

Project Code: N/A

Project Title: Spider Mite

GENERAL TRIAL INFORMATION

Study Director: Gus Lorenz
Investigators: Gus Lorenz, Kyle Colwell, Heather Wilf, Nichole Taillon
Location: Mississippi County, AR

CROP AND PEST DESCRIPTION

Pest: Two Spot Spider Mites
Crop: Cotton
Plot Width, Unit: 12.5 ft.
Plot Length, Unit: 50 ft.
Replications: 4
Site Type: field
Study Design: Randomized Complete Block

APPLICATION DESCRIPTION

Application Date: July 24, 2008
Application Method: Spray
Application Placement: Foliar

APPLICATION EQUIPMENT

Appl. Equipment: Mud Master
Operating Pressure: 40 psi
Nozzle Type: conejet
Nozzle Size: Tee-Jet TXVS 6
Nozzle Spacing, Unit: 19in
Ground Speed, Unit: 3 mph
Carrier: water
Spray Volume, Unit: 10
Propellant: air pressure

MATERIALS AND METHODS

The trial was located in Mississippi County, Arkansas, 2008. Plot size was 12.5ft. by 50ft. Insecticide treatments were applied with a Mud Master. The boom was fitted with TX6 hollow cone nozzles at 19 in nozzle spacing. Spray volume was 10 gal/a, at 40 psi. Insect density was determined by counting all Spider mites from 5 leaves using a 1in. X 1 in. hand lens. Samples were taken on July 31, 2008. Data was processed using Agriculture Research Manager Version 8, AOV, and Duncan's New Multiple Range Test (P=0.10).

RESULTS

Chart 1 Spider Mite Trial Mississippi County 7DAT- 2008

Application Date: July 24, 2008

Rating Date: July 31, 2008

