

**BXN57: A NEW BUCTRIL® RESISTANT
COTTON VARIETY FROM STONEVILLE
PEDIGREED SEED COMPANY
D. Panter, R. Ward, J. Stanton,
J. Kiser, and C. Houck
Stoneville Pedigreed Seed Company
Stoneville, MS**

Abstract

Stoneville Pedigreed Seed Company, a wholly-owned subsidiary of Calgene, Inc., is announcing the release of a new Buctril®-resistant cotton variety, BXN57. BXN57 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. BXN57 can be sprayed over-the-top with Buctril herbicide from the two-leaf stage up to 60 days before harvest without plant injury.

BXN57 is a medium-maturity variety with very good adaptation for most areas of the Mid-South cotton belt. The variety has been evaluated since 1992 by researchers at Stoneville Pedigreed Seed Co. and at public universities and has consistently produced yields equivalent to popular commercial varieties of similar maturity. In replicated weed-free yield trials at 10 locations in 1994-1995, BXN57 produced a mean lint yield of 1083 lbs/A compared to 1060 and 1026 lbs/A for Stoneville LA887 and DPL5415, respectively. BXN57 should provide the greatest benefit to Mid-South producers when grown in areas where broadleaf weeds are a limiting factor in lint yield production. Fiber properties of BXN57 are similar to DPL5415.

BXN57 is currently available in limited quantities for sale in the 1996 planting season.