Effect of Transplant Solution on Tomato Yield

In Cooperation with Red Gold, Alexandria, Indiana, 2025

Experiment Info	
Planted:	5-16-25
Harvested:	9-11-25
Yield Goal:	
Variety:	
Pop.:	
Row Width:	36"
Prev. Crop:	Corn
Plot Size:	5' X 300'
Reps:	

Soil Test (ppm)	
pH:	5.8
CEC:	12.5
%OM:	2.5
Bray P1:	78
Bicarb P:	
K:	355
S:	33
%K:	7.1
%Mg:	9.7
%Ca:	63.8
%H:	19.1
Zn:	2.4
Mn:	10
B:	0.3

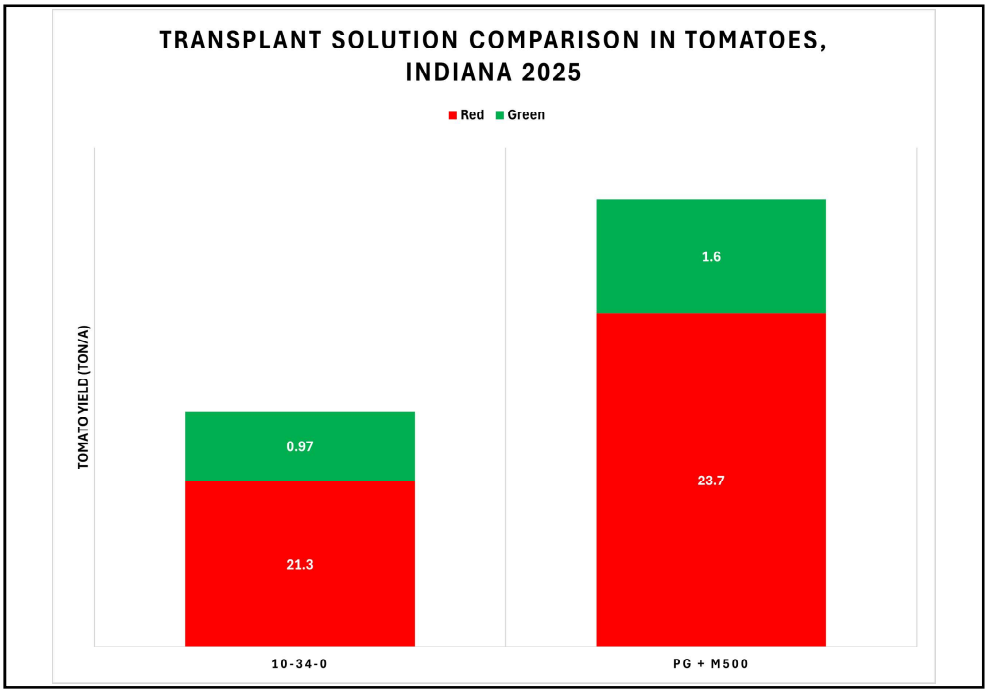
Objective:

The objective of this trial was to demonstrate the value of Pro-Germinator + Micro 500 as a transplant solution in tomatoes.

- Commercial standard: 1% 10-34-0, 100 gal/acre transplant solution. (4 lb phosphate/acre)
- AgroLiquid: 2% Pro-Germinator, 0.5% Micro 500, 100 gal/acre transplant solution. (5.2 lb phosphate/acre)

Soil test phosphorus values 30 days after transplanting:

- Non-phosphorus control: 78 ppm
- Commercial Standard: 80 ppm
- AgroLiquid: 103 ppm



Conclusions:

Pro-Germinator + Micro 500 treated tomatoes yielded two ton/acre more than tomatoes treated with 10-34-0

- Pro-Germinator + Micro 500 increased red tomato yield by almost 10% compared to 10-34-0
- Pro-Germinator provided more plant available phosphorus 30 days after planting than did 10-34-0. Phosphorus available from 10-34-0 was not different than the non-phosphorus control.