

WEED MANAGEMENT PROGRAMS IN NO-TILL COTTON, PEANUT, AND SOYBEAN

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INTERPRETIVE SUMMARY

Weed control is often considered one of the major hindrances to the successful adoption of conservation tillage systems. The purpose of this research was to evaluate potential weed control programs in strip-till Roundup Ready cotton, strip-till peanut, and strip-till Roundup Ready soybean. These studies demonstrate that good weed control options are available while still realizing the many benefits of reduced tillage crop production. In each crop studied a sequential POST application was required for good season-long weed control. In the

Roundup Ready cotton and soybean experiments two applications of Roundup Ultra provided excellent control, and Starfire plus Basagran AC followed by Cadre POST resulted in excellent weed control in the peanut. Control of weeds was positively related to yield for all three crops under investigation. While these results appear promising, additional data is needed to confirm findings and allow greater assurance for making extension recommendations.

See full paper and its tables and figures in the Reviewed Papers Section of this Proceedings.