



Foliar Fertilizer Options on Processing Tomatoes

Red Gold, Frankton, IN, 2022

Experiment Info	
Planted:	5/22/22
Harvested:	8/18/22
Yield Goal:	20 ton/a
Variety:	
Pop.:	
Row Width:	36"
Prev. Crop:	Corn
Plot Size:	5' X 100'
Reps:	1

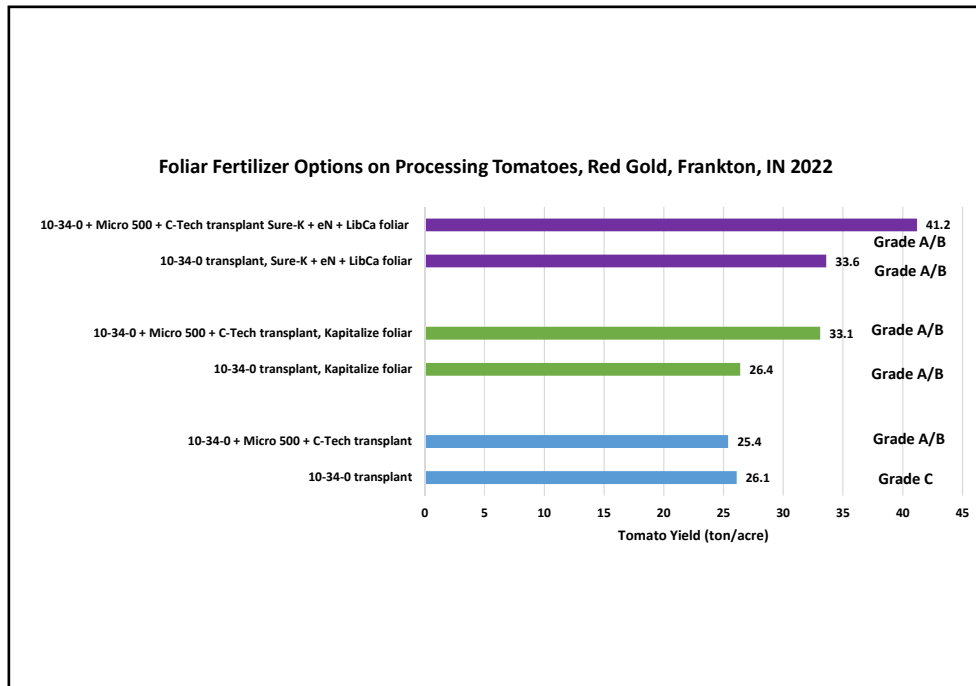
Soil Test (ppm)	
pH:	6.6
CEC:	11.2
%OM:	2.3
Bray P1:	45
Bicarb P:	
K:	144
S:	
%K:	3.4
%Mg:	16.1
%Ca:	70.1
%H:	10.4
Zn:	
Mn:	
B:	

Objective:

This trial was conducted in cooperation with Red Gold Tomato Company in Indiana.

Processing tomatoes are commonly fertilized at planting with phosphorus in transplanting solution, as a side-dress application, and with foliar applications. The objective of this trial was to evaluate transplant solution treatments in combination with foliar fertilizer treatments for improvement of tomato yield and grade quality.

Transplant solution treatments included 1% 10-34-0, or 1% 10-34-0 + 0.25% Micro 500 + 0.25% C-Tech. Foliar treatments compared four applications of Kapitalize at 2 gal/acre to four applications of Sure-K + Liberate Ca + eNhanse at 1.5 + 0.25+0.25 gal/acre.



Conclusions:

Addition of Micro 500 and C-Tech in transplant solution improved grade rating compared to 10-34-0 in transplant solution.

Combinations of transplant solution plus foliar applications of Sure-K or Kapitalize provided higher yield and improved grade compared to 10-34-0 in transplant solution.

Kapitalize or Sure-K improved yield compared to no foliar fertilizer. Sure-K + eNhanse + Liberate Ca foliar program performed better than Kapitalize in this trial.