



# Nebraska On-Farm Research Network

<b>Years:</b>	2006
<b>Title:</b>	BTN+ Plant Food
<b>Crop:</b>	Soybeans
<b>Study ID:</b>	039155200601
<b>County:</b>	Saunders
<b>Objective:</b>	To determine & document the effect of using BTN+ Plant Food on the profitability of soybean production.
<b>Treatments:</b>	Check (no fertilizer) vs. BTN+ 2 gal/ac in furrow vs. BTN+ 4 gal/ac in furrow.

## Nebraska Soybean & Feed Grains Profitability Project



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.

University of Nebraska–Lincoln Extension educational programs abide with the nondiscrimination policies of the University of Nebraska–Lincoln and the United States Department of Agriculture.



# Nebraska On-Farm Research Network

<b>Results:</b>	<b>2006 Soybeans (GH 2811)</b>			
<u>Variable</u>	<u>Check</u>	<u>2 gal/ac</u>	<u>4 gal/ac</u>	<u>Prob &gt;F</u>
Yield, bu/ac @ 13%	85	85	85	0.720 ns
Moisture, %	9.2	9.2	9.4	0.143 ns
Test Wt, lbs/bu	56.9	56.8	56.9	0.979 ns
Plants (V2), 1000/ac	107.8	103.6	79.3 ***	0.0002 ***
Plants (Harvest), 1000/ac	105.8	93.2 ***	66.6 ***	<.0001 ***
Seed Protein, %	34.4	34.4	34.4	0.981 ns
Seed Oil, %	20.2	20.1	20.1	0.354 ns
Cost/ac	---	29.50	59.00	---

Planting Date: 5/8/06

Harvest Date: 10/2/06

Summary: During the 2006 growing season under center pivot irrigated growing conditions, the application of BTN+ at the rate of 2 & 4 gal/ac did not result in a significant increase in seed yield, seed oil or seed protein content in comparison to the no BTN+ or check treatment. However, a highly significant reduction in plant population did occur at the V2 stage of growth from the 4 gal/ac rate. At harvest, the reduction of plant population was highly significant for the 2 gal/ac rate, & was further reduced by the 4 gal/ac rate; however, yields were not reduced. Seed moisture & test weight were not affected by the application of BTN+.

## Nebraska Soybean & Feed Grains Profitability Project



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.

University of Nebraska–Lincoln Extension educational programs abide with the nondiscrimination policies of the University of Nebraska–Lincoln and the United States Department of Agriculture.

# Nebraska On-Farm Research Network

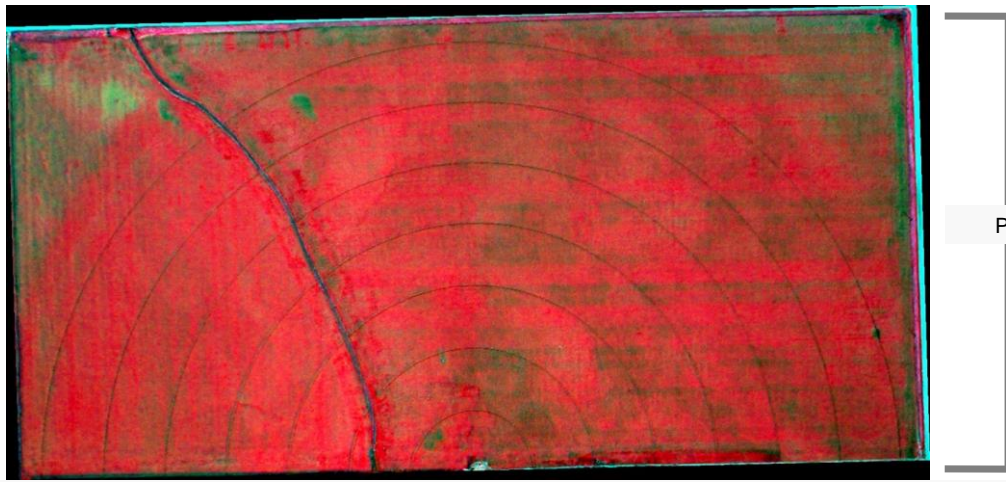


Photo taken just prior to harvest. BTN+ treated areas defoliated sooner than non-treated areas.

## Nebraska Soybean & Feed Grains Profitability Project

# Nebraska On-Farm Research Network



## Nebraska Soybean & Feed Grains Profitability Project

# Nebraska On-Farm Research Network

## BTN+™

### 5-4-4-plus 3 Sulfur

**Guaranteed Analysis**

Total Nitrogen (N) .....	5%
5% Urea Nitrogen (N) .....	
Available Phosphate (P2O5).....	4%
Soluble Potash (K2O) .....	4%
Sulfur (S) .....	3%
3% Combined Sulfur (S)	

Derived from urea, orthophosphate, potassium hydroxide, sulfuric acid.

**NON-PLANT FOOD INGREDIENTS:**

Humic Acid.....	32%
Fulvic Acid.....	17%
Seaweed Extract.....	7%

**NET WT. 9 pounds per gallon or 1.1 kg/L (2250 pounds total liquid weight)**  
Information regarding the contents and levels of metals in this product is available on the internet at: <http://agr.ws.gov/PestFert/Fertilizers/ProductRegistration.htm>

Agitate before you applicate!

- > Keep out of reach of children.
- > Use as directed.
- > Do not allow product to freeze.
- > Do not store product in direct sunlight for extended periods of time.
- > Agitate thoroughly prior to each application.
- > Consult your local distributor for application rates.

**BIO TECH NUTRIENTS™**  
Future Solutions Now

**Guaranteed By:**  
**BIO TECH NUTRIENTS, LLC**  
 818 West Brooks Avenue  
 N. Las Vegas, Nevada 89030

**Manufactured By:**  
**BIO TECH NUTRIENTS**  
 215 Industrial Park Road  
 Grace, Idaho 83241

PLANT FERTILIZER

## Nebraska Soybean & Feed Grains Profitability Project