



# Navy Bean Fertilizer Programs ( 16-707 )

## Experiment Info:

Planted:	6/1/2016
Harvest:	9/25/2016
Yield Goal:	30 cwt/A
Target Fert.:	34-36-0
Variety:	Alpena
Population:	104,000
Row Width:	30"
Prev. Crop:	Corn
Plot Size:	15 X 265
Replications:	4
FOL	08/03/2016

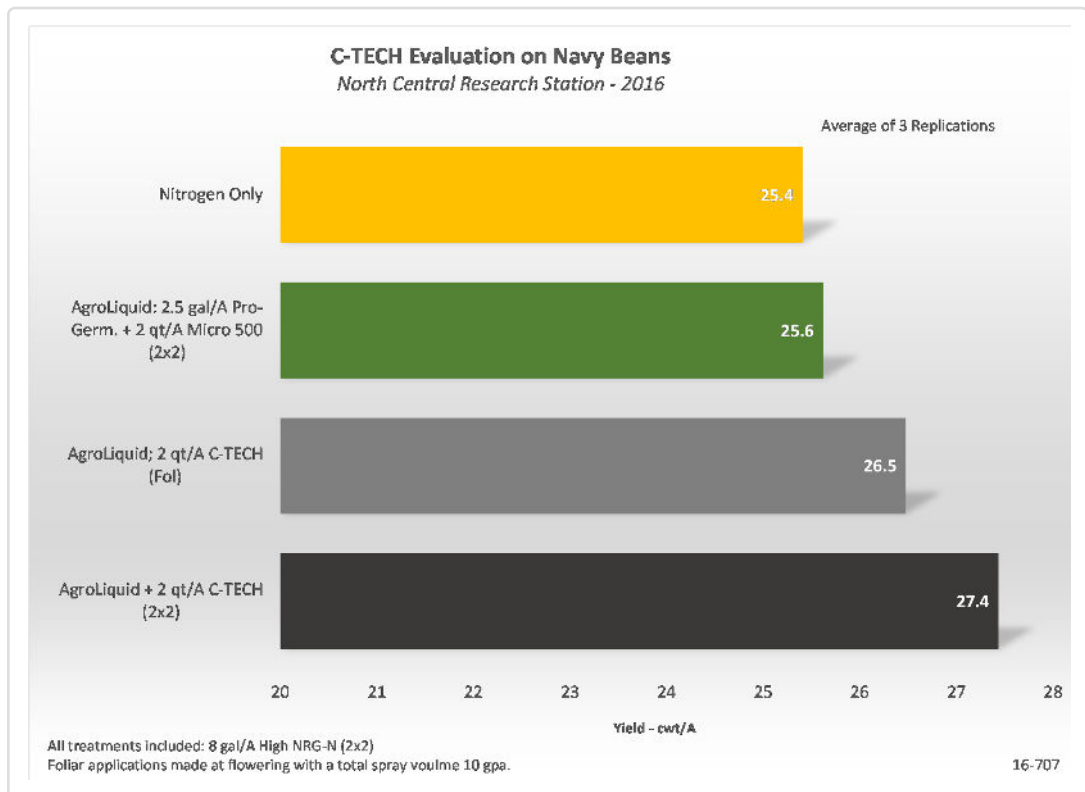
## Soil Test Values (ppm):

pH:	6.6
CEC:	16.8
%OM:	2.5
Bray P1:	15
Bicarb P:	-
K:	163
S:	11
%K:	2.5
%Mg:	19.6
%Ca:	71.7
%H:	5.8
Zn:	1.4
Mn:	7
B:	0.6

## Objective:

To evaluate the additions of C-TECH to an AgroLiquid program for dry beans.

The AgroLiquid product C-TECH contains organic matter, live strains of beneficial fungi and bacteria, and soil-activated chelates that can help better aid the plant in nutrient availability from the soil. Recent studies have shown increased root mass and larger plant size with the use of C-TECH. The AgroLiquid planter program developed for the soil test and applied 2x2 was 2.5 gal/A Pro-Germator + 2 qt/A Micro 500. The addition of 2 qt/A C-TECH was added to the AgroLiquid planter treatment. An additional treatment studied the effect of using C-TECH as a foliar in an application made during the flowering stage. All treatments received 8 gal/A High NRG-N 2x2 with the planter. Yields in hundred weight per acre are shown in the chart below.



LSD(0.2)2.9, CV: 10.5%

## Conclusions:

- Both additions of C-TECH added yield to the AgroLiquid program.
- The addition of C-TECH to a planter application near the roots increased yield by 1.8 cwt/A.
- At a navy bean price of \$30/cwt, the increase in harvest value is substantial.