



Performance Acre™ - Soybean Balanced Crop Nutrition

Objective

- Evaluate soybean yield response to MAP (11-52-0) + MOP (0-0-60) and a combination of MicroEssentials® S10® (12-40-0-10S) + Aspire® (0-0-58-0.5B).

Overview

- Phosphorus (P) and potassium (K), along with sulfur (S) and boron (B), are essential nutrients needed for a balanced crop nutrition program in soybeans.
- MicroEssentials S10 supplies multiple nutrients fused into one nutritionally balanced granule, promoting uniform nutrient distribution, increased nutrient uptake, two forms of S for season-long availability and higher yields.
- Aspire combines potash along with two forms of B (fast and slow release) in every granule for uniform distribution, season-long B availability, and a flexible application window.



LOCATIONS: 5 trials across the following states - KS, MO, NE,

Trial Details

Locations and Crop Management:

CROP: Soybean (*Glycine max*)

YEARS: 2019-2020

DATA SOURCE: Field studies conducted by third-party, independent researchers.

EXPERIMENTAL DESIGN: Small-plot RCBD with 4 replications.

Cropping conditions:

All trials conformed to local cropping practices

P Rate: 40 lbs P₂O₅/ac applied as MAP or MicroEssentials S10

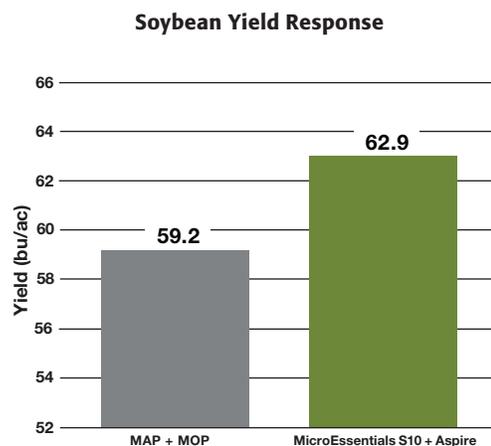
K Rate: 60 lbs K₂O/ac applied as MOP or Aspire

S Rate: 10 lbs S/ac applied as a blend of MicroEssentials S10

Application Timing: Spring Preplant

Application Method: Broadcast Incorporated

Results



MicroEssentials®

Aspire®

3.7
bu/ac

Increased yield with
MicroEssentials S10 +
Aspire over MAP + MOP

Mosaic®

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Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

WARNING: Contains boron. Use of boron may result in crop injury. DO NOT place this product in direct contact with the seed.

For more information, go to croppnutrition.com.

SoybBCN19-20

Summary

- Soybean yield increased with the addition of S and B.
- MicroEssentials S10 + Aspire increased soybean yield 3.7 bu/ac over MAP + MOP.
- Higher yields with the Performance Acre demonstrate the value of a variety of macro- and micronutrients, uniform nutrient distribution, increased nutrient uptake, and two forms of S (sulfate and elemental) and B (sodium and calcium borate) for a balanced crop nutrition program in soybeans.