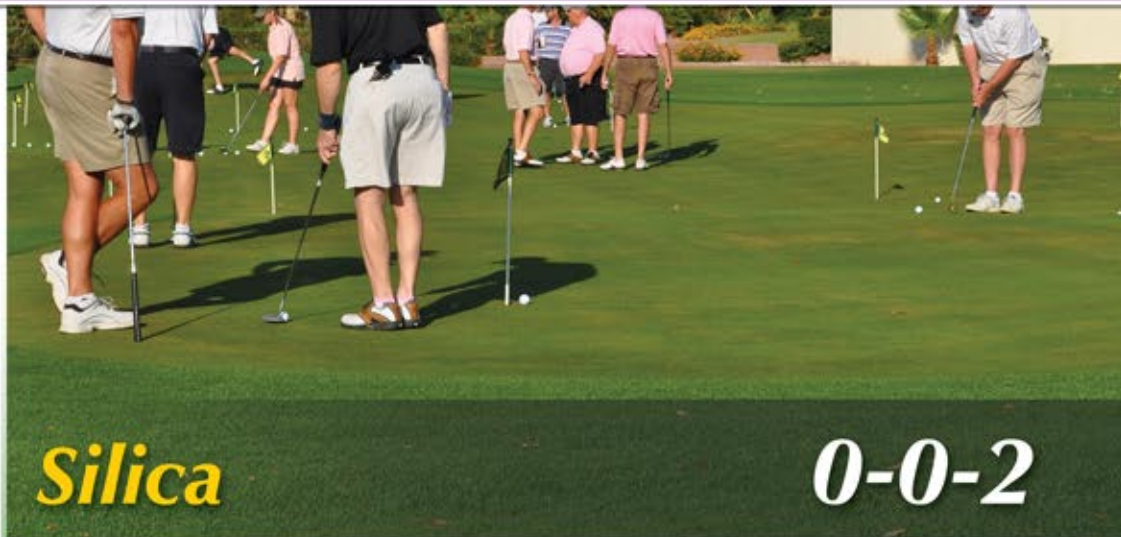




Seaweed Supplements  
 Soil Conditioners  
 Soil Remediation  
 Specialty NPK Blends  
 Micronutrients  
 Soil Moisture Management  
 Combination Products  
 Pond & Lake Management



### Benefits of Use:

- Increased wear tolerance during heavy play
- Upright growth produces a more uniform putting surface
- Applicable for all high-traffic turf areas
- Increased green speed at higher mowing heights
- Promotes upright stand for improved mow-ability, “quality of cut”
- Increased rigidity and reduced grain for a more uniform putting surface
- Strengthened cell wall tissue
- Improved stress tolerance for greenhouse plants

### Problems Addressed:

- Heavy traffic resulting in reduced vigor
- Slow green speed
- Inconsistent playing surfaces

### Guaranteed Analysis:

Soluble Potash (K<sub>2</sub>O).....2.00%  
 Silica (Si).....5.00%

### Derived From:

Potassium Silicate.  
 This product also contains organic acids.

### Physical Characteristics:

8.96 lbs./gal.; pH 11.95

### Container Sizes & Model Numbers:

1 Gallon Jug                      Model #57676

Silica (0-0-2) is a formulation of silicon and organic acids derived from potassium silicate. It is used to increase the leaf strength and rigidity of turf. When added to the fertility program for greenhouse plants, potassium silicate has shown to reduce root rot, increase strength and improve post-harvest stress resistance. The organic acids in Silica improve the availability and uptake of nutrients. Although it is not classified as an essential nutrient, silicon is a beneficial substance that is known to be present in the plant tissue of various species. Some plants grown in soils with low levels of soluble silicon, the plant-available portion of silica, are more susceptible to disease, drought and other plant stresses. Silica is designed for foliar application to help increase wear tolerance, playability and disease resistance. By strengthening cell wall tissue, Silica also promotes an upright stand for a more consistent cut and increased green speed at higher mowing heights. Increased leaf blade rigidity reduces grain for a more uniform putting surface and enhanced ball roll.

The American Association of Plant Food Control Officials recognizes silicon as beneficial for greenhouse crops as it will increase a plant’s tolerance to stresses. Studies have shown increased stem diameter, reduced time to flower, increased drought tolerance, elevated defense responses and an overall better crop. Some research has also indicated that silicon can help reduce the severity of some diseases while improving post-harvest plant survival. Applications prior to stress have shown the greatest benefit.

### Application Instructions:

Silica (0-0-2) can be applied through fertigation or foliar spray. It can be applied alone or tank mixed with other products.

### Turf:

Apply 0.1 oz. of Silica diluted in 1 gallon of water per 1,000 sq. ft. (4.4 oz. in 40 gallons of water per acre) bi-weekly or as needed. Silica may be mixed with CytoGro to enhance performance.

### Greenhouse Applications:

0.1 oz. of BioPro Silica is equal to 43.95 ppm (parts per million)

### Compatibility:

Perform a standard “jar test” to check compatibility with other products before mixing.

### Mixing Instructions:

1. Shake well before using
2. Partially fill the tank with water and start agitation
3. Slowly add products to the circulating mix one at a time
4. Fill the tank to the desired level and continue to agitate thoroughly

### Handling and Storage:

Store between 40°-120° F. Avoid direct heat or fire. Decomposition may occur at high temperatures. Avoid freezing. Keep out of reach of children. Refer to product SDS for additional safety instructions.