

Mosaic® AgriFacts®

DURUM WHEAT



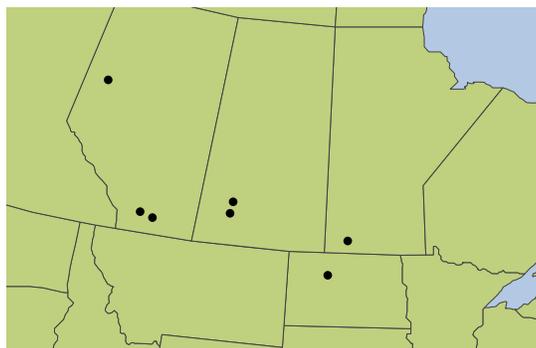
MicroEssentials® S15™ Durum Wheat Fertility

Objective

- Evaluate the yield response of MicroEssentials® S15™ (13-33-0-15S) in durum wheat compared to MAP (11-52-0).

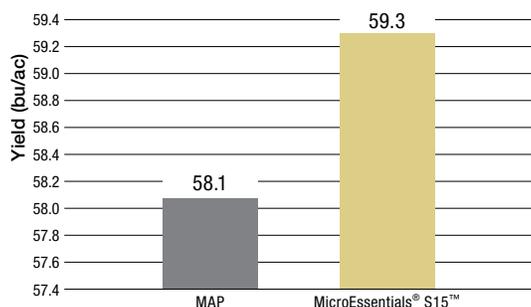
Overview

- 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.
- In wheat, sulfur and nitrogen are needed in a proper balance for desirable milling and baking qualities.
- MicroEssentials S15 provides N, P and S in one nutritionally balanced granule.



LOCATIONS: 12 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: 2010–2012

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

• **Application Timing:** Preplant

• **Application Method:** Broadcast incorporate



Sulfur deficiency in wheat

Summary

- Averaged across 3 years and 12 replicated trials, MicroEssentials S15 outyielded MAP by 1.2 bu/ac.
- This data demonstrated a statistically significant yield response to the sulfur in MicroEssentials S15.
- MicroEssentials S15 provides uniform nutrient distribution, increased phosphorus uptake and season-long sulfur availability for additional yield and return on investment.

MicroEssentials®

1.2
bu/ac

Increase with MicroEssentials S15 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.