

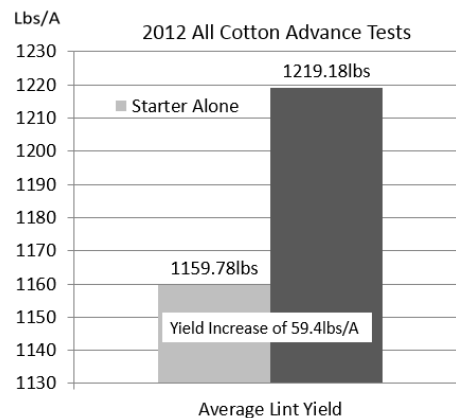
**Cotton. (*Gossypium hirsutum*),**  
 Applications of Advance  
 Yield Increase

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**In-Furrow Application of ADVANCE Concentrate in Cotton, 2012**

In 2012 two (2) studies were conducted to evaluate the effects of in-furrow applications of ADVANCE Concentrate in cotton. One trial was located near Belhaven, NC and one was near Kinston, NC. At the Belhaven site ADVANCE Concentrate was applied at 8 oz/A in combination with a poly starter in a 2X2 configuration with and without Advance Concentrate. At the Kinston site a similar trial was conducted with ADVANCE Concentrate applied at 10 oz/A. Advance Concentrate is a proprietary composition of natural carboxylic acids secreted by soil bacteria, fungi, and plant roots that enhance solubilization, availability, and uptake of nutrients by the plant. It may be sprayed directly in-furrow, added to starter solutions, or used in drip irrigation.

Early season cotton vigor and root development was observed at both locations (see photo of the Belhaven cotton). Cotton treated with ADVANCE CONCENTRATE and starter out yielded the cotton treated with starter alone by 70 lbs. at the Belhaven site and 49 lbs. at the Kinston site compared to the starter alone treatments. A summary of both locations indicated that the addition of ADVANCE Concentrate to starter fertilizer applications improves yields by 59.4 lbs./A over the starter treatments alone (see graph below).



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