



Foliar Phosphorus Options in Apples - 2024

Reality Research, NY

Experiment Info	
Planted:	
Harvested:	8-28-24
Yield Goal:	
Variety:	Gala
Pop.:	1210/a
Row Width:	
Prev. Crop:	
Plot Size:	12X17'
Reps:	6

Soil Test (ppm)	
pH:	
CEC:	
%OM:	
Bray P1:	
Bicarb P:	
K:	
S:	
%K:	
%Mg:	
%Ca:	
%H:	
Zn:	
Mn:	
B:	

Objective:

The objective of this research was to evaluate Pro-Germinator and spring-uP as foliar phosphorus sources in Gala apples. Treatments included:

Standard Trt. 1 - no foliar

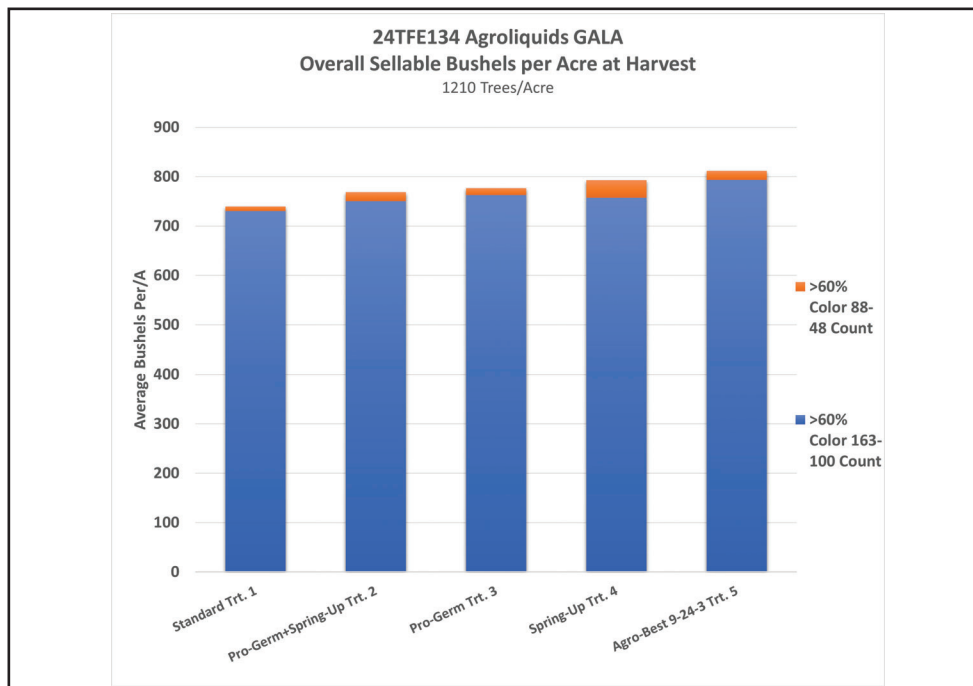
Pro-Germ + spring-uP Trt 2 - 1 + 1 gal/acre at bloom, petal fall, 1st cover, 2nd cover

Pro-Germ Trt 3 - 1 gal/acre at bloom, petal fall, 1st cover, 2nd cover

Spring-uP Trt 4 - 2 gal/acre at bloom, petal fall, 1st cover, 2nd cover

Agro-Best 9-24-3 Trt 5 - 1 gal/acre at bloom, petal fall, 1st cover, 2nd cover - used as a commercial standard phosphorus treatment.

All treatments received the same soil applied fertility.



LSD (0.1) 34 bu/a

Conclusions:

- All Pro-Germinator, spring-uP, and the combination provided higher overall yield than the no foliar check.
- Foliar application of spring-uP provided the highest yield and total dollars revenue per acre (\$8287) of the Agroliquid treatments, and had the highest value per bushel (\$10.30) in the trial.
- Foliar application of spring-uP was comparable to Agro-Best 9-24-3.
- Spring-uP is a good source of foliar applied phosphorus in apples. This result is consistent with research conducted by Reality Research in 2023.