

# Research Publication: Bell Peppers

## Yield Comparison Trial

Hughson, CA

Harvest data was accumulated for comparison of Nature's Source® Professional Plant Food 10-4-3 applied at 100 pounds of nitrogen per acre and Agrium 10-34-0 applied 200 pounds of nitrogen per acre.

### RESULTS SUMMARY

#### **Greater Yield per Dollar of Fertilizer and Nutrient Use Efficiency with Similar Yield**

Yield was greater per dollar of fertilizer due to the nutrient efficiency of Nature's Source 10-4-3. Compared to the competition, Nature's Source was applied at half the rate of nitrogen and nearly twenty times less phosphorus was applied to the pepper crop, with little impact on overall yield.

Fertilizer Product	Fertilizer gal/acre	Yield tons/acre	Product cost/gal \$	Yield lbs/ \$ fert.
Nature's Source Professional 10-4-3	100	6.01	\$5.00	\$24.04
Agrium 10-34-0	200	6.89	\$2.95	\$23.36

Nutrient use efficiency, (NUE), was improved significantly. Nitrogen use efficiency increased by over 60% and phosphorus efficiency improved by over 200%. NUE was calculated based on the International Plant Nutrition Institute, (IPNI), partial nutrient balance, (PNB), which takes into account the nutrient applied and product harvested.



#### Referenced Products

Nature's Source® Professional Plant Food 10-4-3

Website: [www.NaturesSourcePlantFood.com](http://www.NaturesSourcePlantFood.com)

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