



Spring Wheat Response to MicroEssentials® SZ™

Objective

- Evaluate the yield response of spring wheat to treatments of MAP (11-52-0) and MicroEssentials® SZ™ (12-40-0-10S-1Zn).

Introduction

- Spring wheat is a common crop grown in the northern Great Plains and Western Prairie Provinces of Canada.
- MAP is commonly used as a phosphorus fertilizer source applied to spring wheat.
- MicroEssentials SZ provides uniform nutrient distribution of N-P-S-Zn, including a season-long sulfur supply.

Trial Details

Locations and Crop Management:

CROP: Spring Wheat (*Triticum aestivum*)

YEAR: 2014

LOCATIONS: 5 trials across the U.S. and Canada.
 United States: MN, MT, ND
 Canada: AB and SK

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

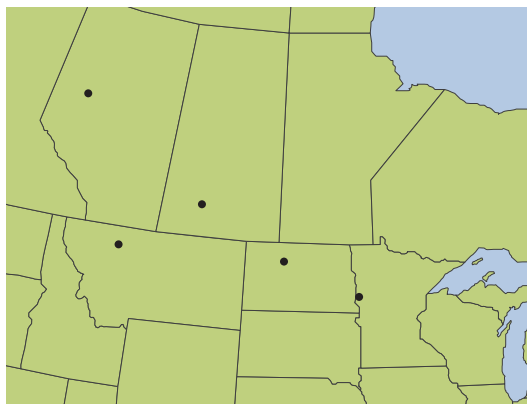
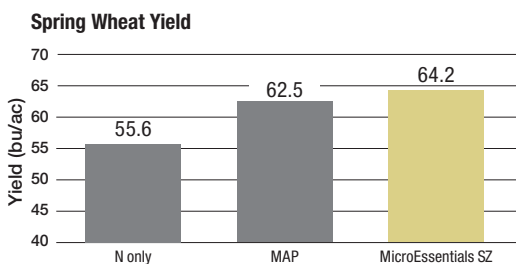
EXPERIMENTAL DESIGN: Small-plot RCBD with 4 replications.

CROPPING CONDITIONS:

- Trials conformed to local cropping practices.
- P treatments balanced at 40 lbs P₂O₅/ac
- Application Timing: Preplant
- Application Method: Broadcast



Results



Summary

- MAP treatments showed a 6.9 bu/ac yield advantage over N only.
- MicroEssentials SZ increased yield by 8.6 bu/ac over N only and 1.7 bu/ac (2.7%) over MAP.
- This research demonstrates the need for sulfur and zinc, delivered by MicroEssentials Fusion® technology in a spring wheat cropping system.

MicroEssentials®

8.6
 bu/ac

MicroEssentials SZ yield increase over N only

1.7
 bu/ac

MicroEssentials SZ yield increase over MAP

Mosaic®

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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.

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