



# SYNERGIZER®

Foliar Nutrients

**SYNERGIZERS** are a line of liquid, water soluble, buffered, foliar nutrients specially designed to enable crops to reach their balanced nutritional status. Synergizers contain high levels of available nutrients and micronutrients for immediate foliar absorption and utilization by plants. Designed for foliar application, Synergizers eliminate the fixing or tying up of important nutrients – particularly phosphorus - in the soil. The application of Synergizers at the proper times will result in healthier crops and greater retention of flowers and fruits resulting in increased yields and higher quality.



## Benefits of Using Synergizer

- Readily available nutrients
- Added micronutrients
- Easy foliar application
- Can be used with humic acids
- Choice of formulations

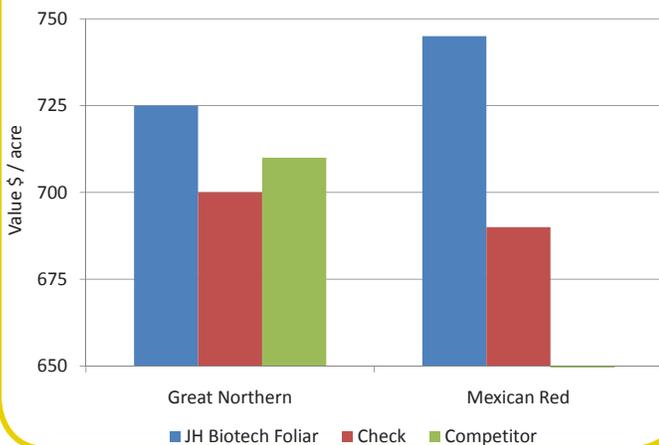


**SYNERGIZER 8-32-4** contains high levels of available nutrients: 8% nitrogen, 32% phosphorus, 4% potassium, and micronutrients for immediate absorption and utilization by plants. With its uniquely high level of phosphorus, **SYNERGIZER 8-32-4** is formulated to overcome the critical stages when maximum phosphorus requirement occurs. At these critical stages, plant roots are not capable of taking up enough nutrients from the soil for proper growth. Application of **SYNERGIZER 8-32-4** at this stage will provide additional phosphorus to boost energy and growth.

Phosphorus is directly related to the energy system of plants. It is used in storage and transfer of energy through energy rich linkages. It affects plant growth, seed germination, bud formation, flowering, seed development, tuber initiation, and maturity.

## 1996 Bean Foliar Trial

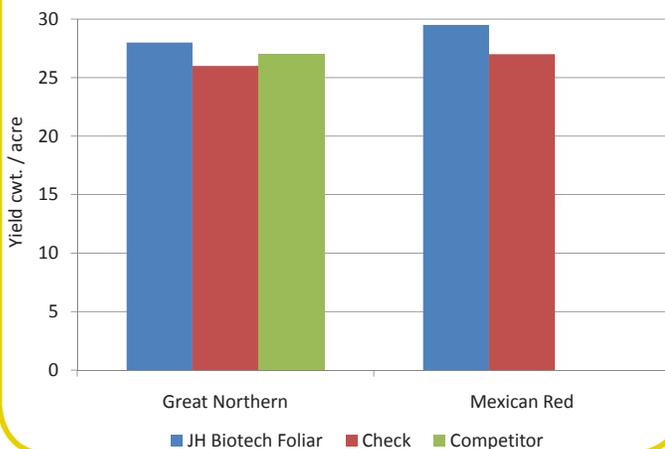
Western Farm Service



**Figure 1.** The dollar per acre reflect the following price: Great Northern's \$26.00, Mexican Red's \$25.00. All the returns assume \$15.00 per acre for the cost of the foliar nutrients.

## 1996 Bean Foliar Trial

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**Figure 2.** The field plots range from 2-5 acres in size. A ground sprayer was used to apply the foliar. Foliars were applied before first bloom at the following rates :  
 JH Biotech -2 qts. Synergizer 8-32-4, 1 pt. Zn, Mn, Fe, and ½ pt. B.  
 Competitor- 1.5 pts. 7-14-14, 1 pt Zn, ½ pt. Mn, B.

## POPULAR FORMULATIONS:

Synergizer 8-32-4 (all purpose)

Synergizer 5-20-20

Synergizer 0-10-20

Synergizer 0-0-15

Synergizer 6-25-3 (Parsley and Cilantro)

Synergizer 3-25-16 (Strawberry)

Synergizer 0-0-30 (Potassium bicarbonate)

Synergizer 5-10-20 (Grape)

## GENERAL RECOMMENDATIONS

**SYNERGIZER** can be used on Alfalfa, Almond, Apple, Apricot, Avocado, Barley, Beans, Carrot, Cherry, Cilantro, Citrus, Corn, Cotton, Grapes, Hops, Parsley, Peach, Pear, Pecan, Pepper, Pistachio, Plum, Potato, Prune, Rice, Sorghum, Soybean, Strawberry, Sugarbeet, Sunflower, Tomato, Vegetables, Walnut, and Wheat.



**SYNERGIZER** virtually eliminates the danger of the applied phosphorus from being fixed or "tied up" in the soils. "Tie up" of phosphorus usually occurs in soils with low pH, high pH, low temperature, or high salts. These conditions restrict the uptake of phosphorus from the soils by plant roots. **SYNERGIZER** is most beneficial to plant growth under these conditions.



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