




SOYBEAN

Aspire® Soybean Fertility

Objective

- Evaluate the yield response of Aspire® (0-0-58-0.5B) compared to MOP (0-0-60) and an MOP + boron blend.

Overview

- MOP is commonly used as a potassium (K) source in soybean production.
- Micronutrients such as boron (B) are essential for plant growth and are often overlooked in efforts to balance crop nutrition.
- Granular B products can be blended with K, but application leads to undesirable distribution.
- Aspire is the first-of-its-kind micronutrient-enhanced potash fertilizer. Formed using Nutriform® technology, Aspire with Boron combines potassium and boron in each granule to help achieve balanced crop nutrition.

Trial Details

Locations and Crop Management:

CROP: Soybean (*Glycine max*)

YEARS: 2011–2013

LOCATIONS: 43 trials across the U.S. and Canada
 United States – AL, AR, DE, GA, IA, IL, IN, KS, KY, LA, MN, MO, MS, NC, NE, OH, SC, SD, TX, WI
 Canada – MB, ON

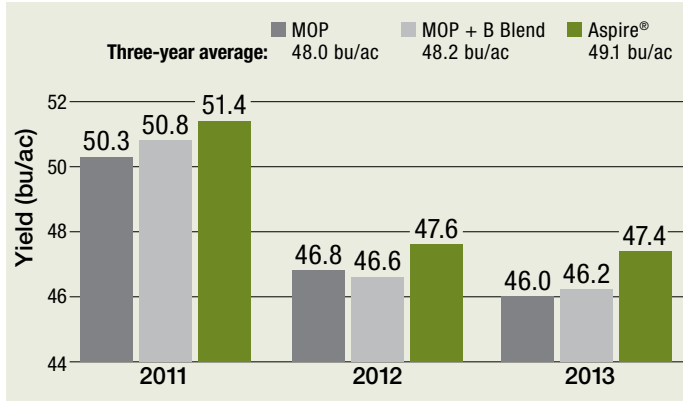
DATA SOURCE: Field studies conducted by third-party, independent researchers.

EXPERIMENTAL DESIGN: Small-plot RCBD with 4 replications.

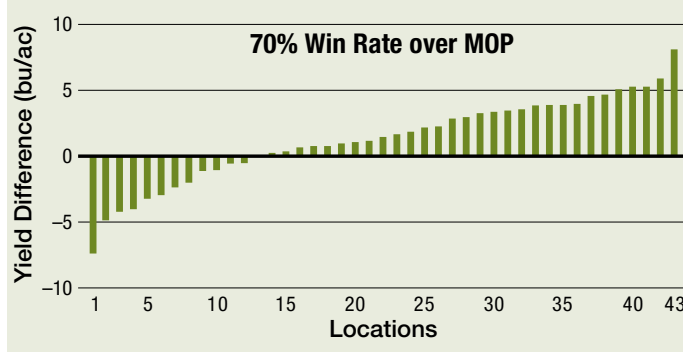
CROPPING CONDITIONS: Trials conformed to local cropping practices.

- **P Rate:** As required by soil test
- **K Rate:** 60 lbs K₂O/ac
- **B Rate:** 0.5 lb B/ac
- **Application Timing:** Preplant
- **Application Method:** Broadcast incorporate

Yield



Average Yield Advantage of Aspire® over MOP Across 3 Years



Summary

- Aspire outyielded MOP by 1.1 bu/ac in 2011, 0.8 bu/ac in 2012 and 1.4 bu/ac in 2013.
- Across 43 site-years, Aspire outyielded MOP by 1.1 bu/ac (2.3%) and the MOP + B blend by 0.9 bu/ac (1.9%).
- Averaged across 3 years, Aspire demonstrated a 70% win rate over MOP.
- The higher yield achieved with Aspire shows the value of boron and uniform nutrient distribution.



1.1
bu/ac

Increase with Aspire over MOP

70%

Win Rate over MOP



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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 AspirePotash.com.