



# 2x2 Fertilizer Economic Challenge in Soybeans

Matthews Family Farm, NC

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

## Objective:

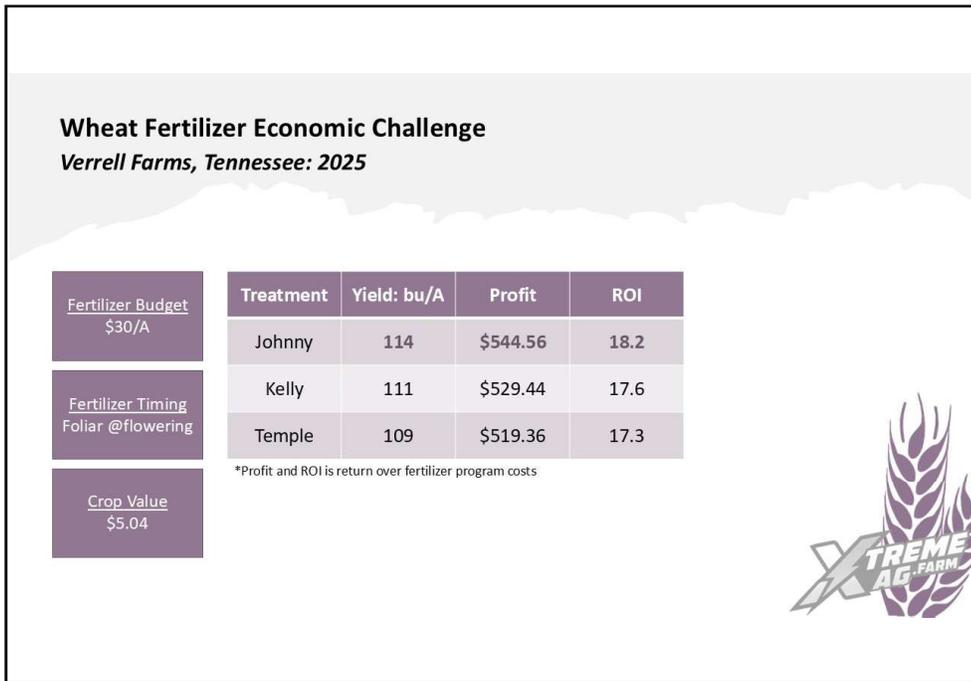
In 2025 we did economic challenge plots with XtremeAg to see how three growers from different parts of the country build a fertility program using a set application method and budget. In Tennessee we compared foliar applications on wheat with a \$30/A fertility budget. Programs are below:

Johnny (TN): 1 gal fertiRain, 1 gal NResponse, 1 qt Micro 500, 1 pt B, 1 pt Mn

Kelly (IA): 1 gal NResponse, 1 qt LibCa, 1 pt Fulvic, 1 pt B, 1 pt Fe, 1 pt Mn, 1 pt Zn, 8 oz Cu, 4 oz Mo

Temple (MD): 1.5 gal NResponse, 1 gal SpringuP, 3 qt Kapitalize, 1 qt B, 22 oz accessS

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



## Conclusions:

- Johnny's earned top spot with highest yield of 114 bu/A and fertilizer investment return. His program took a simple multi-nutrient approach.
- Kelly's program focused heavy on micronutrients and yielded 111 bu/A.
- Temple had the lowest yield at 109 bu/A where his program focused on nitrogen and phosphorus.
- 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.