

Soybean. (*Glycine max*).
Applications of Micro 581, Ratchet™
Yield Increase

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Application of Micro 581 versus Ratchet™ for Enhanced Soybean Yields, 2011

A trial was conducted in 2011 to evaluate the potential yield increase effect of Micro 581 compared to Ratchet™ when either is applied with Matrixx in soybeans.

NutriSol Micro 581 is a formulation designed for use on crops like soybeans that require a balanced fertility program including trace elements. The trace element package contained in Nutrisol Micro 581 is a complex nutrition supplement system that contains penetrants designed to enable the nutrients to move more easily into the plant. Ratchet™ is a Novozymes' patented, foliar-applied LCO Promoter Technology for corn, soybean, and alfalfa. Formulated for ease of use and compatibility with post-emergence applications, Ratchet enhances the plant's nutritional capabilities.

Micro 581 was applied at 2 quarts/A and Ratchet™ was applied at 4 oz/A. Both treatments were applied with 1 pint/A of Matrixx spray adjuvant. Treatments were applied at the V5-V6 stage of growth. No visual differences were observed following application. Yields were collected using the grower cooperators' combine.

Based on the results, Micro 581 increased soybean yields by 4.75 bu/Acre over the untreated check and 2.71 bu/Acre versus Ratchet™.

Table 1.

Treatment	Yield in bushels(at 13% moisture)
Untreated Check	39.41
Ratchet	41.45
Micro581	44.16

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