

Cotton
 2-Year Quantum SDS
 Improved Early Season Plant Development & Yield

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Applications of Quantum 15-0-12 -8S Improved Cotton Yields- 2 Year data (2011 & 2012)

In three 2011 trials and one 2012 trial, Quantum 15-0-12- 8S was applied to cotton in two applications at 2 gallons/A. Yield and fiber quality assessments were recorded and averaged over the two years.

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 cotton is used after bloom. Quantum can be mixed with fungicides, insecticides, and micronutrients (such as Micro581, Nutrisol 8% Manganese, Boron, etc.)

In 2011, two studies were conducted in Colerain, NC and one in Oak City, NC. In 2012, one trial was conducted near Kinston, NC. In 2011, all three studies showed an increase in yield ranging from 51 – 128 lbs. of lint/A. The average yield increase was 92.7 lb/Acre, which was a 15% increase over the untreated cotton. (See Table 1.) At the Kinston site in 2012, there was a 113 lb /A (or 9%) increase in yield. Fiber quality was similar across all studies; however, the studies showed an improvement in micronaire and increase in fiber strength (See Table 2.)

TABLE 1	Lb of Lint/Acre			
Test 2011	Quantum 2 gal/A x 2 Application	Untreated	Yield Increase lb/A w/ Quantum	Percent Increase w/ Quantum
Colerain 1	982.71	854.46	128	15%
Colerain 2	493.83	442.63	51	12%
Oak City	601	502	99	20%
Average	692.5	599.7	92.7	15%
Test 2012				
Kinston	1390	1276.9	113	9%
2 Year Average	866.89	768.9	98	13%

TABLE 2	Average Cotton Fiber Quality Assessments			
	Micronaire	Length	Strength	Uniformity
Untreated	5.3	1.05	26	79.5
Quantum 2 Gal/A x 2 Applications	5.0	1.09	29	80.4

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

Coastal AgroBusiness 2012 TEM 1-16 Josh Allen Trials