



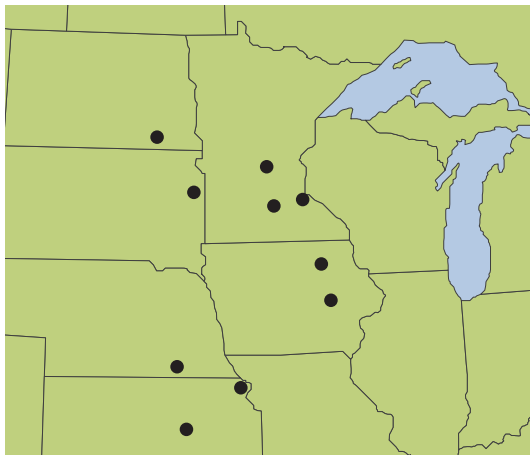
Performance Acre™ - Corn Balanced Crop Nutrition

Objective

- Evaluate corn yield response to Aspire® (0-0-58-0.5B) and a combination of Aspire + K-Mag® Premium (0-0-21.5-10.5Mg-21S).

Overview

- Phosphorus (P) and potassium (K), along with sulfur (S), magnesium (Mg), and boron (B), are essential nutrients needed for a balanced crop nutrition program in corn.
- Aspire combines potash along with two forms of B (fast and slow release) in every granule for uniform distribution, season-long B availability, and a flexible application window.
- K-Mag is a unique 3-in-1 nutrient source that features low chloride, water soluble nutrients, and does not affect soil pH; regardless of application rate.



LOCATIONS: 11 trials across the following states - IA*, KS, MN, ND, NE, SD

Trial Details

Locations and Crop Management:

CROP: Corn (*Zea mays*)

YEARS: 2020-2021

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

EXPERIMENTAL DESIGN: Small-plot RCBD with 4 replications.

Cropping conditions:

All trials conformed to local cropping practices

N Rate: Applied according to local recommendations

P Rate: 80 lbs P₂O₅/ac applied across all treatments as MAP (11-52-0) or DAP (18-46-0)

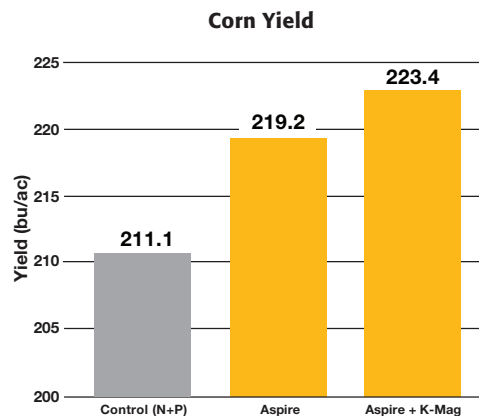
K Rate:

- 2020: 60 lbs K₂O/ac as Aspire or Aspire (50) + K-Mag (10)
- 2021: 50 lbs K₂O/ac as Aspire or Aspire (40) + K-Mag (10)

Application Timing: Preplant

Application Method: Broadcast Incorporated

Results





4.2
bu/ac

Increased yield with
Aspire + K-Mag over Aspire



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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 croppnutrition.com.

CornFRK20-21

Summary

- Addition of Aspire increased corn yield 8.1 bu/ac compared to the control (N+P).
- Replacing a small amount of Aspire with K-Mag increased corn yield by 4.2 bu/ac over Aspire averaged across 11 trials (2020-2021).
- Higher yields with the Performance Acre demonstrate the value of uniformly distributed macro- and micronutrients for a balanced crop nutrition program in corn.
- Access additional yield data, technical information, and resources at CropNutrition.com

*New Hampton, Iowa had two separate trial sites.