



CORN

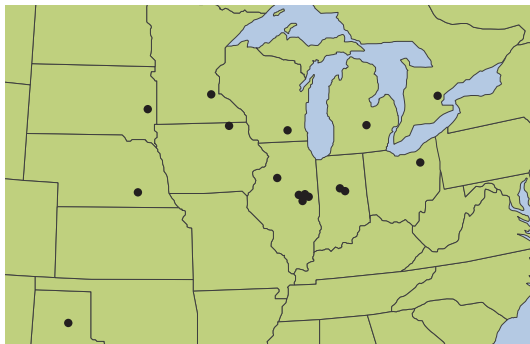
# Aspire® High-Yield Management Corn

## Objective

- Evaluate the yield response of Aspire® with Boron (0-0-58-0.5B) against MOP (0-0-60) under high-yield management systems.

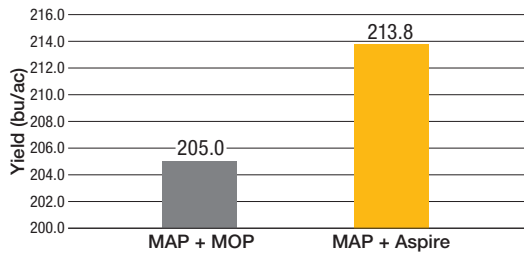
## Overview

- High-yield management practices including stacked-trait hybrid technology, increased seeding rates, strobilurin fungicide applications and split applications of nitrogen have highlighted the need for balanced crop nutrition.
- Micronutrients such as boron (B) are crucial for cell growth and reproductive development stages to increase yield.
- Other research has shown that phosphorus (P) and potassium (K) fertilizers containing micronutrients in a single granule provide increased nutrient distribution and crop nutrient uptake compared to conventional fertilizer blends.
- Aspire is the first-of-its-kind micronutrient-enhanced potash fertilizer. Manufactured using Nutriform® technology, Aspire premium potash combines K and B in each granule to help achieve balanced crop nutrition.

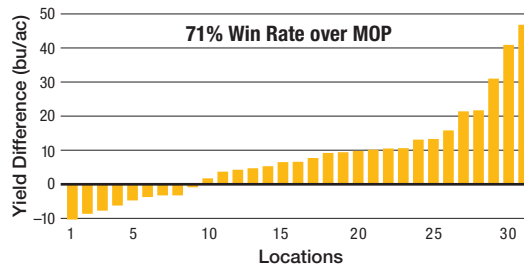


**LOCATIONS:** 31 trials across the U.S. and Canada  
**United States** – IA, IL, IN, MI, MN, NE, OH, SD, TX, WI  
**Canada** – ON

## Yield



## Average Yield Advantage of Aspire over MOP Across 4 Years



## Trial Details

**CROP:** Corn (*Zea mays*)

**YEARS:** 2011–2014

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

**EXPERIMENTAL DESIGN:** Small-plot RCBD with 4 replications.

### CROPPING CONDITIONS:

- **Hybrid:** Stacked-trait technology
- **Planting Rate:** 40K–45K seeds/ac
- **Fungicide:** Applied at pollination
- **Application Timing:** Preplant
- **Application Method:** Broadcast incorporate.

## Summary

- Aspire outyielded MOP by 9.5 bu/ac in 2011, 10.0 bu/ac in 2012, 9.4 bu/ac in 2013 and 4.5 bu/ac in 2014.
- On average, corn yields increased by 8.8 bu/ac (4.3%) when Aspire was compared to MOP.
- Across 31 sites and 4 years, Aspire demonstrated a 71% win rate over MOP.
- Growing conditions varied greatly across the 4 years of study, but Aspire showed a yield advantage in all years.
- The results demonstrate the benefits of boron and uniform nutrient distribution in a high-yield management system.



**8.8**  
 bu/ac

Corn yield increase compared to MOP

**71%**

Win rate of Aspire 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](http://AspirePotash.com).

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