



Sugarbeet Foliar Comparison (16-705)

Experiment Info:

Planted:	4/20/2016
Harvest:	11/2/2016
Yield Goal:	30 ton/A
Target Fert.:	120-69-115
Variety:	173RR
Population:	50,000
Row Width:	30"
Prev. Crop:	Wheat
Plot Size:	15 x 265
Replications:	4
FOL (1st)	07/18/2016

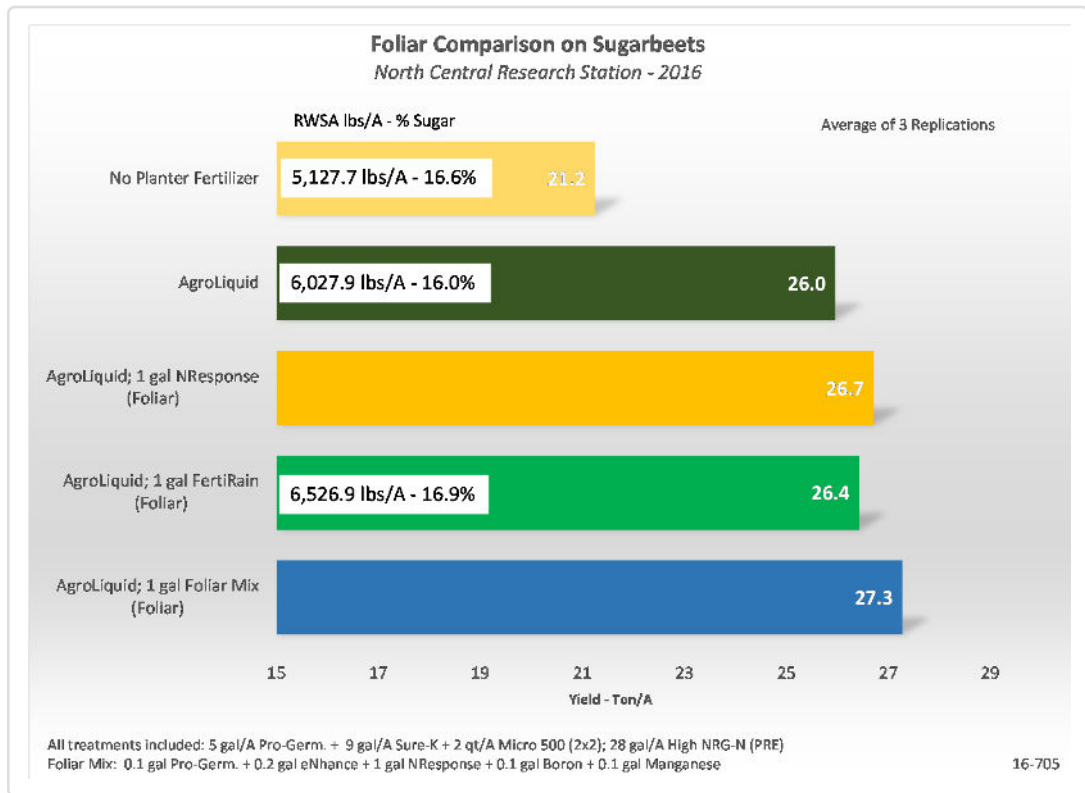
Soil Test Values (ppm):

pH:	6.6
CEC:	11.3
%OM:	1.9
Bray P1:	9
Bicarb P:	-
K:	106
S:	11
%K:	2.4
%Mg:	20.5
%Ca:	70.2
%H:	6.4
Zn:	1.0
Mn:	10
B:	0.5

Objective:

To continue the comparison of AgroLiquid foliar programs.

The AgroLiquid planter program used on all treatments was 5 gal/A Pro-Germinator + 9 gal/A Sure-K or Kalibrate + 2 qt/A Micro 500 2x2. Sugarbeets were planted with a Monosem planter in 30" row spacing in a stale seedbed prepared the previous fall with an Orthman 1tRIPr strip till system. Foliar applications were made near the first Cercospora leaf spot fungicide timing on July 18 at 10-12 leaf stage. Treatments included either 1 gal/A NResponse, 1 gal/A FertiRain or a foliar mix of 0.1 gal/A Pro-Germinator + 0.2 gal/A eNhance + 1 gal/A NResponse + 0.1 gal/A Boron + 0.1 gal/A Manganese. All foliar treatments were applied with water to make a broadcast application rate of 10 gpa. Samples of sugarbeets from selected treatments were taken at harvest for sucrose and quality analysis by Michigan Sugar. Yields and sucrose information appear in the chart below.



Conclusions:

- FertiRain at 1 gal/A increased sugar content by 0.9% and with the increased tonnage, recoverable sugar was nearly 500 lbs/A higher than the planter only fertilizer.
- Using NResponse or the special Foliar Mix as described above, also increased tons/A. Unfortunately samples were not collected from these treatments for evaluation.