

### Experiment Info:

|                         |
|-------------------------|
| Planted:                |
| Harvest: 10/23/2014     |
| Yield Goal: 30 ton/A    |
| Target Fert.: 120-39-77 |
| Variety: RR202MP        |
| Population: 48,000      |
| Row Width: 30"          |
| Prev. Crop: Wheat       |
| Plot Size: 15 X 265     |
| Replications: 4         |

### Liquid

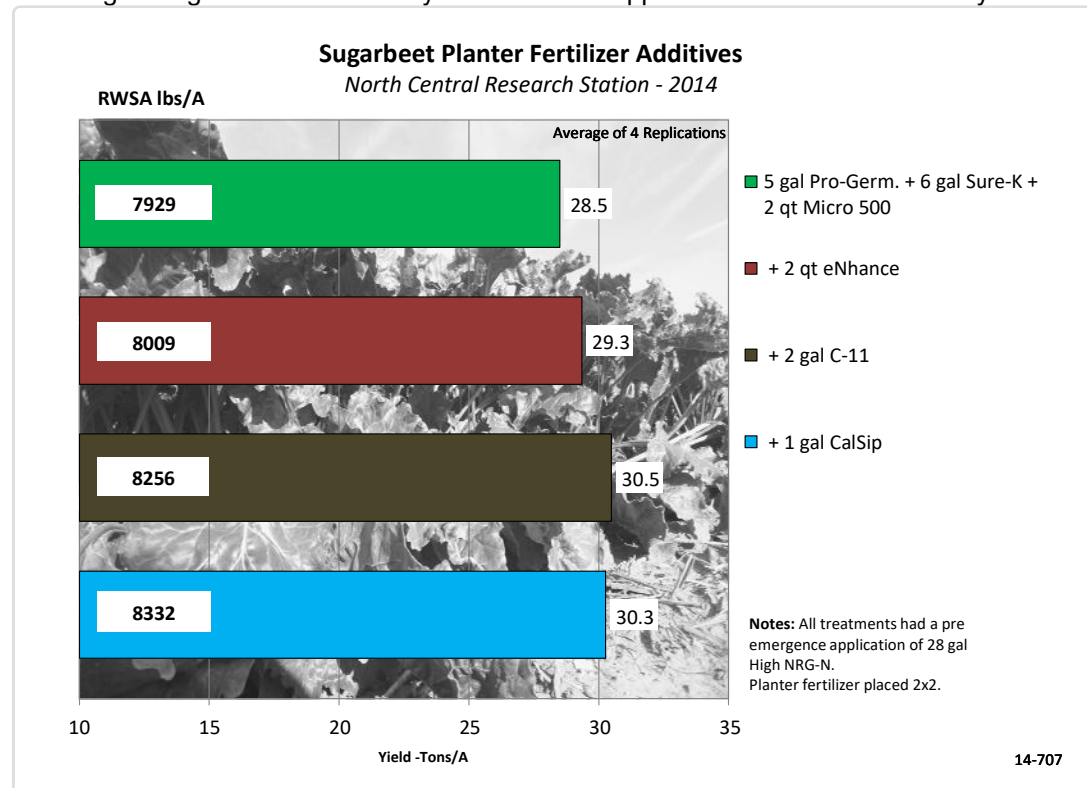
### Soil Test Values (ppm):

|           |      |
|-----------|------|
| pH:       | 6.8  |
| CEC:      | 14.9 |
| %OM:      | 2.8  |
| Bray P1:  | 16   |
| Bicarb P: |      |
| K:        | 145  |
| S:        | 6    |
| %K:       | 2.5  |
| %Mg:      | 21   |
| %Ca:      | 76.1 |
| %H:       |      |
| Zn:       | 1.5  |
| Mn:       | 5    |
| B:        | .5   |

### Objective:

To test the yield enhancing abilities of different additives to a standard sugarbeet nutrient recommendation.

Studying a soil test and knowing the field soils can lead to asking the question of: What else can be done to push sugarbeet yields to the next level? Three products were chosen to test this question in this experiment. Each was added to the base program of 5 gal/A Pro-Germinator + 6 gal/A Sure-K + 2 qt /A Micro 500 applied at planting in a 2x2 placement. The first product added was 2 qt/A of eNhance to provide an equivalent sulfur benefit of 6 lbs/A to the low sulfur test level. The second product was an experimental known as C-11 which should provide additional carbon to help alter the fertilized zone for better nutrient uptake. And the third product added was CalSip at 1 gal/A to provide a sulfur and calcium benefit. Each gallon of CalSip will provide an equivalent 4 lbs sulfur and 3.5 lbs calcium. Soils were wet and planting was delayed until May 29th. The late planting still resulted in very good yields which appear on the chart below. Sub samples of sugarbeets from each plot were collected and sent to Michigan Sugar for sucrose analysis and results appear on the left side of each yield bar.



LSD(0.2) 2.1, CV: 7.4%

### Conclusions:

- All three treatments with additives yielded higher tons/A and higher recoverable sugar per acre than the base program.
- Exploring a soil test and knowing the soils can point to additional additives that may be needed to push yields to a higher level.
- CalSip and eNhance are two very good products to provide additional sulfur.
- The experimental product C-11 yielded the highest tons/A.