



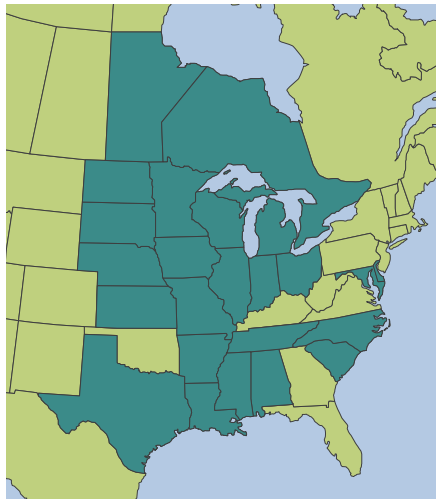
# MicroEssentials® SZ® vs. MAP Blend

## Objective

- Evaluate the yield response of corn to MicroEssentials® SZ® (12-40-0-10S-1Zn) compared to MAP (11-52-0) + AS (21-0-0-24S) + ZnSO<sub>4</sub> (0-0-0-16S-36Zn).

## Overview

- MAP is a common phosphorus (P) fertilizer used in corn-growing regions of North America and is the “base” for many blends.
- In addition to nitrogen (N), P and potassium (K), corn is very responsive to sulfur (S) and zinc (Zn).
- MicroEssentials SZ contains N, P, S and Zn fused into one nutritionally balanced granule, creating a single course for balanced crop nutrition.



**LOCATIONS:** 66 trials across U.S. and Canada  
 United States: AL, AR, DE, IA, IL, IN, KS, LA, MD, MI, MN, MO, MS, NC, ND, NE, OH, SC, SD, TN, TX and WI  
 Canada: MB and ON

## Trial Details

### Locations and Crop Management:

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

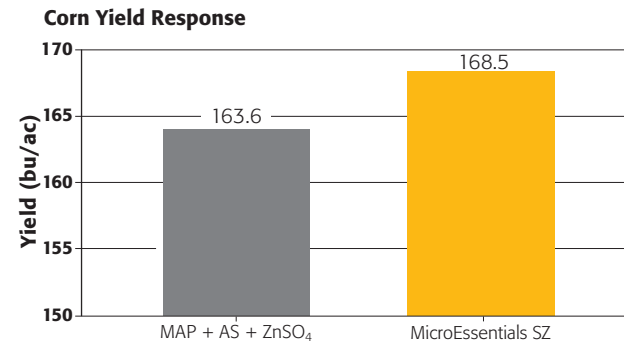
**YEARS:** 2008–2013

**DATA SOURCE:** Field studies conducted by university and/or third-party, independent researchers.

### CROPPING CONDITIONS:

- **P Rate:** 65–90 lbs P<sub>2</sub>O<sub>5</sub>/ac  
– Balanced across treatments
- **Zn Rate:** MAP blend – 5 lbs Zn/ac

## Results



## Summary

- MicroEssentials SZ outperformed MAP + AS + ZnSO<sub>4</sub> by 4.9 bu/ac (3.0%) on average, across all locations.
- Access additional yield data, and calculate your ROI potential at [MicroEssentials.com/Performance](http://MicroEssentials.com/Performance).

## Delivering the Best All Season Long.

MicroEssentials is uniquely designed to deliver nutrients evenly across the field, while delivering more value by increasing nutrient uptake. Plus, while most blends and sulfur-enhanced fertilizer products contain sulfate sulfur alone, MicroEssentials delivers season-long sulfur availability through its combination of both sulfate and elemental sulfur.



**4.9  
bu/ac**

Increase with MicroEssentials SZ over MAP + AS + ZnSO<sub>4</sub>



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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.

For more information, go to [MicroEssentials.com](http://MicroEssentials.com).