

**BXN47: A NEW BUCTRIL® RESISTANT
COTTON VARIETY FROM STONEVILLE
PEDIGREED SEED COMPANY**

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Abstract

Stoneville Pedigreed Seed Company, a wholly-owned subsidiary of Calgene, Inc., is announcing the release of a new Buctril®-resistant cotton variety, BXN47. BXN47 is a transgenic variety that contains the patented BXN® gene, which confers resistance to the herbicide Buctril®, a product of Rhone-Poulenc. Buctril® provides excellent control of many annual broadleaf weeds including cocklebur, morningglory, velvetleaf, and hemp sesbania. All BXN® varieties, including BXN47, can be sprayed over-the-top with Buctril herbicide from the two-leaf stage up to 60 days before harvest without plant injury or yield reduction.

BXN47 is an early-maturity variety with superior adaptation across the entire Cotton Belt. Developed from a backcrossing process with ST474, the industry's highest yielding variety, BXN47 closely resembles ST474 in plant appearance, fiber properties, lint yield, and yield stability. In replicated yield evaluations across 7 Mid-South locations in 1995-1996, BXN47 has exhibited yield and fiber performance equal to ST474 with the exception of micronaire, which is approximately 0.2 units lower. BXN47 was also evaluated for yield and fiber performance in State Variety Trials across the Cotton Belt in 1996. The results of those evaluations will be made public by each state when yearly bulletins are published. Because of its superior yield performance, BXN47 is an excellent choice for both weed-infested and weed-free situations. However, growers can obtain the most benefit from the BXN® system by planting BXN® varieties, such as BXN47, and treating broadleaf weeds with Buctril®.

BXN47 is currently available in limited quantities for sale in 1997 and in unlimited quantities for the 1998 planting season.