



Foliar Fertilizer Economic Challenge Double Crop Soybeans

Henderson Farms, AL

Experiment Info	
Planted:	
Harvested:	
Yield Goal:	
Variety:	
Pop.:	
Row Width:	
Prev. Crop:	
Plot Size:	
Reps:	

Objective:

In 2025 we did economic challenge plots with XtremeAg to see how three growers from different parts of the country build a fertility program using a set application method and budget. In Alabama we compared R3 foliar applications on soybeans with a \$40/A fertility budget. Programs are below:

Chad (AL): 1 gal fertiRain, 1 gal Kapitalize, 1 qt Zn, 1 qt B, 1 qt Mn, 1 qt Mo

Matt (AR): 1 gal NResponse, 0.4 gal LiberateCa, 2 qt Sure-K, 1 qt Mg, 1 qt Micro 500, 1 qt B

Temple (MD): 1.6 gal SpringuP, 1.2 gal Kapitalize, 1.5 qt Fe, 1 qt LiberateCa, 1 pt eNhance

Soil Test (ppm)	
pH:	6.1
CEC:	7.6
%OM:	2.5
Bray P1:	93
Bicarb P:	
K:	368
S:	36
%K:	
%Mg:	
%Ca:	
%H:	
Zn:	9.3
Mn:	663
B:	1.66

Foliar Soybean Economic Challenge Henderson Farms, Alabama: 2025

Fertilizer Budget \$40/A	Treatment	Yield: bu/A	Profit	ROI
Fertilizer Timing Foliar @R3	Chad	56	\$570.40	15.4
	Matt	57	\$581.30	15.5
	Temple	57	\$581.30	15.5

*Profit and ROI is return over fertilizer program costs

Conclusions:

- All treatments yielded nearly the same. It is very hard to influence yield on double crop soybeans.
- Each grower developed a program that fit their local experiences.
- Temple added phosphorus as he has seen success with it on his home operation.
- Matt took a multi nutrient approach as well as added Mg which is a challenging nutrient to work with.
- Chad focused mostly on micronutrients.
- Key take home for all these trials is there are a number of ways to get to the same yield end point. Utilize good agronomist practices as well as efficient products to help get top yield.