Evaluation of Automatic Insecticide Applications Following Preventative Insecticides for Thrips

Preliminary Results from a Regional Project

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At-Plant Insecticides

Temik 15G……..aldicarb

Aeris……..imidacloprid
thiodicarb

Avicta Complete Cotton……..thiamethoxam
“other stuff”

Others: Gaucho, Cruiser, acephate IF, etc

Foliar Insecticides

acephate (Orthene, Acephate, etc)

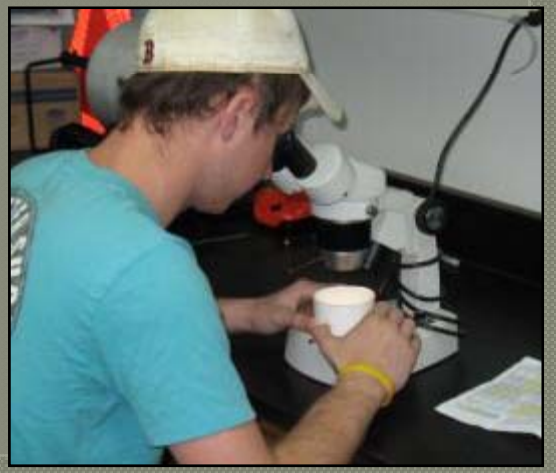
dicrotophos (Bidrin)

dimethoate (Dimethoate)

Objectives

(1) To determine the value of automatic foliar insecticide applications at various stages of cotton growth following preventative insecticide (seed or in-furrow applied)

(2) To investigate thrips species composition across the cotton belt, and to determine how various at-plant insecticides affect thrips species composition



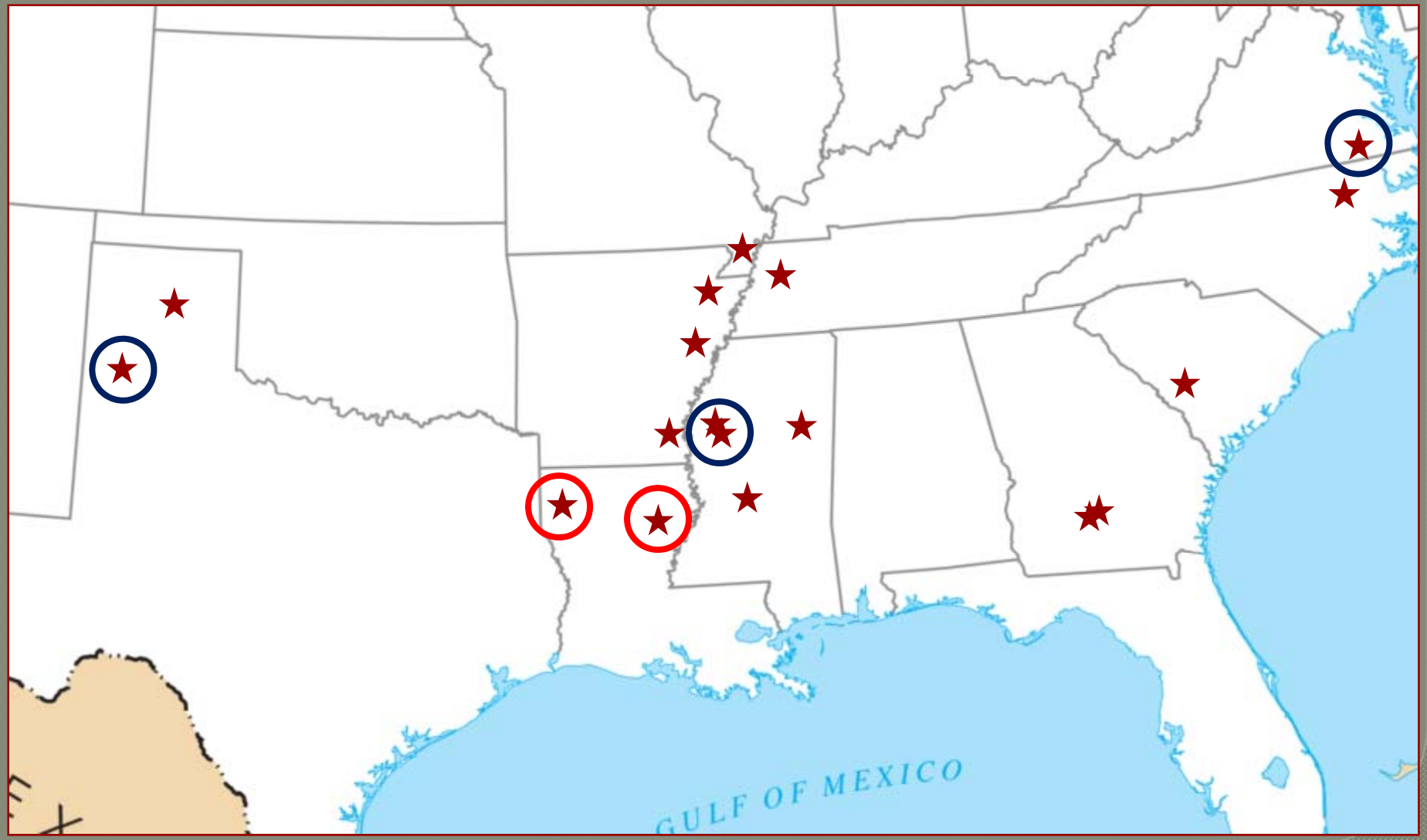
Literature Review

Western flower thrips in Mississippi cotton: Identification, damage, and control. Mississippi Agric. & Forestry Exp. Stn. Info.1320. (Reed 1988)

Analysis of Cotton Pest Management Strategies. La. Agric. Exp. Stn. Bull. 845. (Burris et al. 1994)

A survey of thrips (Thysanaptera) species infesting cotton seedlings in Alabama, Arkansas, Georgia, Louisiana, Mississippi, and Tennessee. J. Entomol. Sci. 38:669-681 (Cook et al. 2003)

18+ locations



Materials & Methods