

Mosaic® AgriFacts®



CANOLA

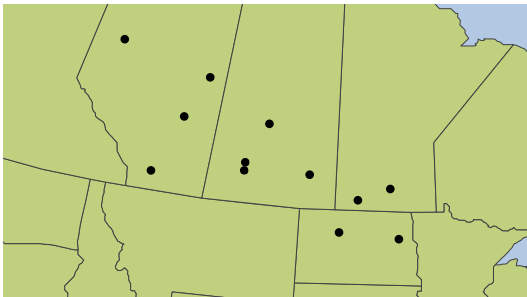
MicroEssentials® S15™ Canola Fertility

Objective

- Evaluate the yield response of canola to MicroEssentials® S15™ (13-33-0-15S) compared to a MAP (11-52-0) + AS (21-0-0-24S) blend.

Overview

- Proper applications of phosphorus (P) and sulfur (S) are critical for optimum canola yields.
- A blend of MAP + AS (ammonium sulfate) is commonly used as a primary fertilizer source in canola-growing regions of North America.
- MicroEssentials S15 (13-33-0-15S) is a proprietary fertilizer that combines nitrogen (N), phosphorus (P) and sulfur (S) fused into one nutritionally balanced granule.
- Growing conditions in North Dakota and the Canadian Prairie Provinces varied greatly across 2011, 2012 and 2013.



LOCATIONS: 24 trials across the U.S. and Canada
United States – ND Canada – AB, MB, SK

Trial Details

Locations and Crop Management:

YEARS: 2011–2013

CROP: Canola (*Brassica napus*)

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

EXPERIMENTAL DESIGN: Small-plot RCBD with 4 replications.

CROPPING CONDITIONS:

• **P Rate:** 33 lbs P₂O₅/ac

• **S Rate:** 15 lbs S/ac

• **Application Timing and Method:** Fertilizer was applied with the seed at planting.

Summary

- In 2011, 2012 and 2013, MicroEssentials S15 increased yield by 1.0 bu/ac, 1.6 bu/ac and 3.7 bu/ac, respectively.
- The 3.7 bu/ac (6.1%) yield advantage of MicroEssentials S15 in 2013 demonstrates its superior performance under excellent growing conditions.
- The three-year average across 24 trials shows the statistically significant yield advantage of 2.6 bu/ac with MicroEssentials S15 compared to MAP + AS. This data demonstrates the value of uniform nutrient distribution and season-long sulfur availability provided by MicroEssentials.

MicroEssentials®



3.7 bu/ac

Yield advantage with
MicroEssentials S15 in 2013

2.6 bu/ac

Three-year average with
MicroEssentials S15 compared
to MAP + AS



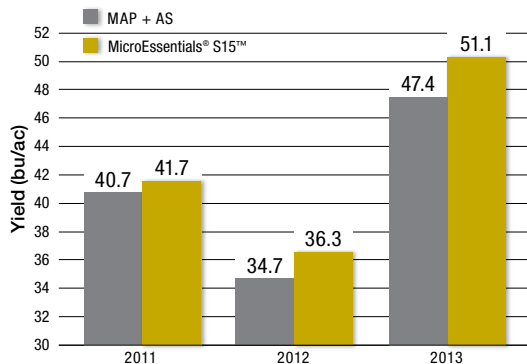
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Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

For more information, go to MicroEssentials.com.

Yield

Canola Yield by Year



Canola Yield (3-Year Average) by Fertilizer Source

