

Foliar Programs on Soybeans

EXPERIMENT INFO

Planted: 06/08/2019

Harvested: 10/11/2019

Cultivar: RX Laser with Fortenza (RM 1.3)

Population: 180,000 seeds/acre

Row Width: 7.5"

Prev. Crop: Corn

Plot Size: 90' x 975'

Replications: 2

Foliar Application

Date: 08/03/2019

Soybean Stage: R1

Temperature: 72 F

Humidity: 59%

Soil Data

pH: 5.9 – 7.9

CEC: 4.3 – 13.2

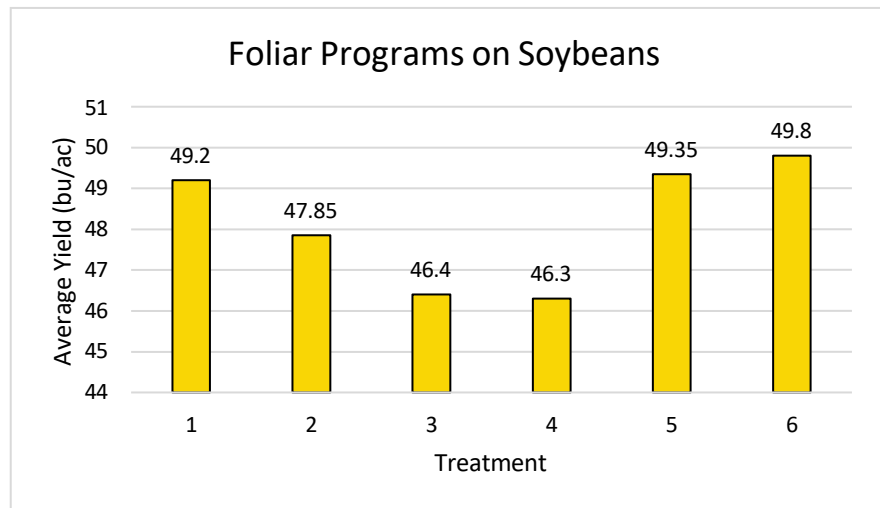
% OM: 0.7 – 2.7

%P: 5 – 30

% K: 0.9 - 6.7

% Mg: 4.7 – 20.3

% Ca: 36.3 – 94.1



Treatments

1. Untreated check
2. 3 GPA FertiRain
3. 2 GPA NResponse + 1 L/ac eNhance + 1 L/ac Magnesium
4. 1 GPA FertiRain + 2 GPA N-Response + 1 L/ac eNhance + 1 L/ac Magnesium
5. 1 L/ac Micro 1000 + 1 GPA Sure-K
6. 2 L/ac Micro 1000 + 1 GPA Sure-K

Conclusion: The foliar program of 2 L/ac Micro 1000 + 1 GPA Sure-K produced the highest yield of **49.8 bu/ac**. When tissue samples were taken two weeks after foliar fertilizer application, the only treatment showing potassium deficiency was the untreated check. Overall, these were strong yields for the year and late planting date, despite not seeing significant treatment differences.

Notes: The foliar fertilizer was applied with Turbo TeeJet Induction nozzles, which produce ultra course droplets. These nozzles were not best suited for foliar fertilizer applications and perhaps affected the efficacy of the products applied.