



# AMINO TREATMENT

## H&G's HIGH GRADE CELL ENHANCER

USE OF AMINO ACIDS IN ESSENTIAL QUANTITIES IS A KNOWN METHOD TO INCREASE YIELD AND QUALITY.

### SILICA

- \* Strengthens epidermal walls in stalks, stems, leaves, and roots
- \* Helps plants tolerate environmental stress (cold, heat, drought, pests, salinity, mineral toxicity, deficiencies, water stress, light burn, viruses and diseases)
- \* Helps to resist insects, animals, fungi, and disease. Also resists drought and wilting
- \* Helps the plant tolerate excessive phosphorus levels
- \* Increases concentration of chlorophyll in the leaves resulting in more photosynthetic carbohydrate production



### AMINO ACIDS

- \* There are 20 amino acids (9 essential) and many derivatives (Examples: Glutamine, Tryptophan, Aspartic Acid, and Histidine)
- \* Have been shown to form chemical barriers against pests and disease
- \* Chelates metallic cations such as  $Ca^{2+}$ ,  $Mg^{2+}$ , and anions such as silicates
- \* Improves mineral absorption by plants; prevents deficiencies
- \* Improves overall plant health

### SILICA and AMINO ACIDS TOGETHER

- \* Glycine, Glutamine, Histidine, and Imidazole enhance silica uptake up to 3x and cut insect damage by 50%; amino acids solubilize/chelate silica for uptake by plants
- \* Research studies have consistently displayed resistance to damage from pests, increased dry matter, and increased yields when amino acids in conjunction with silica are applied
  - \* While silica can raise pH outside optimum levels, amino acids stabilize and lower pH

GROW YOUR OWN SUCCESS

# HOUSE & GARDEN

PREMIUM NUTRIENTS & ADDITIVES

