



Soybean Foliar Fertilizer Study – 2009

Planted: May 20, 2009
Harvested: October 13, 2009
Population: 150,000 Seeds/A
Rows: Eight 30" Rows
Previous Crop: Corn
Replications: Two (averaged)

Tillage: Chisel
Herbicide: 32 oz. Credit Extra @ V5
 32 oz. Credit Extra @ R2
Fungicide: 6 oz. Headline
Product Tested: Beck 325NR™*

RAINFALL	
April	10.0 in.
May	4.9 in.
June	4.6 in.
July	4.0 in.
August	<u>3.6 in.</u>
Total	27.1 in.

Purpose: To evaluate two foliar feed fertilizers on Beck 325NR™* soybeans. **AgriGuardian Micro Mix** is a blend of sugar based chelated micronutrients including Mn, Fe, Cu, B, Mo, and Co, designed to overcome subtle micronutrient deficiencies and to offset any negative effects of post-emergent herbicide use.

Agri-Gro Foliar Blend contains micronutrients N, Co, Fe, Mo, and Zn and triggers beneficial soil bacteria growth which speeds up the breakdown of crop residue, builds humus, and improves soil structure.

Both foliar feed fertilizers were tankmixed with Glyphosate at the V7 growth stage.

Treatment	Bushels* Per Acre	+/- Control	Cost of Treatment	Net Dollar Return^	\$ Advantage
Control^^	63.7			\$608.34	
AgriGuardian Micro Mix	64.8	+1.1	\$2.50	\$616.34	+\$8.00
Agri-Gro Foliar Blend	64.6	+0.8	\$10.00	\$606.45	-\$1.89
Micro Mix+Foliar Blend Combo	65.7	+2.0	\$12.50	\$614.94	+\$6.60

Average of Two Replications 64.7

†Bushels per acre corrected to 13% moisture.

*XL Brand is distributed by Beck's Superior Hybrids, Inc.

^Soybean price used is \$9.55/Bu.

^^Only one control replication

Summary: Micro Mix increased yields by 1.1 Bu./A. and returned an additional \$8.00/A. AgriGro Foliar Blend showed a 0.8 Bu./A. response, but due to the higher cost of the product, suffered a net loss of -\$1.89/A. The combination tank mix of both products gave the highest yield response of 2 Bu./A., and offered a \$6.60/A. return on investment.

Micro Mix offered a nice yield increase in both individual and tank mix treatments. It also has a really affordable price, which may make it a viable option for producers looking for a micronutrient mix to apply with glyphosate or other post-emerge herbicides.

"I was very pleased with my farm average on soybeans for 2009. I averaged 62.66 bushels per acre over 251 acres. The BECK 399NR and BECK 403NR™* varieties looked good all year. I plan to use 100% Beck's on all my corn and soybean acres for 2010."

James Schrock
 Shelbyville, IL

