Mosaic® AgriFacts®

CORN

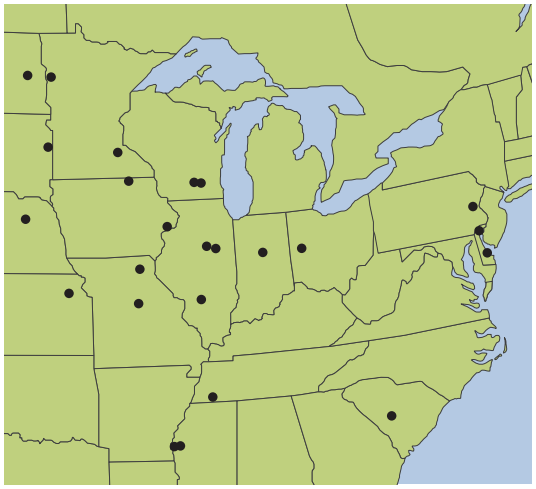
Aspire® Corn — Spring Broadcast

Objective

- Evaluate the yield response of corn to potassium (K) using MOP (0-0-60) and Aspire® (0-0-58-0.5B) in a spring broadcast application.

Overview

- MOP is commonly used as a potassium (K) source in corn production.
- Micronutrients such as boron (B) are essential to maximize plant growth and yield, but are often overlooked in balanced crop nutrition.
- Aspire is a superior B delivery source that includes two forms of B to deliver season-long availability and a more flexible application window.
- The fast- and slow-release forms of B within Aspire provide the corn crop with both early- and late-season needs.



LOCATIONS: 29 trials across the following states - DE, IA, IL, IN, KS, MN, MO, MS, ND, NE, OH, PA, SC, SD, TN, WI

Trial Details

Locations and Crop Management:

CROP: Corn (*Zea mays*)

YEARS: 2017-2018

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

EXPERIMENTAL DESIGN: Small-plot RCBD with 4 replications.

Treatments:

- Control (N+P)
- MOP (0-0-60)
- Aspire (0-0-58-0.5B)

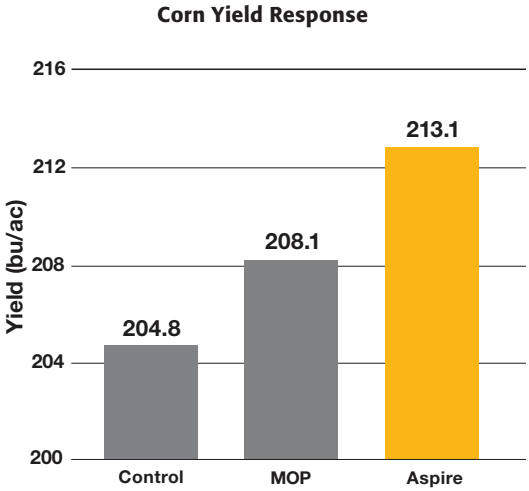
P Rate: 80 lbs P_2O_5/ac as MAP or DAP

K Rate: 60 lbs K_2O/ac as MOP or Aspire

Application Timing: Spring Preplant

Application Method: Broadcast incorporated

Results



Summary

- Corn yields increased with the addition of K and B.
- The addition of MOP provided a 3.3 bu/ac yield increase.
- Averaged across 29 site-years, Aspire with B yielded 5 bu/ac higher than MOP, demonstrating the benefits of uniform nutrient distribution and two forms of boron for season-long boron availability.

Aspire®

5.0 bu/ac

Increased yield with Aspire over MOP

Mosaic®

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 **AspireBoron.com.**

CornFRK_17-18