

**Project Code: N/A**

**Project Title: Jefferson Co. Thrips 3**

**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: Thrips  
Crop: Cotton  
Variety: DPL 444  
Planting Date: May 20, 2008  
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: At Planting  
Application Method: Spray  
Application Placement: Foliar/ In Furrow

**APPLICATION EQUIPMENT**

Appl. Equipment: hand boom  
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 Jefferson County, Arkansas, 2008. Plot size was 12.5ft. by 50ft. Insecticide treatments were applied with a Hand Boom. 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 collecting 5 plants per plot and using a wash technique. Samples were taken on June 9, and 18, 2008. Data was processed using Agriculture Research Manager Version 8, AOV, and Duncan's New Multiple Range Test (P=0.10).

## RESULTS

**Table 1 Jefferson County Thrips 3 Totals by Sample Date**

Planting Date: May 20, 2008

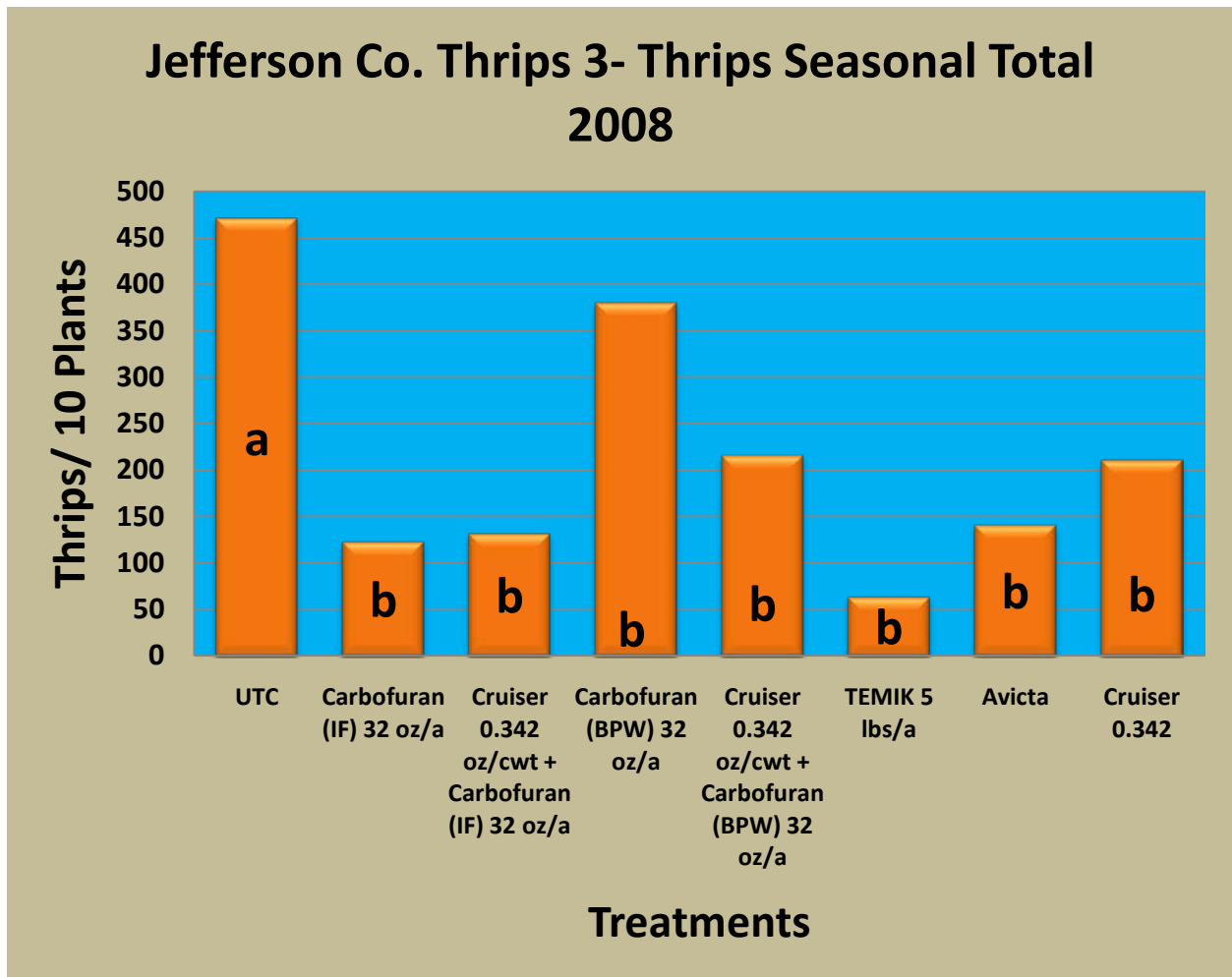
Rating Date: June 9 and 19, 2008

Jefferson Co. Thrips 3 Totals By Sample Date 2008					
Treatment	Rate	Unit	THRIPS 19 DAP	THRIPS 28 DAP	Thrips Seasonal Total
UTC			326.8 a	144.5 a	471 a
Carbofuran (IF)	32	oz/a	62.8 b	60.5 ab	123 b
Cruiser	0.342	mg ai/seed	41 b	90.5 ab	132 b
Carbofuran (IF)	32	oz/a			
Carbofuran (BPW)	32	oz/a	278.3 a	101.5 ab	380 a
Cruiser	0.342	mg ai/seed	63.5 b	152.3 a	216 b
Carbofuran (BPW)	32	oz/a			
TEMIK	5	lbs/a	33.3 b	31 b	64 b
Avicta			33.3 b	107.8 ab	141 b
Cruiser			59 b	151.8 a	211 b

**Chart 1 Jefferson County Thrips 3 Seasonal Totals**

Planting Date: May 20, 2008

Rating Date: June 9 and 19, 2008



**Chart 1 Jefferson County Thrips 3 Harvest Data**

Planting Date: May 20, 2008

Harvest Date: October 15, 2008

