

## Two Powerful Stress Fighters United

### PO<sub>3</sub> Phosphite + Silica

- ❑ Potassium Phosphite
- ❑ Potassium Silicate
- ❑ Two different modes of action working together for the same end

### Phosphite: The Energy Element

- Increases Plant Energy
- ATP: Energy Battery
- Triggers Plant Defense
- Increases Crop Load

### Triggers the Three R's

- Resist
- Repair
- Recover

### Silica: Strong, Tough Plants

- Armor Plated Leaves
- Increased Resistance
- Drought Tolerance

### Advanced Nutrition Tank-Mix with Axon Amino Acids

- ❑ Fosilica + Axon offers a synergy for enhancing crop quality and yield.
- ❑ (See Axon info sheet)

Fosilica is a new generation phosphite uniting PO<sub>3</sub> phosphite and potassium silicate in a perfect marriage of two powerful stress fighters that work together from two different modes of action to enhance plant quality.

- ◆ Phosphite chemically stimulates plant defenses
- ◆ Silica works to physically harden and toughen plants.

Phosphorous in the form of Phosphite (PO<sub>3</sub>) is radically different than the traditional form of Phosphate (PO<sub>4</sub>). Phosphite (PO<sub>3</sub>) triggers plants' own self defense system and increases the energy level within the plant by increasing ATP production, the energy storage battery in the plant that powers all physiological functions, such as photosynthesis, new cell development and increased crop load.

Whether it's environmental extremes or the physiological demands from high yield crop production, plants are in a constant state of *Resisting*, *Repairing* and *Recovering* from some environmental and/or physiological stress. Fosilica phosphite (PO<sub>3</sub>) increases internal energy reserves and helps plants to *Resist*, *Repair* and *Recover* from stress conditions that threaten crop production, quality and even survival.

The soluble silica in Fosilica is taken up by the plant and translocated to the leaf area where it is deposited in layers between cell walls and beneath the epidermis. Silica toughens the plant, acting like armor plates against environmental challenges.



Magnified cell showing silica deposit in cell wall.

The increased mechanical strength improves the leaf's protective barrier from external challenges. The added strength makes the plant less dependent on osmotic pressure for leaf and stem turgidity, resulting in more drought tolerance.

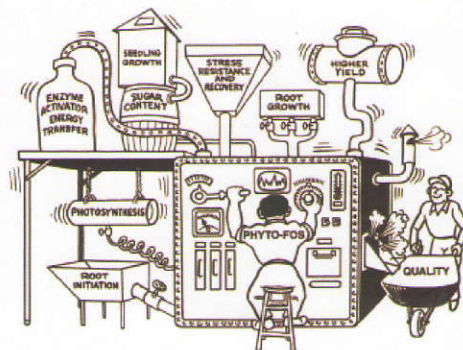
### Advanced Foliar Nutrition

Fosilica replaces conventional phosphite foliar fertilizers with superior and highly soluble potassium acetate with the added bonuses of 100% PO<sub>3</sub> and soluble silica *all in one package*.

*Advanced Foliar Nutrition* is obtained when Fosilica is tank-mixed with Axon Amino Acids. Expect a noticeable increase in plant self defense with accompanying increase in crop yield and quality.

# FOSILICA

**New Generation Phosphite**  
**0-20-26 + 1% Soluble Silica**



2963 Dominica Terrace  
Stuart, FL 34997  
772-781-7489

Product	Rate	Comments
Fosilica 0-20-26 + 1% Si	3 quarts per acre	Apply Fosilica 0-20-26 + 1% Soluble Silica 3 or more times per year at Post-bloom, Summer and Fall.
Axon Aminos 3-0-6	2 quarts per acre	A synergy exists when Fosilica is tank-mixed with Axon. Results obtained are greater than when either product is used alone. (See Axon info sheet).