

Mosaic® AgriFacts®



DURUM WHEAT

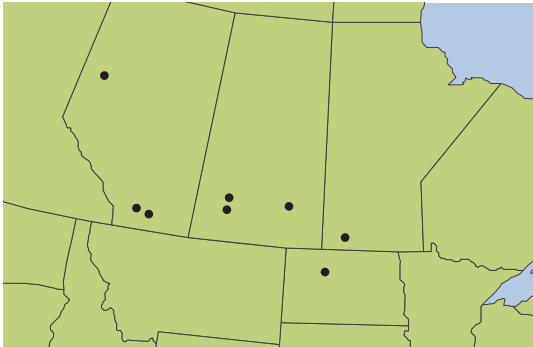
MicroEssentials® SZ™ Durum Wheat Fertility

Objective

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

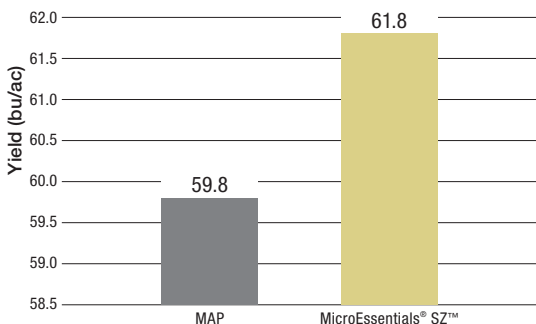
Overview

- Durum 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 durum wheat.
- Durum wheat is known to be responsive to zinc fertility.
- MicroEssentials SZ provides N, P, S and Zn in one nutritionally balanced granule.



LOCATIONS: 16 trials across the U.S. and Canada
 United States – ND
 Canada – AB, MB, SK

Yield



Trial Details

Locations and Crop Management:

CROP: Durum Wheat (*Triticum durum*)

YEARS: 2010–2013

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 Rate: 40 lbs P₂O₅/ac

• K Rate: As required by soil test.

• Application Timing: Preplant

• Application Method: Broadcast incorporate



Zinc deficiency in wheat

Summary

- Averaged across 4 years and 16 replicated trials, MicroEssentials SZ outyielded MAP by 2.0 bu/ac (3.3%).
- This data demonstrated a significant yield response to the sulfur and zinc found in MicroEssentials SZ.
- MicroEssentials SZ provides uniform nutrient distribution, increased phosphorus uptake, season-long sulfur availability, as well as zinc nutrition for additional yield and return on investment.

MicroEssentials



2.0 bu/ac

Increase with MicroEssentials SZ over MAP



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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.