

Liquid Fertilizer Soybean Yield Challenge

EXPERIMENT INFO

Planted: 05/23/2016

Harvested: 10/05/2016

Variety: PS1670R2 with
CruiserMaxx

Population: 180,000
seeds/ac

Row Width: 10"

Prev. Crop: Corn

Plot Size: 30' x 1,590'

Replications: 3

SOIL DATA

pH: min: 6.1; max: 7.7

CEC: min: 5.7; max: 12.1

% OM: min: 2.5; max: 4.4

% P: min: 2.0; max: 4.0

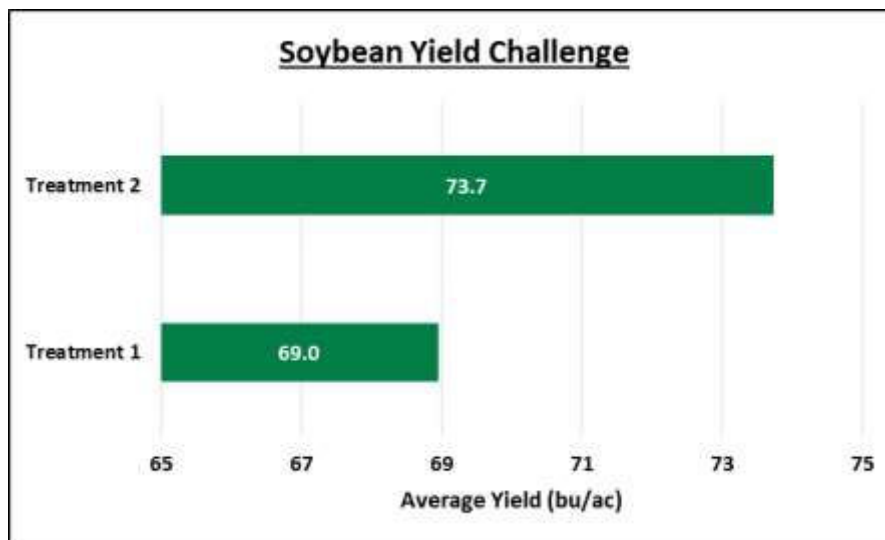
% K: min: 1.9; max: 3.9

% Mg: min: 9.4; max: 16.1

% Ca: min: 57.6; max: 87.4

Objective:

The industry is actively searching for fertilizer programs to boost soybean yields, as we are able to do with corn. We explored two foliar feeding programs in an attempt to boost soybean yields.



	Treatment 1	Treatment 2
1st app date	July 9 th	July 16 th
1st app stage	3 rd trifoliolate	4 th trifoliolate
1st app program	2 GPA Sure-K + 1 L/ac Micro 500	2 GPA Ferti-Rain
2nd app date	Aug. 8 th	Aug. 8 th
2nd app stage	Full pod	Full pod
2nd app program	0.12 L/ac Priaxor + 3 GPA Ferti-Rain	0.12 L/ac Priaxor + 3 GPA Ferti-Rain

Conclusions:

As with the foliar feeding trial on black beans, the strongest yield results came with the treatment of 2 GPA Ferti-Rain applied at the 4th trifoliolate stage and an additional 3 GPA Ferti-Rain applied at the full pod stage with the fungicide.