

**PENTIATM PLANT REGULATOR RESULTS OF THE 2003
ON FARM STUDIES VIRGINIA AND THE CAROLINAS**

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Abstract

In 2003 on farm studies were conducted to evaluate PentiaTM Plant Regulator under grower field conditions. Twenty-six separate multi-acre blocks of cotton and two strip trials were initiated with paired comparisons of PentiaTM versus mepiquat chloride (MC) containing growth regulators including Pix® Plus. Applications began at MHS with a second application following 2-3 weeks later. Similar rates of both PentiaTM and MC were tested. The growing season was much improved over 2002 and all cotton regular performed well, including PentiaTM. However, rate for rate across 28 locations Pentia® treated cotton was 12.1% shorter, had 1.9% more open bolls/plant, and 24.8% more 1st and 2nd bolls/plant. Yield increases were also observed. Yields were improved by 15.6% or 120 lb lint/A. Similar studies will be conducted in 2004.