

**Peanut.** (*Arachis hypogaea*),  
Applications of QUANTUM, IMPACT F and Calcium  
Yield Increase

J. Allen, Coastal AgroBusiness,  
Greenville, NC

### Foliar Application of QUANTUM, IMPACT F and Calcium, Peanut Study 2012

A demonstration plot was established to evaluate peanut harvests after each of these treatments were applied: IMPACT F applied at 1qt/Acre, IMPACT F + 10% Foliar Calcium applied at 1 qt/A each, and QUANTUM 5-0-20 13S at 1.5 Gal/A. The demonstration plot was established in Beaufort County North Carolina just outside Washington. Treatments were applied on July 25, 2012, and peanuts were harvested October 26<sup>th</sup> 2012. The grower maintained the plots with standard practices common to the area to ensure good peanut yields including 1000 lb/A of land plaster.

Treatment	Yield	Increase over Check
Check	4500 lbs	
Impact 1qt/Acre	4734 lbs	5.20%
Impact 1qt/acre + 10% Calcium 1 qt/A	5355 lbs	19%
Quantum 5-0-20-13S 1.5 Gallons/A	5040 lbs	12%

After-harvest yield comparisons indicated a 5.2% increase with the application of IMPACT F applied at 1 qt/A over the untreated check, and a 12% increase with QUANTUM 5-0-20 13S applied at 1.5 Gallons/A over the untreated check. When IMPACT F and foliar-applied calcium (10%) were applied in a tank mixture, there was a 19% increase in peanut yield over the untreated check. While the literature states that foliar applications of calcium are not beneficial for pod development when taken up by peanut leaves, it does suggest that there is still a need for calcium later in the growing season. Some of the foliar applied calcium did reach the soil.

IMPACT F and QUANTUM are products of Coastal AgroBusiness, Inc.