



# Nebraska On-Farm Research Network

<b>Years:</b>	2006
<b>Title:</b>	BTN+ Plant Food
<b>Crop:</b>	Soybeans
<b>Study ID:</b>	061155200601
<b>County:</b>	Saunders County
<b>Objective:</b>	To determine & document the effect of using BTN+ Plant Food on the profitability of soybean production.
<b>Treatment:</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.

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Results:	2006 (Midwest 3102)			
<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%	60 **	61	61	0.061 *
Moisture, %	11.2	11.2	11.2	0.296 ns
Test wt, lbs/bu	56.5	56.0	56.2	0.232 ns
Plants (V3), 1000/ac	133.4	133.9	134.2	0.933 ns
Plants (Harvest), 1000/ac	130.2	133.4	127.2 *	0.139 ns
Seed Protein, %	34.1	34.1	33.7	0.498 ns
Seed Oil, %	19.2	19.3	19.0	0.596 ns
Cost/ac	---	\$29.50	\$59.00	---

Summary: During the 2006 growing season, the application of BTN+ at the rate of 2 & 4 gallons per acre did result in a significant increase in rainfed seed yield at the 90% confidence level. Harvest plant population was reduced by the 4 gallon per acre rate at the 90% confidence level. Plant population at V3, seed moisture at harvest, seed test weight & percent oil & protein content were not significantly different at the 90% confidence level.

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## BTN+™

**5-4-4-plus 3 Sulfur**

Guaranteed Analysis

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

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.wa.gov/PestFert/Fertilizers/ProductRegistration.htm>

Agitate before you apply!

- > 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.



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PLANT FERTILIZER

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