

EXPERIMENT INFO

Planted: 05/17/2019

Harvested: 10/11/2019

Cultivar: RX Stacatto with Fortenza (RM 1.8)

Population: 180,000 seeds/acre

Row Width: 7.5"

Prev. Crop: Corn

Plot Size: 90' x 417'

Replications

Treatment 1 & 2: 2 reps

Treatment 3 & 4: 3 reps

Foliar Application

Date: 08/07/2019

Soybean Stage: R3

Temperature: 73 F

Humidity: 63%

Soil Data

pH: 6.5 – 7.5

CEC: 5.0 – 8.2

% OM: 1.2 – 2.5

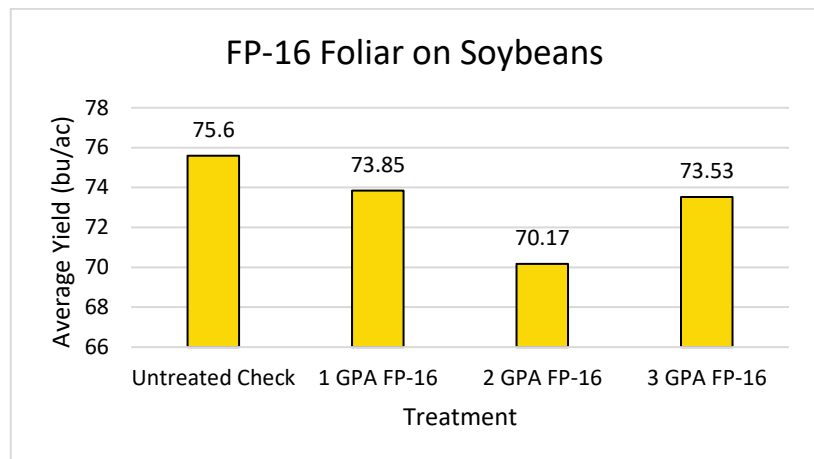
%P: 5 - 23

% K: 1.9 - 9.7

% Mg: 10.4 – 18.2

% Ca: 58.9 – 86.3

FP-16 Foliar on Soybeans



The field was seeded with a rye cover crop in the fall of 2018; it was controlled in a pre-plant burndown of 1 L/ac of Roundup and 0.5 L/ac of Xtendimax.

Prior to the foliar application, the tissue test showed that phosphorus levels were sufficient. In subsequent tissue tests, conducted 10 days after the foliar applications, the phosphorus levels increased in the soybeans which received FP-16. The soybeans became deficient in potassium over this period, which may have limited yields.

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.