

SOYBEAN

Trial Details

YEARS: 2016-2018

third-party researchers.

Cropping conditions:

K Rate: As required by soil test

Application Timing: Spring Preplant

4 replications.

(12-40-0-10S)

Locations and Crop Management:

LOCATIONS: 22 trials - AR, IL, IN, MI, OH, ON, WI

EXPERIMENTAL DESIGN: Small-plot RCBD with

• All trials conformed to local cropping practices

MAP+AS (21-0-0-24) or MicroEssentials S10

P Rate: 40 lbs P_2O_5 /ac applied as MAP (11-52-0),

S Rate: 10 lbs S/ac from AS or MicroEssentials S10

Application Method: Broadcast incorporated

DATA SOURCE: Field studies conducted by independent

CROP: Soybean (Glycine max)



MicroEssentials® S10® — Soybean Study

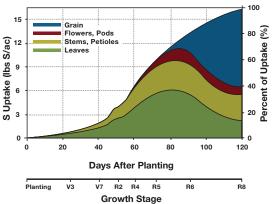
Objective

 Evaluate the yield response of soybean to MAP (11-52-0), MAP + AS (21-0-0-24S), and MicroEssentials® S10® (12-40-0-10S).

Overview

- Monoammonium phosphate (MAP) is a common phosphorus source used on soybean.
- New university research highlights the need for sulfur (S)
 management on soybean due to higher grain yields and
 lower atmospheric deposition. Data also emphasizes the
 need for S during both vegetative and reproductive
 growth (See Figure 1).
- MicroEssentials S10 supplies multiple nutrients fused into one nutritionally balanced granule, promoting uniform nutrient distribution, increased nutrient uptake, season-long S availability and higher yields.

/Ac Results



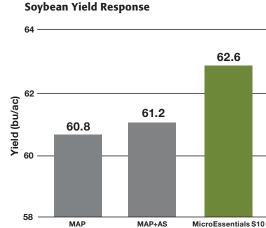


Figure 1: Sulfur Uptake in Soybean - 60 Bu/Ac



• Soybean yields increased with the addition of S.

Bender et al., 2015. Better Crops with Plant Food (99:7-10)

- Averaged across 22 site-years, MicroEssentials S10 increased soybean yield by 1.8 bu/ac over MAP and 1.4 bu/ac over MAP+AS.
- This research demonstrates the additional soybean yield from applying a superior phosphate source that contains two forms of S (sulfate and elemental).
- MicroEssentials S10 demonstrates the value of uniform nutrient distribution, increased nutrient uptake, and season-long S availability.

Micro**Essentials**

1.8 bu/ac

Increased yield with
MicroEssentials S10 over MAP



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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.

For more information, go to **MicroEssentials.com**. SoybFRP-SFS 16-18