



# Foliar Fertilizer Timing Comparison in 15"- Soybeans ( 15-704 )

## Experiment Info:

Planted:	5/20/2015
Harvest:	10/18/2015
Yield Goal:	60 bu/A
Target Fert.:	0-43-124
Variety:	22RD00
Population:	156,000
Row Width:	15"
Prev. Crop:	Corn
Plot Size:	15 x 265
Replications:	4
FOL (V4)	7/8/2015
FOL (R1)	7/28/2015
FOL (R3)	8/11/2015
FOL (R5)	8/21/2015

## Soil Test Values (ppm):

pH:	6.3
CEC:	14.9
%OM:	2.2
Bray P1:	16
Bicarb P:	-
K:	101
S:	11
%K:	1.7
%Mg:	16.9
%Ca:	70.2
%H:	10.8
Zn:	1.2
Mn:	6
B:	0.6

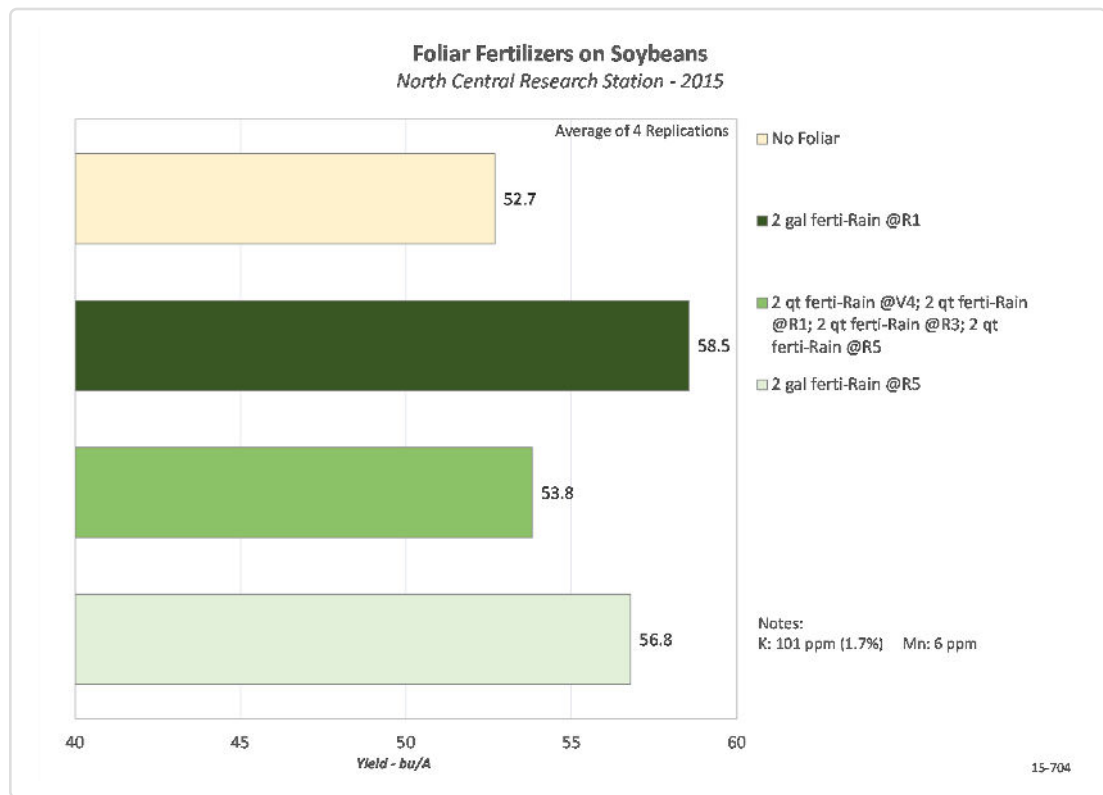
## Objective:

To evaluate ferti-Rain application timing applied foliar on soybeans.

Years of research at the NCRS has shown that foliar applications on soybeans should be applied between V4 and R1 depending on the row spacing. However, questions often arise on if there is a benefit to split applications or late applications. This experiment compared three different applications of ferti-Rain all applying a total volume of 2 gal/A.

Applications were made at R1, R5 or split into 4 - 2 qt applications at V4, R1, R3 and R5. Each was applied at a total spray volume of 10 gal/A and were applied broadcast with Turbo TeeJet nozzles.

Yield results appear on the chart below.



LSD(0.2)2.8, CV: 7.1%

## Conclusions:

- Delaying ferti-Rain application to R5 only slightly increased soybean yield.
- Splitting the 2 gal/A application into four applications did not provide any yield benefit and would have cost more time and money with applications costs.
- Best yield was achieved with a single application at the R1 growth stage, which follows the AgroLiquid recommendations and is consistent with past research results.