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Agricultural
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Conservation
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Research
Project
Description
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Conservation Systems Research

*Evaluation of Glyphosate, Glufosinate, or MSMA
With or Without Residual Herbicide Options for
Layby Weed Control Options in Cotton*

RESEARCH PROJECT DESCRIPTION NO. 40

Researchers

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The Challenge

Many growers use non-residual, postemergence-directed herbicides, such as glyphosate, glufosinate, or MSMA in cotton alone or with residual herbicides that provide soil activity over time. Little is known about weed response to residual versus non-residual herbicide application(s) in cotton that includes all of the available postemergence-direct options. The challenge is to evaluate initial weed control and length of residual control with glyphosate, glufosinate, or MSMA plus or without residual herbicide options.

The Experiment

Two experiments at the Alabama Agricultural Experiment Station's E.V. Smith Research Center, near Miltstead, are evaluating weed responses to the full range of herbicide options available in cotton. One study is in a conventionally prepared seedbed and one in a stale (no-till) seedbed. Weed responses are being measured visually and through cotton yield.

