



Foliar Fertilizer Comparison on Sugarbeets (20-712)

Experiment Info:

Planted:	4/27/2020
Harvest:	10/6/2020
Yield Goal:	35 ton/A
Target Fert.:	120-86-199
Variety:	G645
Population:	50,000
Row Width:	30
Prev. Crop:	Corn
Plot Size:	15 x 255
Replications:	

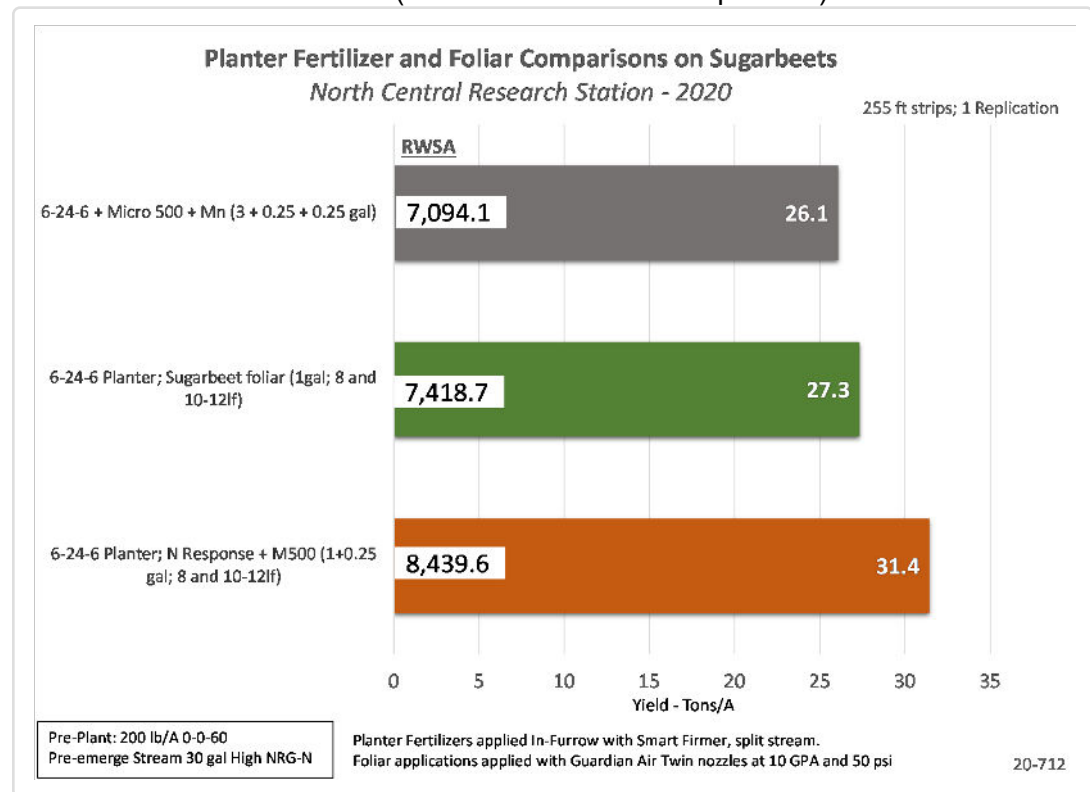
Soil Test Values (ppm):

pH:	7
CEC:	17.6
%OM:	5.4
Bray P1:	7
Bicarb P:	8
K:	85
S:	5
%K:	1.2
%Mg:	18.7
%Ca:	79.9
%H:	
Zn:	.8
Mn:	2
B:	.2

Objective:

To evaluate an AgroLiquid product based foliar application over a conventional product planter starter.

Plots were established April 27th on freshly prepared strip till strips. The base starter program was 3 gal/A 6-24-6 + 0.25 gal/A Micro 500 + 0.25 gal/A Manganese applied in-furrow with a split stream for seed safety. A sugarbeet foliar mix: of 1 gal NResponse + 0.2 gal eNhanse + 0.1 gal Pro-Germinator + 0.1 gal Boron + 0.1 gal Manganese applied at a 1 gal/A rate was compared to a second mix of 1 gal NResponse + 0.25 gal Micro 500. Both foliar mixes were applied at two timings: at an 8 leaf and a 10-12 leaf growth stage of the plant. Foliar applications were made with a total spray volume of 10 gpa using Guardian Air Twin nozzles on 15" spacings and 50 PSI @ 75-77 degrees F and 65-70% Relative Humidity. The yields in ton/A and Recoverable White Sugar per Acre (RWSA) of these treatments are shown below. (Treatments were non-replicated)



No Stats only 1 replication

Conclusions:

- Tonnage and RWSA was increased with the use of foliar applications over the 6-24-6 planter fertilizer alone.
- Many AgroLiquid products can fit into a sugarbeet foliar program that is applied with a fungicide application. Read and follow label directions of the fungicide and any additives that are being applied with the foliar nutrition.