

## **COTTON VARIETY SELECTION MODEL**

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A computerized model is being developed to assist cotton producers, geneticists, seed companies, breeders, and extension personnel in making decisions on which cotton varieties to plant or release for production. The program provides the means for identification of the most profitable and stable cotton varieties. The decision criteria is based on varietal revenue and variability calculated from objective data generated by agricultural experiment stations or by the user. Total revenue is calculated from lint prices and seed prices, and lint and seed yields. Lint and seed prices are adjusted for values of quality attributes. Adjustments are made for seed, harvesting, and ginning costs. Variability of total revenue represents production risk. The program identifies the best and most stable varieties (in terms of total revenue) among existing and potential cotton varieties and genotypes. The final product will be a Windows-compatible, stand-alone computer program.