



New!

SIL-GUARD (0-2-5)

With 7% POTASSIUM SILICATE & 2% PHOSPHITE

- Improves Plant's Turgidity
- Improves Crop Quality and Vigor
- Increases plant's Resistance to Disease

GUARANTEED ANALYSIS:

Available Phosphate (P₂O₅) 2%
Soluble Potash (K₂O) 5%

DERIVED FROM:

Potassium Silicate, Potassium Carbonate, Potassium Phosphite, Potassium Humate, Phosphoric Acid
Weight per gallon 9 lbs.
Weight per Liter 1.08 Kg
pH @ 20 deg. C 12

SOIL AMENDING INGREDIENTS

Humic Acid (derived from Leonardite) 2%
Purpose: For soil conditioning

CONTAINS BENEFICIAL SUBSTANCES

Silica (SiO₂) 7%

PRODUCT DESCRIPTION:

Sil-Guard is a liquid supplement that contains soluble potassium silicate, two important elements to help strengthen plant cell walls. Silica hardens the leaf and helps strengthen the xylem vessels (stem) of plants. This is especially important during times of high transpiration which will reduce water loss and environmental stress in both plants and cuttings. Potassium silicate will significantly reduce the effects of salt stress on roots, stems and leaves of plants. Sil-Guard also contains Potassium Phosphite which promotes plant health and increases the plant's resistance to disease and pests. Potassium builds carbohydrate reserves. Nutrient uptake is increased through the leaf and root tissue with the addition of humic acid. It can be applied as a foliar application on all plant varieties. A continuous source of soluble silicate is very important to enhance the plants' resistance to sucking insects and promotes the natural defense to fungal diseases.

APPLICATION RECOMMENDATIONS:

Sil-Guard is used at the rate of 1% solution (1 gal. / 100 gal of water). One gallon of Sil-Guard will treat approximately one acre of field grown crops. Apply every 2 to 3 weeks throughout the season. 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.

STORAGE & HANDLING:

Stored in normal warehouse areas. **Keep from freezing.**

Mixing: Dilute at the rate of 1 to 100 in water if possible. Put half the water in the tank and add Sil-Guard. Sil-Guard is an alkaline material with a pH of 12 and should NOT be mixed with acidic or acid-producing chemicals.

CAUTION: Keep out of reach of children. In case of contact with eyes, flush immediately with copious amounts of water. Contact a physician. Do not take internally.

- Builds Stronger Cell Wall and Stems
- Slows Down Water Transpiration Rate
- Improves Chlorophyll under Low Light

FOLIAR SPRAY RECOMMENDATIONS		
Application	Rate	Frequency / Notes
Outside Nursery & Tree Farm, Field Grown Crop Applications	Foliar Spray: 2 - 4 qt per 100 gallons water. Apply 50 to 250 gal finished mix per acre (2 - 4 L per 400 L water)	Repeat the application every 30 days or as needed. Apply after transplanting
	Continuous Feed: 6 oz per 100 gallons of water (177ml per 400 L water)	
	Soil Application: 2 - 4 qt. per 100 gallons water 2-4 L per 400 L water)	
Greenhouse Foliar Spray Only	Transplanting: Mix 3 oz in 2.5 gallons of water (88 ml in 10 L water)	Soak plug tray or foliar spray after transplanting
	Propagation: 1 oz in 2.5 gallons of water (30 ml in 10 L water)	Apply at 2nd leaf stage, and then every 10-14 day intervals
	Maintenance: .3 - 1 ounce in 2.5 gal of water (9-30 ml in 10 L water)	Apply at 10-14 day intervals to supplement nutrient requirements
Ferns	*1-2 quarts per acre (2.3 - 4.6 liters per hectare)	Apply after ferns are developed. Repeat every 30 days. <i>*Do not mix with other technical materials</i>

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 pesticides and fertilizers in your tank.

SIL-GUARD						
Fluid Ounces of Sil-Guard per Gal of Stock Tank Mix						
PPM SiO ₂	25	50	75	100	150	200
1:500	19	38	57	76	114	X
1:300	11	22	34	44	66	88
1:200	7.5	15	23	30	45	60
1:100	4	7.5	11	16	24	32
1:50	2	4	5.6	8	12	16

Manufactured in the USA By:

