Field Evaluation of Foliar Potassium Application in Soybeans

EXPERIMENT INFO

Planted: 06/02/2025

Cultivar: Cyclone R2X (RM 1.5)

Population: 180,000 seeds/acre

Row Width: 7.5”

Prev. Crop: Corn

Plot Size: 30’ x 3,600’

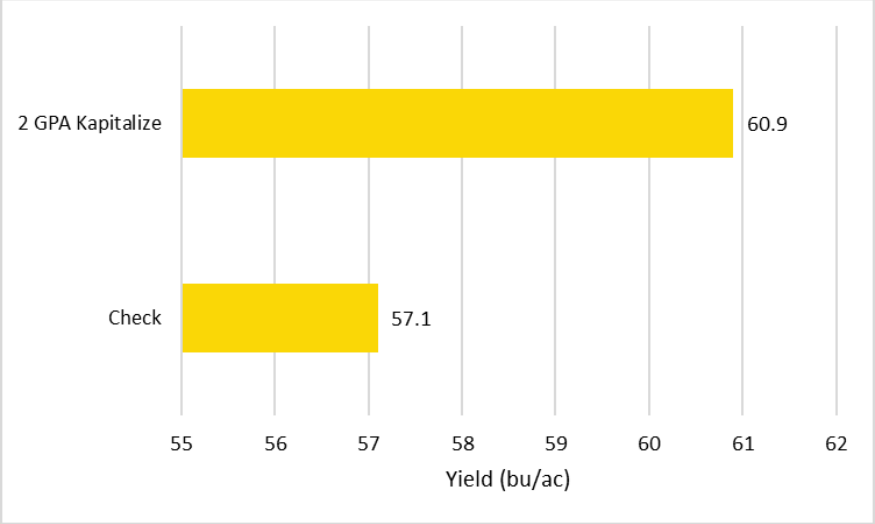
Replications: 3

Foliar Application
Date: 07/27/2025

Harvested: 10/17/2025

Soil Data
pH: 7.0 – 7.5
CEC: 5.7 –14.3
% OM: 2.7 – 4.3
P: 20 – 34 ppm
% K: 1.2 – 2.3
% Mg: 11.4 – 15.5
Ca: 1540 – 1780 ppm

Potassium supports water regulation, photosynthesis, and overall plant health in soybeans. Adequate potassium levels help improve plant vigor, strengthen stems, and enhance the plant’s ability to tolerate stress such as drought or disease. Potassium is also important for seed development and can contribute to improved yield and seed quality. In situations where soil potassium levels are limited or crop demand is high, foliar potassium applications can provide a supplemental nutrient source during the growing season. While foliar applications do not replace soil-applied potassium, they can help address short-term deficiencies and support plant performance during critical growth stages.



The Kapitalize treatment yielded an **additional 3.8 bushels** over the check.