KaPre™ Phonix is a chemical compound that stabilizes the plant, balances nutritional uptake and helps build tolerance against environmental stresses and physical and mechanical injury. KaPre Phonix contains compounds that increase intracellular carbon dioxide and is supplemented with specific nutrients — methanol metabolites and amino acids — proven to enhance yields. It gives plants a boost by inhibiting photorespiration allowing the plants to retain more captured sunlight energy. This improved productivity, in part, results from inhibition of stress, enhanced fixation of carbon dioxide, and increased plant turgor. (Turgidity is the opposite of wilt, see box next page).

Benefits of applying KaPre Phonix throughout the growing season:

- Promotes plant growth by enhancing carbon fixation
- Increases plant turgidity
- Ensures ideal plant hormone balance
- Promotes rapid growth and maturity
- Increases sugar content
- Helps plants better utilize available water
- Enhances environmental stress tolerance
- Promotes growth in tissues of young and mature plants
- Improves nutrient uptake
- Extends productivity by delaying premature senescence

KaPre Phonix is a patented potassium fertilizer solution for use as a foliar or soil applied supplement to a good fertility program. It is formulated with Baypure® biodegradable chelating agent and organic compounds for improved plant nutrient uptake. KaPre Phonix will perform best when applied with plant nutrition products and additional carbon sources.

KaPre Phonix helps plants manage stress better and protects yield potential.
See the Full Line of **Innova™** Performance Products

**KaPre PhoNix**
0-0-20
Guaranteed Analysis

Soluble Potash (K₂O) . . . . . . . 20%

Derived from potassium hydroxide

Application Instructions:
Use Rate 4 oz/A
KaPre PhoNix can be applied as a foliar or soil application to all crops. Applications should be made at planting (if applicable) and then every 10 to 14 days throughout the growing season, as needed.

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**The Benefits of Improved Plant Turgor**

* **Turgor** is the distension of the plant cell wall and membranes by increasing the cellular fluid content. Turgidity, being the opposite of wilt, is increased with improved synthesis of sugar and is a positive sign of plant vigor. High levels of turgor pressure distend guard cells, thereby increasing the stomatal opening and allowing improved assimilation of carbon dioxide.

Enhanced turgidity results in improved photosynthesis and generally results in lower water requirements. It also appears to increase tolerance to environmental extremes, i.e. heat, cold, drought, water stress, low humidity and high light intensity.

*Reference: METHODS AND COMPOSITIONS FOR ENHANCING CARBON FIXATION IN PLANTS, Arthur M. Nonomura and Andrea A Benson.*

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