosystem, improve poor soil conditions and reverse soil degradation.

**Helps to promote the Plant Health**

The Quick-Sol<sup>®</sup> effect on plant resistance is accredited to the accumulation of absorbed silicon in the epidermal plant tissue. These accumulations are essential, helping to promote and strengthen the plant health.

**Irrigation and Water Management**

As we well know the water reserves in the world are diminishing fast. The main consumer of fresh potable water is agriculture. With this marvelous product, we can save up to 30% of the water used for agriculture without affecting the quality and productivity of the industry. This is accomplished by increasing the soil water retention capacity, optimization of soil structure and increasing plant drought resistance.





## Reduce plant stress

Soil salinity, drought and extreme temperatures exist in many areas around the world. Quick-Sol® helps to reduce stress caused by these problems by improving plant photosynthesis, enzyme and microbial activity, creating more efficient root systems, and cell wall strength.

## Superior Productivity and Quality

Quick-Sol® is the tool that will allow you to produce higher quality agricultural products that bring a higher price on the market. It will help to increase your productivity by its use. It has been proven that Quick-Sol® will increase your harvest up to 30%.

Quick-Sol® also benefits the Ornamental and Tree producers by providing a superior final product that reaches the market in a shorter period of time.

## Revitalizing Depleted Soils

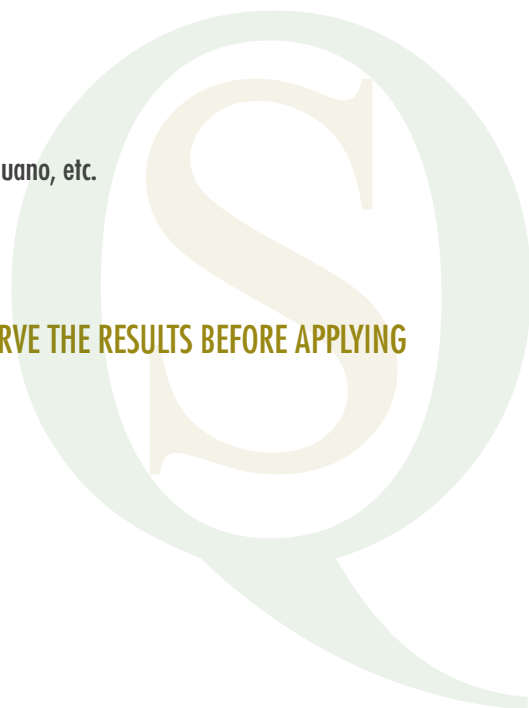
Quick-Sol® is an excellent choice for soil revitalization programs. Dead or depleted soils lack the ability to support the micro-organisms necessary for the plant to make use of the nutrients either left in the soil or introduced into the soil, such as fertilizer, minerals, organic material, etc.

With Quick-Sol®, your fertilizer will work more effectively and efficiently due to the increase in ion exchange capacity generated by the application of Quick-Sol®.

## When working with natural Compounds

Enhance the results when used with natural compounds such as manure, bone meal, fish meal, guano, etc.

**WITHOUT EXCEPTION, TEST Quick-Sol® ON PATCHES OF SMALL AREAS AND OBSERVE THE RESULTS BEFORE APPLYING THIS PRODUCT ON THE WHOLE AREA TO BE TREATED.**





## CHEMICAL PROFILE

**Quick-Sol<sup>®</sup>** is a water soluble Silicon Product. This unique product was chemically engineered to provide the agricultural industry with a product that would supply the elements necessary to keep soil, plants and trees at a level of health never before thought possible.

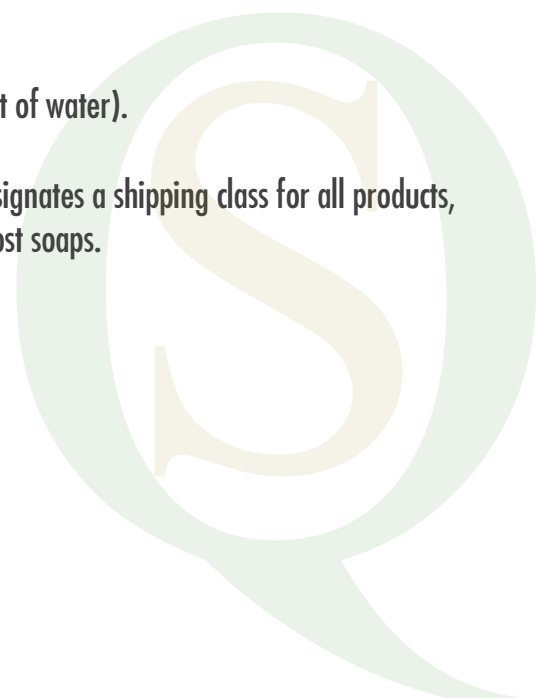
**Quick-Sol<sup>®</sup>**'s Chemical Composition makes it belong to the ionized sodium silicate family. **Quick-Sol<sup>®</sup>** contains Calcium, Iron, Humic acid, Fulvic acid, Silicon, Sodium, Copper, Magnesium, Manganese and Zinc.

**Quick-Sol<sup>®</sup>**'s unique properties give it a pH reading of 14, yet it is very stable and almost benign in nature. If it gets in contact with your skin or gets in your eyes, rinse the affected area with plenty of water, afterwards you should not experience any adverse effect (Consult MSDS).

Even though the pH is higher than caustic soda, (pH 13) it behaves more like a product with a pH of 8.

**Quick-Sol<sup>®</sup>** is a very dense product with a specific gravity of 1.3 (130% the weight of water).

**Quick-Sol<sup>®</sup>** is not a hazardous product. The U.S. Department of Transportation designates a shipping class for all products, **Quick-Sol<sup>®</sup>** has been designated as a class 55. This is the same classification as most soaps.





**QUICK-SOL<sup>®</sup>**  
**Results**







## Quick-Sol® Results on Grass and Ornamentals



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Promote's Health and Excellent Appearance



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Both plants were given the same standard treatment, except the plant on the right was also treated with Quick-Sol®. We can appreciate a shocking difference. Similar results have been obtained with other ornamentals, plants and trees.

**Quick-Sol® IS A GREAT MAINTENANCE AID AND ALSO RETARDS WILTING IN PLANTS AND FLOWERS**





## Quick-Sol® Results on Crops

### GREAT DEVELOPMENT



### Better Yield

It is important to note that when using Quick-Sol® and any other nutrients, the percentage of the added nutrients might be reduced up to 30%.



Similar results have been obtained in other agricultural products such as sugar cane, potatoes, bananas, berries, tomatoes, cotton, cantaloupes, basil, onions, beans, pastures, lettuces, etc.



## Quick-Sol® Results on Rice



The picture above shows results of fields planted at the same time next to each other.



The picture compares the performance of 1 linear meter of harvested grain, the package on the left side shows the quantity that has been harvested from the control field which has received standard treatment, the package on the right side shows the quantity that has been harvested from the field which has received standard treatment plus **Quick-Sol®**.

**Quick-Sol®** generates an increase in the production as showed in the picture, **Quick-Sol®** also generates a stronger plant with better endurance to the climatic stress.





## Quick-Sol® Results Fighting Frost Damage



Improved protection against abiotic stress



See how Quick-Sol® application helped to protect the treated vineyard against extreme low temperatures (as seen in the right hand pictures). Therefore, saving the year's production



## SUGGESTED RATES OF USE FOR AGRICULTURAL USE

### DOSAGE:

#### When Fungi and Pests are not present

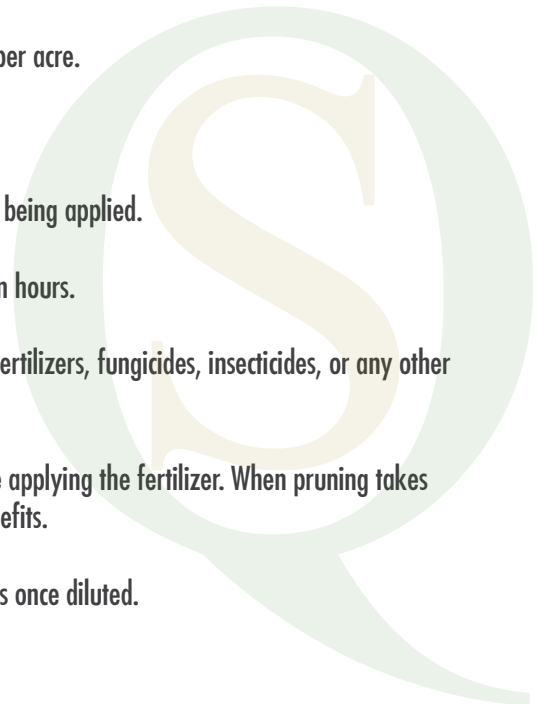
- ✓ Quick-Sol<sup>®</sup> must be added to your regular levels of water (fresh, drinkable water) at the following rate:
  - ✓ 14 to 20 fluid ounces of Quick-Sol<sup>®</sup> per acre, per production cycle.

#### When Fungi, pests or diseases are present

- ✓ Quick-Sol<sup>®</sup> must be added to your regular levels of water (fresh, drinkable water) at the following rate:
  - ✓ 20 to 30 fluid ounces of Quick-Sol<sup>®</sup> per acre, per production cycle.

### APPLICATION PROCEDURE:

- ✓ Rinse the equipment to be used before and after application.
- ✓ Quick-Sol<sup>®</sup> should be diluted in the typical amount of water used per acre.
- ✓ Agitate well before using.
- ✓ Quick-Sol<sup>®</sup> should be diluted in clean water at least 1 hour before being applied.
- ✓ For better results, apply during the early morning or late afternoon hours.
- ✓ Quick-Sol<sup>®</sup> should **NOT** be applied simultaneously, or mixed with fertilizers, fungicides, insecticides, or any other type of agricultural product.
- ✓ When applying fertilizers, apply Quick-Sol<sup>®</sup> 48 to 72 hours before applying the fertilizer. When pruning takes place an application of Quick-Sol<sup>®</sup> should follow for increased benefits.
- ✓ The solution of Quick-Sol<sup>®</sup> in water should be used within 72 hours once diluted.
- ✓ Do not return diluted material to the main Quick-Sol<sup>®</sup> container.





For specific crop application rates, please contact your local Quick-Sol® distributor, since other rates can be used to customize your individual needs.

## EXTRA APPLICATIONS

- ✓ Extra applications will not damage your crops, ornamentals, trees, plants, etc.
- ✓ Anytime there are fungi, pests, diseases or climate stresses, we suggest an extra application. (consult your local distributor)
- ✓ Quick-Sol® can be used every 5 to 10 days.

**ALWAYS TRY Quick-Sol® FIRST IN A SMALL AREA.**

**READ THE LABEL INSTRUCTIONS IN THE Quick-Sol® CONTAINER BEFORE USE.**

**Foliar and soil application is strongly recommended or, in lack of this, foliar application should be abundant enough that the product reaches the soils.**

**Due to the different forms and methods of crop irrigation and product applications used in each country, A GOOD GENERAL RULE TO FOLLOW IS THAT 14 TO 20 FLUID OUNCES OF Quick-Sol® PER ACRE SHOULD BE APPLIED PER PRODUCTION CYCLE.**





## SUGGESTED RATES OF USE FOR HOUSEHOLD USE

### DOSAGE:

#### Under normal circumstances

(no fungi, no pests, no diseases or climate stress)

- ✓ 2 Teaspoon per gallon (3.8 Liters) of water.
- ✓ Apply every 2 or 3 weeks.

#### When fungi, pests and diseases are present

- ✓ Apply 3 teaspoon of Quick-Sol<sup>®</sup> per gallon (3.8 Liters) of water.
- ✓ Apply every 10 to 15 days.

THIS DILUTION CAN BE APPLIED TO GRASS, PLANTS (ORNAMENTALS, VEGETABLES AND FRUITS) AND TREES.

### APPLICATION PROCEDURE:

- ✓ Rinse the equipment to be used before and after application.
- ✓ Quick-Sol<sup>®</sup> should be diluted in the typical amount of water used per acre.
- ✓ Agitate well before using.
- ✓ Quick-Sol<sup>®</sup> should be diluted in clean water at least 1 hour before being applied.
- ✓ For better results, apply during the early morning or late afternoon hours.
- ✓ Quick-Sol<sup>®</sup> should **NOT** be applied simultaneously, or mixed with fertilizers, fungicides, insecticides, or any other type of agricultural product.
- ✓ When applying fertilizers, apply Quick-Sol<sup>®</sup> 48 to 72 hours before applying the fertilizer. When pruning takes place an application of Quick-Sol<sup>®</sup> should follow for increased benefits.
- ✓ The solution of Quick-Sol<sup>®</sup> in water should be used within 72 hours once diluted.
- ✓ Do not return diluted material to the main Quick-Sol<sup>®</sup> container.



## Extra applications

- ✓ Extra applications are not harmful.
- ✓ Quick-Sol<sup>®</sup> can be used every 5 days.

**ALWAYS TRY Quick-Sol<sup>®</sup> FIRST IN A SMALL AREA.**

**READ THE LABEL INSTRUCTIONS IN THE Quick-Sol<sup>®</sup> CONTAINER BEFORE USE.**

**Foliar and soil application is strongly recommended or, in lack of this, foliar application should be abundant enough that the product reaches the soils.**

**This product can be used indoors and outdoors**

**APPLY Quick-Sol<sup>®</sup> ONLY ON SOIL AND PLANTS; IT MIGHT CAUSE DAMAGE ON GLASS, PAINTED SURFACES, ETC.**

**DO NOT USE IN POTS INSULATED WITH TAR.**

# MATERIAL SAFETY DATA SHEET

Complies with 29 CFR 1910.12000

OMB No. 1218-0072

OSHA 174

## Section 1 - Product Identification

**Manufacturer**  
Mailing Address  
Quick-Sol Global, LLC  
808 Hwy 473  
Comfort, Texas 78013

**Trade Name:**  
Quick-Sol  
Ionized Sodium silicate Type  
D.O.T Class 55  
ITC HS Code 283990

## Section 2 - Hazardous Ingredients

Material does not exhibit any hazardous properties. Material is a stable silicon polymer, bio-degradable in water.  
Non-toxic base with no known carcinogenic properties. Non-Flammable, Ph is 13.8 to 14.0 and stable to +450 Deg. F. & -115 Deg. F.

## Section 3 - Physical Data

Specific Gravity: 1.32, Solubility in water: Complete, Melting Point: NA, Appearance: Opaque reddish brown tint, Odor: Odorless liquid Boiling Point: 212 Deg F. Vapor Pressure (mm hg): ND., Vapor Density: (air=1): ND.,

## Section 4 - Fire & Explosion Hazard Data

Material is Non-Flammable - can be used directly as Fire Retardant/Suppressant. Unusual Fire & Explosion Hazard: None

## Section 5 - Health Hazard Data

Material is described as type "D": non-toxic base. Topical exposure indicates no risk to the skin or clothing. Ingestion: Base material may react with stomach acids causing discomfort. If swallowed, dilute with quantities of water, call physician for additional medical advice.  
Eye Contact: Flush eye with running water for 15 minutes. If irritation occurs, obtain medical advice.

## Section 6 - Spill or Leak Procedure

Routine spill and containment procedures are adequate. Material will disperse with water. Spill and leak occurrence is only a concern due to creating slippery surfaces. Material may be treated as any other surfactant or soap spill.

## Section 7 - Special Protection Information

Material requires no special care in handling. Contact with glass and some painted surfaces may cause etching. Use of rubber gloves and standard eye protection is recommended. No respiratory equipment is necessary, as no fumes or gases are present.

## Section 8 - Regulatory Information

D.O.T. proper labeling and shipping name: Sodium silicate type. This material has not been listed as a cancer suspect agent.

## IMPORTANT NOTICE

All information contained within this Material Safety Data Sheet is based on data and sources believed to be reliable. However, it is presented without any guarantees or obligations for the accuracy data or results to be obtained on the use thereof and no warranty is expressed or implied. Information herein is for the product stated and may not be valid when the product is combined with any other materials.



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