

# ☆ ALLSTAR™ ☆ FOLIARS

## CHELATED FOLIAR NUTRIENTS FOR PERMANENT AND ROW CROPS

### FEATURES AND BENEFITS

☆ ALLSTAR™ ☆ FOLIARS are designed to supply nutrients efficiently to vegetable crops, field, crops, row crops, deciduous fruit and nut trees, grapes and citrus. ☆ ALLSTAR™ ☆ FOLIARS are specially designed to make available the nutrients needed to



promote and maintain a general vigor so that the plant is better able to perform its normal functions and better withstand

stress. The term foliar feeding implies uptake and utilization of nutrient materials applied to plant leaves. This is misleading as all living parts of a plant above ground can absorb nutrients: twigs, branches, buds, fruits, flowers, and stems. Foliar intake of nutrients are more readily available and easily utilized by the plant than when applied to the soil. Foliar nutrients increase the rate of photosynthesis and by doing so stimulate and increase nutrient absorption by the roots.

### KEY TO FOLIAR NUTRITION

The key to foliar nutrition is absorption and mobility. Nitrogen, phosphorus, potassium and sulfur are quite easily absorbed and translocated. The



minor elements are much less absorbable and mobile and tend to accumulate at the point of absorption. This is why we use plant extracts to increase the mobility. Phosphorus is nature's catalyst allowing the translocation of minors within the plant.

☆ ALLSTAR™ ☆ FOLIARS also contain



the necessary plant extracts to effectively reduce surface tension of the leaf, to reduce the reactivity of components in

complex mixes, to chelate trace minerals and improve adhesion to leaf and plant surfaces, improving the absorption of nutrients.

### IMPORTANCE OF TRACE ELEMENTS

Trace elements, minors, or micros are absolutely essential for plant growth, for optimum utilization of other essential nutrients, and for maximum economic yields of the highest quality. For all crops, micronutrients are as vital as nitrogen, phosphorus and potassium. The only difference is the amount. Micronutrients are involved in enzyme systems, photosynthesis, respiration, protein formation, vitamin and hormone development, and other plant growth functions. Copper and iron play important roles in energy production in plants.



Iron exerts a strong influence on chlorophyll production, without which photosynthesis would be impossible. Zinc is necessary for the production of proteins and the formation of growth regulators. Molybdenum is essential for the utilization of nitrogen and the building of proteins.

### FOLIAR NUTRITION PAYS

In review of foliar nutrition research, foliar feeding during peak nutrient demand increases yields and enhances quality. It is effective for improving the supply of essential micronutrients. Deficiencies can be quickly corrected during the growing season in much lower rates than in soil applications. In short, ☆ ALLSTAR™ ☆ FOLIARS serve as an efficient, economical way for getting nutrients into a plant rapidly when demand exceeds translocation and absorption rates from the soil.



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### EASY APPLICATION

☆ ALLSTAR™ ☆ FOLIARS can be added to existing spray programs and are compatible with most insecticides and pesticides. Caution should be taken when blending with additional phosphate fertilizers or sulfate minerals. In all cases, it is recommended that a jar test be made to determine compatibility with other materials before proceeding with high volume mixing.



### ☆ ALLSTAR™ ☆ FOLIARS LINEUP

#### LIQUID FOLIAR PRODUCTS:

- SureSet 6-19-2 + Micros
- 2-17-17 + Micronutrients
- 4-16-4 + Micronutrients
- Calcium Chelate 6% + .5% Bo
- 2-14-14
- 4-17-10
- 7-21-3
- 0-30-0
- 0-0-26
- 0-4-21
- Boron Chelate 5%
- Copper Chelate 5%
- Iron Chelate 5%
- Magnesium Chelate 5%
- Manganese Chelate 7%
- Zinc Chelate 8%

#### AMINO ACID CHELATE FOLIARS:

- Calcium 14% Plus
- Copper 12% Plus
- Iron 15% Plus
- Magnesium 10% Plus
- Manganese 15% Plus
- Zinc 15% Plus

In all cases, detecting the need for micronutrients is best attained by plant and soil analyses. Call your NRG representative for details.