

**Soybean. (*Glycine max*),**  
 Applications of Impact F  
 Improving Yields in Soybean

J. Allen, Coastal AgroBusiness,  
 Greenville, NC

**Improving Yields in Soybean 2011-2012**

Impact F was tested in 2011 and 2012 to evaluate the potential of increasing yields in soybeans. In 2011 one study was conducted and in 2012 five (5) studies were conducted. Applications of Impact F were made between June 13<sup>th</sup> and July 1<sup>st</sup> when soybeans (GIV) reached the late vegetative to R1 growth stage and the application rates was 1 Qt/A. Impact F is a biological plant and yield stimulants product designed for use in foliar applications. All plots, untreated and Impact F plots, received Micro 581 and 2 plots also receive a Quantum + fungicide application as routine grower treatments. Impact F is an active biological complex that act as a plant stimulant because of the cell dividing properties of cytokinins. Resulting actions can produce a substantial increase in crop productions and greatly enhance crop quality. All plots were harvest based on maturity and when the soybeans reached 13% moisture.

Based on the results of these studies applications of Impact F improved soybean yields from 2.8 to 5.2 bu/A or 7% over the plots where no Impact F was applied. Additional data collected indicated that Impact F treated soybeans had more total pods with more beans and increased weight.



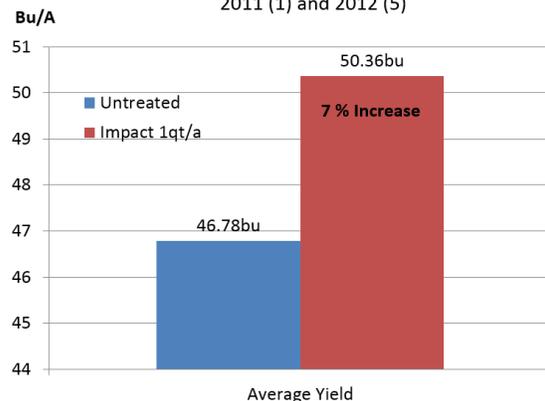
- The Impact F treated beans
- weighed 38% more than the untreated
  - had 25% more pods
  - had 35% more total beans

The check had a total of 14 three bean pods while the beans treated with Impact F had 54 three bean pods.

**Table 1.**

Treatment/Year	Untreated	Impact F 1 Qt/A	Increase over Check
Washington '11	46.4	49.2	2.8
Washington '12	59.0	64.2	5.2
Kinston1 '12	38.3	43.4	5.1
Kinston2 '12	41.1	44.1	3.0
Kinston3 '12	44.0	46.3	2.3
Tyrrell '12	52.0	55.1	3.2
Average	46.8	50.4	3.6

Graph 1. 2 Year Combined Data Impact on Soybeans 2011 (1) and 2012 (5)



Impact F, Micro 581 and Quantum are products of Coastal AgroBusiness, 3702 Evans Street, Greenville NC 27834