MicroEssentials® SZ™ vs. MAP

Objective
• Evaluate the yield response of corn to MicroEssentials® SZ™ (12-40-0-10S-1Zn) compared to MAP (11-52-0).

Overview
• MAP is a common phosphorus (P) fertilizer used in corn-growing regions of North America.
• 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 source for balanced crop nutrition.

Trial Details
Locations and Crop Management:
CROP: Corn (Zea mays)
YEARS: 2004–2013
DATA SOURCE: Field studies conducted by university and/or third-party, independent researchers.
CROPPING CONDITION:
• P Rate: 65–90 lbs P₂O₅/ac
  – Balanced across all treatments

Results
Corn Yield Response

<table>
<thead>
<tr>
<th>Yield (bu/ac)</th>
<th>MAP</th>
<th>MicroEssentials SZ</th>
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</thead>
<tbody>
<tr>
<td>155</td>
<td>164.9</td>
<td>172.1</td>
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<td>160</td>
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<td>170</td>
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<td>175</td>
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Summary
• MicroEssentials SZ outperformed MAP by 7.2 bu/ac (4.4%), on average, across all locations.
• Access additional yield data, and calculate your ROI potential at 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.