

**SOYBEAN.** (*Glycine max*).  
 2-Year Quantum SDS  
 Improved Early Season Plant Development & Yield

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**Applications of Quantum 15-0-12 -8S Improved Soybean Yields- 2 Year data (2011 + 2012)**

Quantum SDS products are clean, chloride-free liquid foliar nutrient blends utilizing slow release nitrogen technology and potassium thiosulfate. The reason to use Quantum is that 80% of the potassium used by soybeans is used after bloom (R1 stage). Quantum can be mixed with fungicides, insecticides, and micronutrients (such as Micro581, Nutrisol 8% Manganese, Boron, etc.)

Two trials, one in 2011 and the other in 2012, were conducted in Lenoir County near Kinston, North Carolina. Data was collected from soybean plots treated with Quantum 15-0-12 8S applied when soybeans were in pre bloom to bloom growth stages. In 2011, an application was made on August 16<sup>th</sup>, 2011 and the variety was Asgrow mid-Group VI. Soybeans were harvested on time, and there was a 7.08 bu/A increase (22%) over the untreated check.

In the 2012 study, applications were made to Asgrow Group VI soybeans on July 31<sup>st</sup>, 2012. The trial was harvested November 30<sup>th</sup>, 2012, and a 5.85 bu/A (14%) increase was recorded.

An average 2 year yield increase of 18% or 6.46 bu/A was recorded (see table below).

Treatment	Yield at 13% moisture (bu/A)	Increase over Check (bu/A)
2011 Untreated Check	32.68	
2011 Quantum 15-0-12 8S	39.76	7.08 (22%)
2012 Untreated Check	41.1	
2012 Quantum 15-0-12 8S	46.95	5.85 (14%)
<b>2 Year Average</b>		
Untreated Check	36.89	
Quantum 15-0-12 8S	43.35	6.46 (18%)

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

**Coastal AgroBusiness 2012 TEM 1-14 Josh Allen Trials**