

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

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### Applications of Micro 581 applied to Soybeans for Yield Increase, 2013

In 2013, two studies were conducted to evaluate the potential yield increase when Nutrisol Micro 581 was applied to soybeans. The trials were located in Lenoir County near Kinston, North Carolina and Greene County, North Carolina near Snow Hill. Refer to the chart below for the parameters of each trial.

Location	Application date	Growth Stage at application	Soybean Variety	Soil Type	Harvest date
Lenoir County	June 14, 2013	V6-V8	AG6732 RR2Y	Norfolk	Nov. 29, 2013
Greene County	August 20, 2013	V10	AG 6931	Kenansville	Nov. 12, 2013

Trial Yields were measured using a standard weigh wagon.

Treatment	Lenoir Yield bu/A	Greene Yield bu/A	Average Yield bu/A at 13%
Check	49.27	37.6	43.4
Micro 581 at 2 qt/a	63.66 (29% increase)	40.2 (7% increase)	51.9 (19.6% increase)

NutriSol Micro 581 is a formulation designed for use on crops that require a balanced fertility program and trace elements. The trace element package contained in Nutrisol Micro 581 is a uniquely complex nutrition supplement system that contains penetrants and translocation aids designed to enable the nutrients to move more easily into the plant.

Along with macronutrients, soybeans require micronutrients that are essential in the production of energy for the plant as well as for disease resistance. Without these micronutrients, deficiency symptoms will be present (see below). Micronutrients in soybean fertilizer should include sulfur, iron, calcium, zinc, chlorine, molybdenum, manganese, boron and even chlorine. Micro 581 contains boron, iron, manganese, molybdenum and zinc. Micro 581 should be applied as part of full nutritional program prior to symptoms appearing. Generally speaking, Micro 581 works best when applied with your early herbicide program and again at pre-flowering,

Element	Common Deficiency Symptoms
Boron (B)	Leaf thickening, curling, wilting; reduced flowering/pollination
Iron (Fe)	Interveinal chlorosis of young leaves
Manganese (Mn)	Upper leaves pale green or streaked
Molybdenum (Mo)	Yellowing of leaves due to poor Nitrogen fixation
Zinc (Zn)	Decreased stem length (rosetting), mottling-stripping-interveinal chlorosis

MICRO 581 is a product of Coastal AgroBusiness, 3702 Evans Street, Greenville NC 27834.