



Aspire® Soybean High-Yield Management



Objective

- Evaluate the yield response of Aspire® (0-0-58-0.5B) compared to MOP (0-0-60) in high-yield soybean management systems.

Overview

- High-yield management practices for soybean (crop protection, full-season variety, increased seeding rate, etc.) have heightened the need for balanced crop nutrition.
- MOP is commonly used as a potassium (K) source in soybean production.
- Micronutrients such as boron (B) are essential for plant growth and often overlooked in the effort to achieve balanced crop nutrition.
- Granular B products can be blended with K, but application of these blends leads to undesirable distribution.
- Aspire is the first-of-its-kind micronutrient-enhanced potash fertilizer. Formed using Nutriform® technology, Aspire combines K and B in each granule to help achieve uniform nutrient distribution.

Trial Details

Locations and Crop Management:

CROP: Soybean (*Glycine max*)

YEARS: 2015–2016

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

EXPERIMENTAL DESIGN: Small-plot RCBD with 4 replications.

CROPPING CONDITIONS:

• **P Rate:** 50 lbs P₂O₅/ac

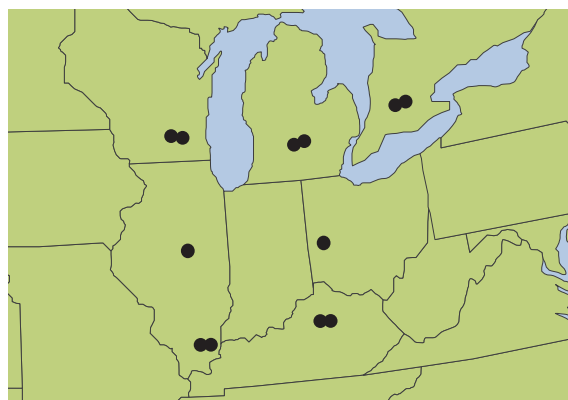
• **K Rate:** 120 lbs K₂O/ac

• **B Rate:** 1 lb B/ac

• **Application Timing and Method:** Preplant broadcast incorporated

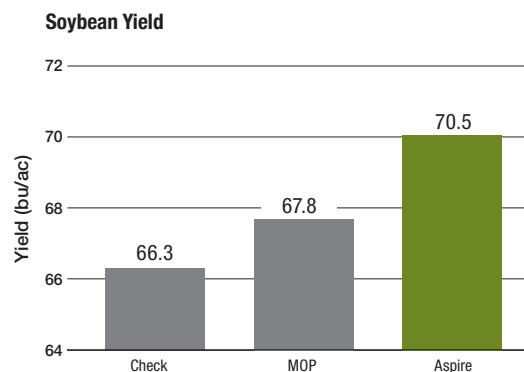
2.7
 bu/ac

Increase with Aspire over MOP



LOCATIONS: 12 trials across the U.S. and Canada
 United States – IL, KY, MI, OH, WI
 Canada – ON

Results



Summary

- The application of K and K + B both resulted in increased soybean yield.
- MOP outyielded the check by 1.5 bu/ac (2.3%).
- Aspire outyielded MOP by 2.7 bu/ac (4.0%).
- These results demonstrate the benefits of Aspire to maximize soybean yield.



©2017 The Mosaic Company. All rights reserved. AgriFacts, Aspire and Nutriform are registered trademarks of The Mosaic Company.

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 AspirePotash.com.

SoybBCN-6847