Mosaic® AgriFacts®

LONG-TERM CANOLA YIELD TRIALS

MicroEssentials® S15™ vs. MAP Blend

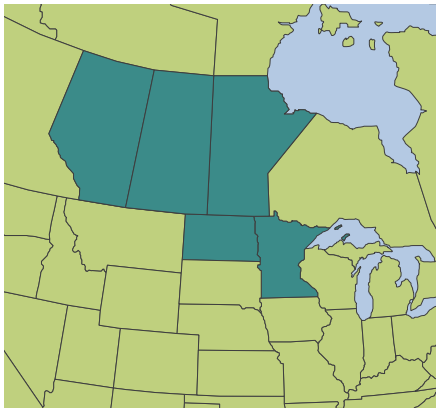
MicroEssentials

Objective

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

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 is a proprietary fertilizer that combines nitrogen (N), P and S fused into one nutritionally balanced granule.



LOCATIONS: 56 trials across the U.S. and Canada.
United States: MN and ND
Canada: AB, MB and SK

Trial Details

Locations and Crop Management:

CROP: Canola (*Brassica napus*)

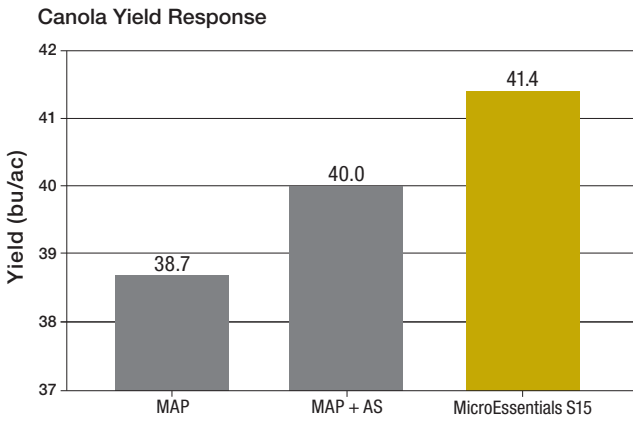
YEARS: 2004–2013

DATA SOURCE: Field studies conducted by university and/or third-party, independent researchers.

CROPPING CONDITION:

- **P Rate:** 33–40 lbs P_2O_5/ac
  - Balanced across all treatments

Results



Summary

- MicroEssentials S15 outperformed MAP + AS by 1.4 bu/ac (3.5%) and MAP by 2.7 bu/ac (7%), on average, across all locations.
- Access additional yield data, and calculate your ROI potential at MicroEssentials.com/Performance.

2.7 bu/ac

Increase with MicroEssentials S15 over MAP

1.4 bu/ac

Increase with MicroEssentials S15 over MAP + AS

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.

Mosaic®

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**.