

Summary

Aims of the project

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1. To quantify the effects of cropping systems on changes in weed spectrum and density.
 2. To evaluate herbicides combinations for weed management in reduced tillage systems.
 3. To evaluate the performance of glyphosate tolerant transgenic cotton and its use in weed management.
 4. To further develop the nutgrass control strategy.

Summary

Development of sustainable, efficient, integrated weed management systems for cotton production is the primary goal of the weeds programs (CRDC and CRC funded).

This goal is being achieved through a range of approaches including determining a base level for weed management in the cotton industry, scientifically evaluating a range of alternative weed management strategies including different herbicide combinations and rates, alternative herbicides with transgenic, herbicide tolerant cotton varieties and alternative cultivation and stubble management practices, and developing specific weed management packages for difficult to control weeds.

This project has furthered the weeds goal in all aspects. An important highlight has been the development of a management strategy for nutgrass. Preliminary field evaluation of a range of weed management options including normal and transgenic cotton has also been undertaken. Work over the next 3 years will examine options for peach vine management, and management options with stubble retention.