**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.

**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**
- 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.

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

**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).