

Integrating Cotton Herbicide Technology Rotation into Peanut Control in Conservation-tillage Cotton

Summary

Brandon A. Dillard- Extension Agronomist
Dr. Andrew Price – USDA Soil Scientist
Dr. Dale Monks – Extension Cotton Specialist
Dr. Mike Patterson- Extension Weed Specialist
Dr. Bob Goodman- Extension Economist

Upon funding of this grant, we began researching volunteer peanut control in utilizing different herbicide technologies. Monsanto's Round-up Ready and Bayer's Liberty Link cotton seed were planted into rye. Although it was an extremely dry year we were able to keep the experiment through irrigation. Once we had established the cotton in a location with volunteer peanuts, we applied six different herbicide treatments, replicated four times for each technology system. Evaluations of each treatment included peanut counts and crop response reflected in yield.