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2025 Indiana Manganese Soybean Foliar Comparison Trial

In a 2025 Kewanna, Indiana soybean trial, MnAce (5% Manganese Acetate) was compared directly against a leading manganese sulfate product. Both treatments were applied foliar at 2 quarts per acre per application. Tissue samples were collected prior to the final application to evaluate nutrient uptake efficiency.

Results showed that MnAce delivered a 37.43% higher overall manganese tissue concentration compared to manganese sulfate at equivalent application rates. On an individual rep basis, MnAce outperformed manganese sulfate by +15.53% in Rep 1 and an impressive +67.11% in Rep 2.

This demonstrates the superior efficiency of acetate-based formulations for foliar-applied manganese nutrition.

TRIAL DETAILS

Location: Kewanna, Indiana
Trial Date: July 31 – August 4, 2025
Crop: Soybeans
Sampling Stage: R1 Growth Stage (flowering)
Tissue Sampling: Samples collected prior to the final foliar application

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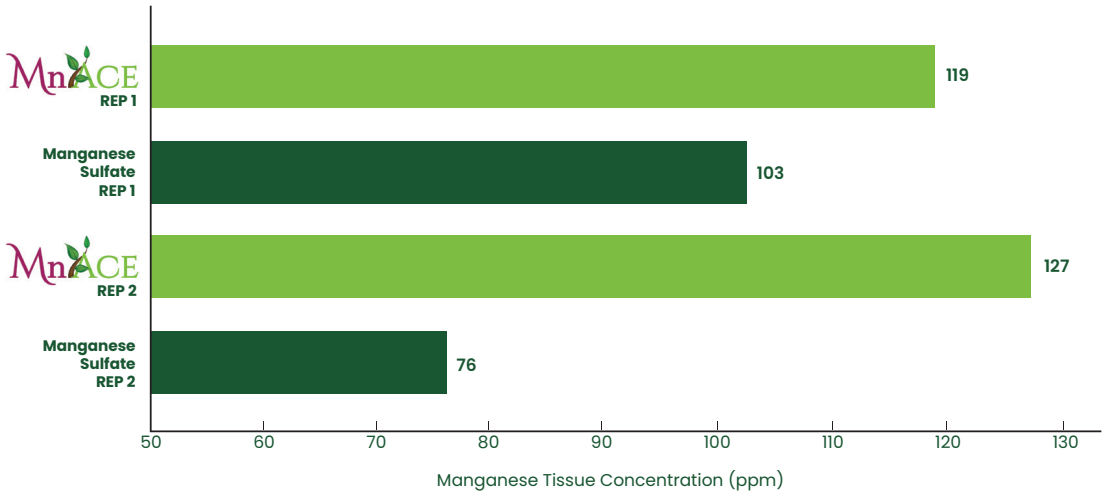
TISSUE RESULTS

Rep 1 Mn Increase in PPM: 15.53%
Rep 2 Mn Increase in PPM: 67.11%
Average Manganese Sulfate: 89.5 ppm
Average MnAce: 123 ppm
Overall Composite Increase: +37.43%

TREATMENTS

Treatment 1: Manganese Sulfate — 2 qt/acre — 2 applications
Treatment 2: MnAce — 2 qt/acre — 2 applications



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