

# **SIL-GUARD 0-2-5**

**7% SOLUBLE POTASSIUM SILICATE With PHOSPHITE And 2% HUMIC ACID**

**GROWTH<sup>®</sup>**  
**PRODUCTS**  
*THE LIQUID SOLUTIONS COMPANY*

**PROFESSIONAL  
LIQUID FERTILIZERS**

**Strengthens Turf Blades  
Faster Ball Roll / Reduce  
Ball Marks**

**AGS**  
ADVANCE GRASS SOLUTIONS

Net Wt. 10.8 kg

Shake Well Before Using

10 Liters

## SIL-GUARD (0-2-5)



**OPEN**

Resealable Label  
for Directions &  
Precautions

### GUARANTEED ANALYSIS:

Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	2%
Soluble Potash (K <sub>2</sub> O)	5%

### DERIVED FROM:

Potassium Silicate, Potassium Carbonate, Potassium Phosphite, Potassium Humate, Phosphoric Acid

### ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

2% ..... Humic Acid (derived from Leonardite)

Purpose: For Soil Conditioning

### CONTAINS BENEFICIAL SUBSTANCES:

7% ..... Silica (SiO<sub>2</sub>)

### TECHNICAL SPECS

Weight per Liter	1.08 Kg
pH @ 20 deg. C	12

### PRODUCT DESCRIPTION:

**Sil-Guard** is a proprietary formula with potassium silicate, potassium phosphite, and humic acid as the active ingredients. It is designed for foliar application on all varieties of turf grasses on greens, tees and roughs, sports turf, lawns and ornamental grasses; Sil-Guard can be used in a regular maintenance program. It is best to apply Sil-Guard prior to heavy traffic or prior to times of heat stress.

Silica, potassium phosphite and humic acid, the active ingredients in Sil-Guard, are a powerful combination. Silica hardens the leaf and helps strengthen the xylem vessels during times of high transpiration, reducing water loss. Potassium Phosphite promotes turf health and increases resistance to disease and pests, building carbohydrate reserves. The humic acid increases nutrient uptake through the leaf and root tissue. Designed for foliar application on all varieties of turf grasses, use as a part of regular turf maintenance.

FIRST AID	
<b>IF SWALLOWED:</b>	Call a poison center or doctor if you feel unwell. Rinse mouth.
<b>IF IN EYES:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
<b>IF ON SKIN:</b>	Remove contaminated clothing and wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention.
<b>IF INHALED:</b>	Call a poison center or doctor if you feel unwell.
You may also contact 1-800-992-5994 day or night for emergency treatment information. If medical advice is needed, have product container or label at hand (P101). Keep out of reach of children (P102). Read label before use (P103).	
<b>STORAGE:</b> Keep container tightly closed. May be stored in unheated area, but keep from freezing. Store in areas inaccessible to children and pets.	
<b>DISPOSAL:</b> Dispose of contents/container in accordance with local/regional/national/international regulations. Do not reuse container.	

The following precautionary statements and pictograms are based on The Globally Harmonized System of Classifications and Labeling of Chemicals (GHS) and are mandated by the Occupational Safety and Health Administration (OSHA)

### WARNING



H302 Harmful if Swallowed  
H315 Causes Skin Irritation  
H319 Causes Serious Eye Irritation  
H335 May Cause Respiratory Irritation

### Another quality product from:

#### Growth Products, Ltd.

80 Lafayette Ave., White Plains, NY 10603 USA   
Questions? Call (800) 648-7626

[www.growthproducts.com](http://www.growthproducts.com) • [questions@growthproducts.com](mailto:questions@growthproducts.com)

**Condition of Sale and Warranty:** Growth Products, Ltd warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Handling, storage and use of the product by Buyer or User are beyond the control of Growth Products and Seller. Risks such as crop injury or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by Buyer or User. IN NO CASE WILL GROWTH PRODUCTS, LTD OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT

### Foliar Turf Applications

Application	Rate Per 100 m <sup>2</sup>	Frequency
Tees & Greens	9.5 - 127 ml (9.5 – 12.7l/ha)	Apply every 2-3 weeks
Sports Turf	9.5 - 127 ml (9.5 – 12.7l/ha)	Apply every 2-3 weeks
Tournament & Event Preparation	9.5 - 127 ml (9.5 – 12.7l/ha)	Apply 3-4 days prior to tournament
Roughs & Fairways	9.5 - 127 ml (9.5 – 12.7l/ha)	Apply every 2-3 weeks
Lawns & Ornamental Grasses	9.5 - 127 ml (9.5 – 12.7l/ha)	Apply every 2-3 weeks
Spray at rate of 1:30		

### Nursery Applications

Application	Rate	Notes
Containerized and Field Grown Crops, (including but not limited to): Deciduous and Evergreen Trees, Foliage, Ornamental Grasses, Perennials, Tropicals, Woody Ornamentals	Foliar Spray: 2 - 4 L per 400 L water Apply 200 to 950 gal finished mix per acre	Repeat the application every 30 days or as needed. Apply after transplanting
	Continuous Feed: 177ml per 400 L water	
	Soil Application: 2-4 L per 400 L water	

### Greenhouse Foliar Spray Recommendation

Application	Rate	Notes
For All Types of Greenhouse Crops	Transplanting: Mix 88 ml in 10 L water	Soak plug tray or foliar spray after transplanting
	Propagation: 30 ml in 10 L water	Apply at 2nd leaf stage, and then every 10-14 day intervals
	Maintenance: 9-30 ml in 10 L water	Apply at 10-14 day intervals to supplement nutrient requirements

***MIXING:***

Dilute at the rate of 1:30 in water if possible. Put half the water in the tank and add Sil-Guard. Sil-Guard is alkaline with a pH of 12 and should NOT be mixed with acidic or acid-producing chemicals. The following mixing procedure should be followed after Sil-Guard has been diluted with appropriate amounts of water.

Add products to mix in this order: 1. wettable powders, 2. flowables, 3. water solubles, 4. surfactants, 5. emulsifiable concentrates. Be sure to agitate during each addition. Be sure each product is mixed well before adding the next. Apply all of mixture in same day.

**Always use a jar test before mixing Sil-Guard with pesticides and fertilizers in your tank.**

***APPLICATION RECOMMENDATIONS:***

One gallon of Sil-Guard will treat approximately one acre of greens or sports fields. Apply throughout the growing season. Minimum dilution is 1:30 parts water. Application with low volume sprayers is not recommended. Sil-Guard does not have to be watered in. However, you can water it in lightly without affecting the results. For optimum results, Sil-Guard can be tank mixed with Essential® Plus 1-0-1.