

Soybean. (*Glycine max*)
 Applications of Quantum
 Yield Increase

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Applications of Quantum for Soybean Yields, 2011

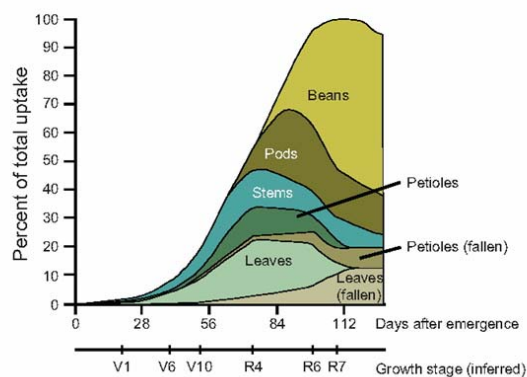
A trial was conducted in Kinston to compare Quantum 15-0-12 8S and Quantum 5-0-20 12S at 1 gal/A applied to soybeans versus an untreated check. The Quantum line of products consists of clean, chloride-free liquid foliar nutrient blends utilizing slow release nitrogen technology and potassium thiosulfate. Treatments were applied August 16th, 2011 when the soybeans reached growth stage R3. Plot sizes were 1.5 acres each and were uniform across the entire field. No visible differences were observed during the remaining growing season. Plots were harvested when the soybeans reached 13% moisture using the grower cooperators standard grain combine set up for commercial soybean harvest.

Treatment	Yield		
	Bu/Acre	Increase	% Difference
Untreated check	32.68	-	-
Quantum 5-0-20-13S	36.23	3.55	10.9%
Quantum 15-0-12-8S	39.76	7.08	21.7%

Both Quantum products provided yield increases over the untreated check. The Quantum 15-0-12 8S out-yielded the untreated check by 22% and Quantum 5-0-20 13S by 10%.

Flowering requires a soybean plant to use potassium and 80% of the Potassium used by soybeans is used after bloom (R1 stage) as indicated in this chart by Dr. Scott Murrell.

Potassium Uptake In Soybeans¹



Quantum is a product of Coastal AgroBusiness, 3702 Evans Street, Greenville NC 27834

Coastal AgroBusiness 2011 TEM 1-11 Josh Allen Trials

1. Why are Soil Test Potassium Levels so Variable over Time in the Corn Belt?
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