

**Project Code: N/A**

**Project Title: Thrips 1**

#### **GENERAL TRIAL INFORMATION**

Study Director: Gus Lorenz  
Investigators: Gus Lorenz, Kyle Colwell, Heather Wilf, Nichole Taillon  
Location: Lonoke Co., AR

#### **CROP AND PEST DESCRIPTION**

Pest: Thrips  
Crop: Cotton  
Planted: May 21, 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: June 9, June 13, June 17, 2008  
Application Method: Spray  
Application Placement: Foliar

#### **APPLICATION EQUIPMENT**

Appl. Equipment: Hi-Cycle (John Deere 6500)  
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**

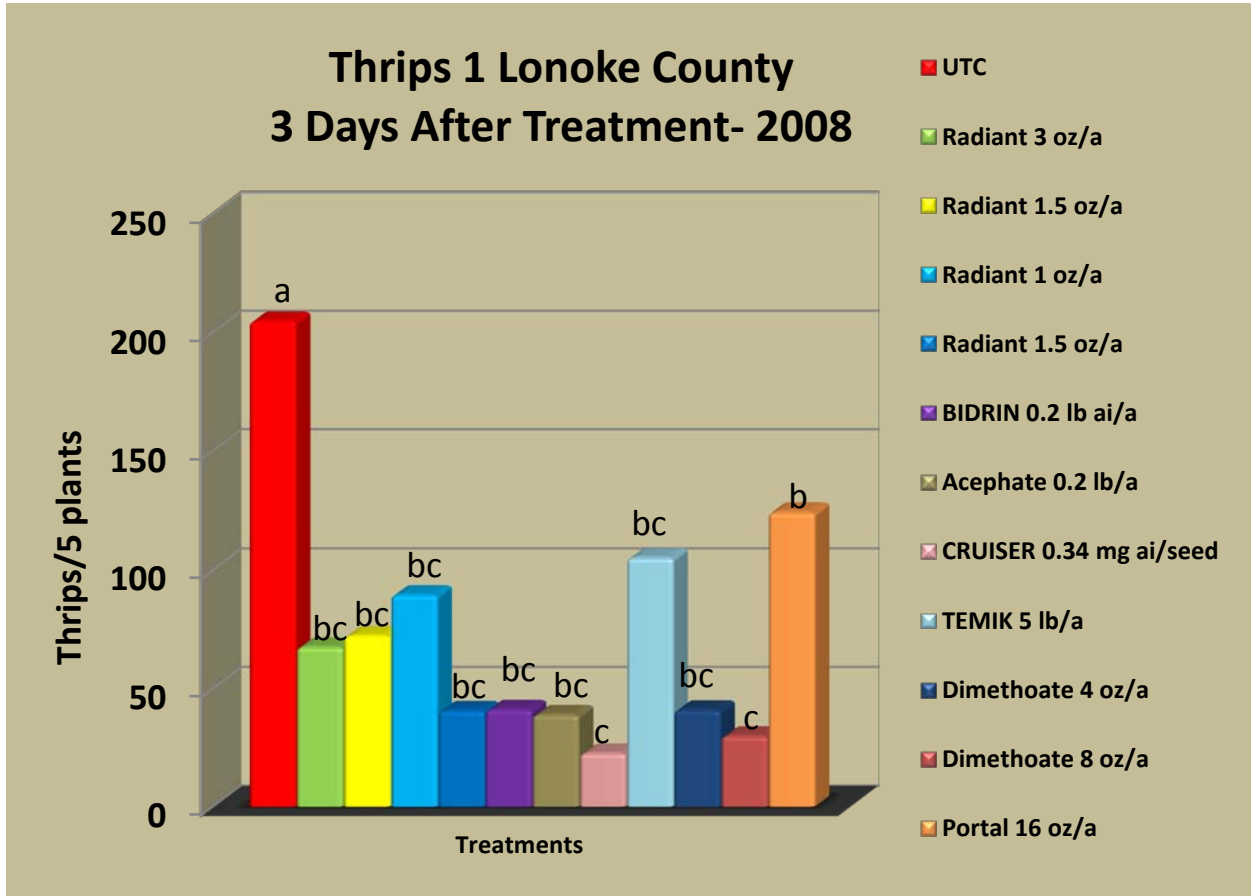
The trial was located in Lonoke County, Arkansas 2008. Plot size was 12.5ft. by 50ft. Insecticide treatments were applied with a John Deere 6500 Hi-Cycle. The boom was fitted with TX6 hollow cone nozzles at 19in nozzle spacing. Spray volume was 10 gal/a, at 40 psi. Insect density was determined by collecting 5 plants per plot and using a wash technique. Data was processed using Agriculture Research Manager Version 8. Analysis of variance was conducted and Duncan's New Multiple Range Test (P=0.10).

**RESULTS**

**Chart 1 Thrips 1 Lonoke County, 3 DAT- 2008**

Application Date: June 6, 2008

Harvest Date: October 27, 2008

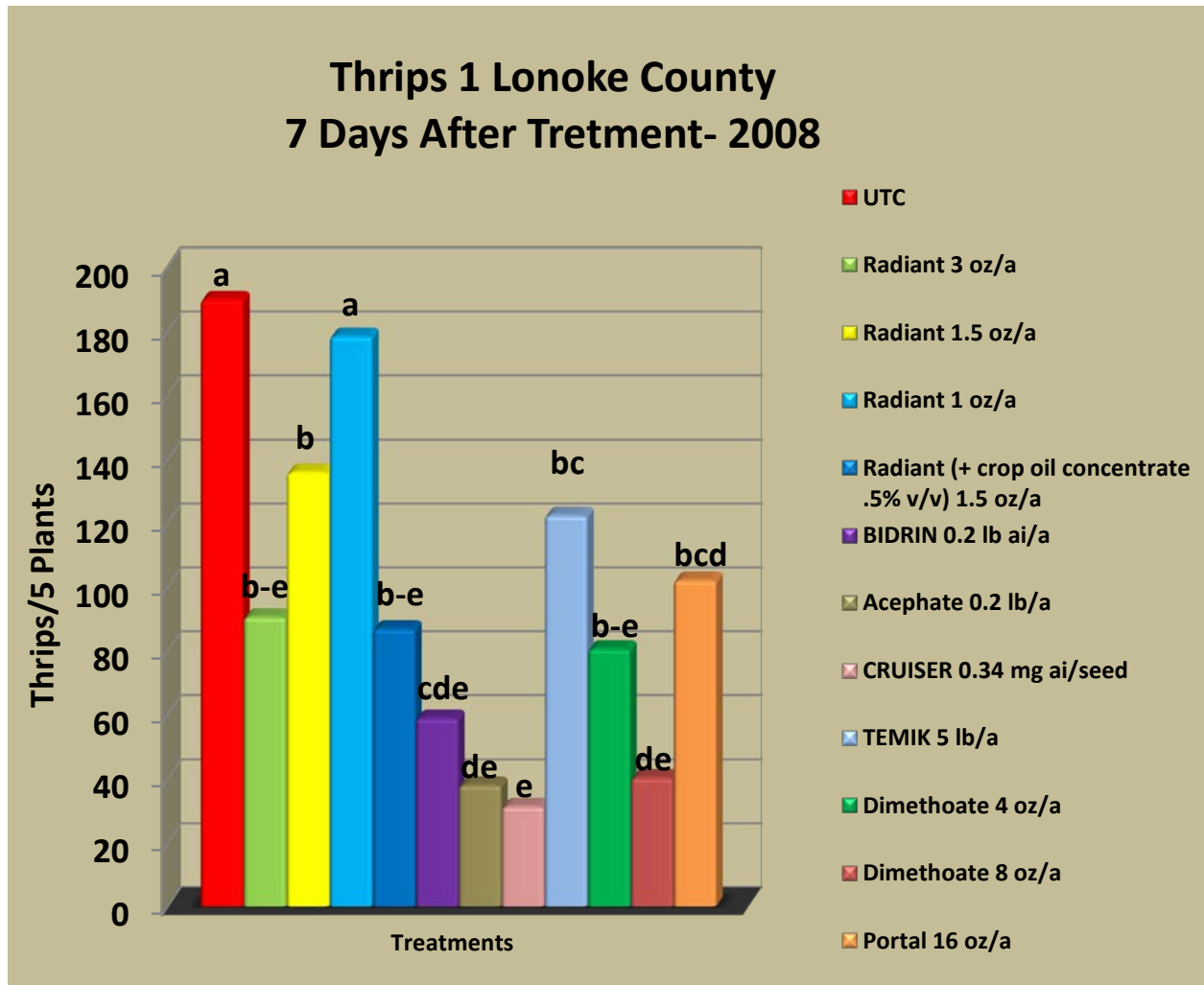


\*Means followed by same letter do not significantly differ (P=0.10)

**Chart 2 Thrips 1 Lonoke County, 7 DAT- 2008**

Application Date: June 13, 2008

Harvest Date: October 27, 2008

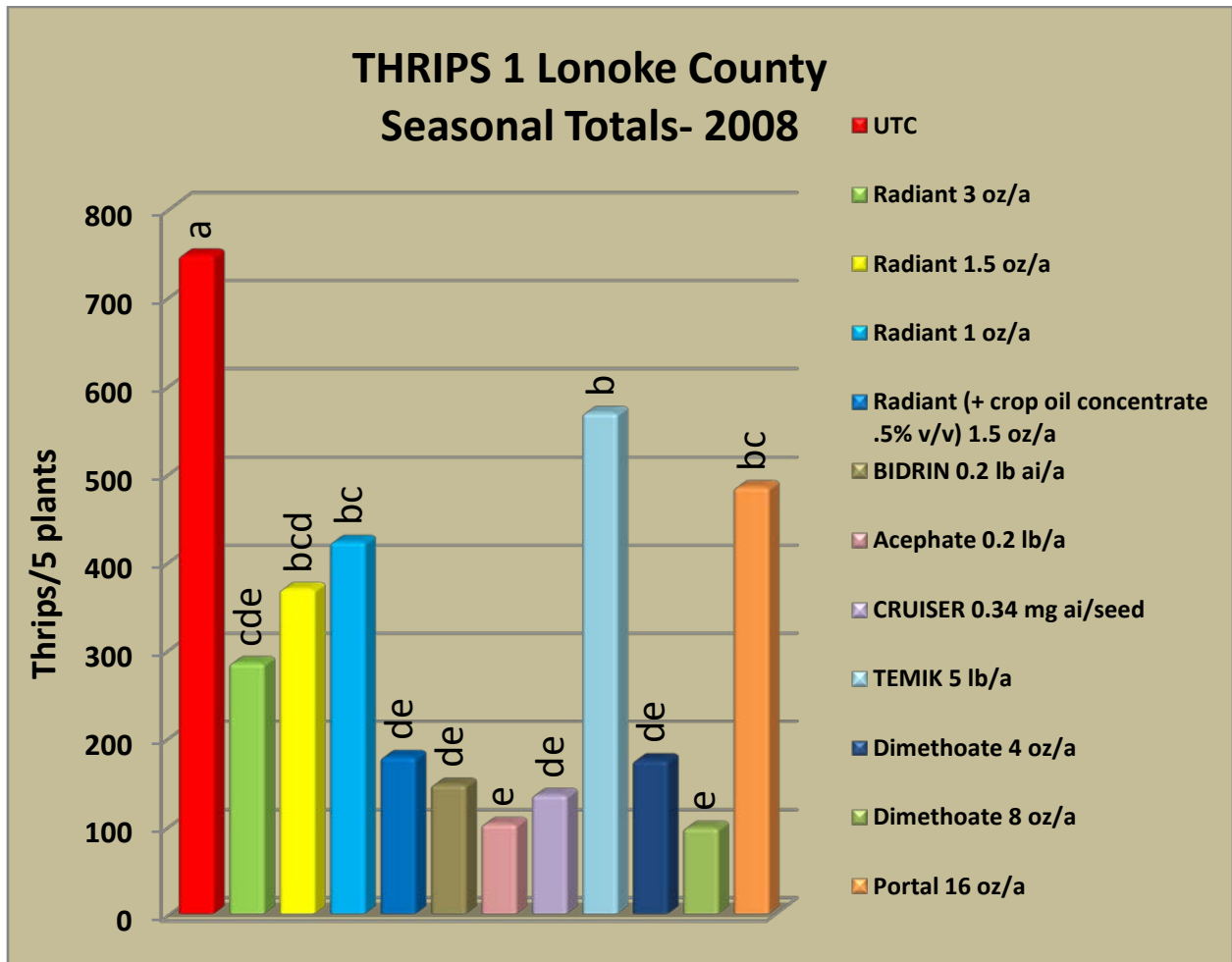


\*Means followed by same letter do not significantly differ (P= .10)

**Chart 3 Thrips 1 Lonoke County, Thrips Seasonal Total - 2008**

Application Date: June 9, June 13, June 17, 2008

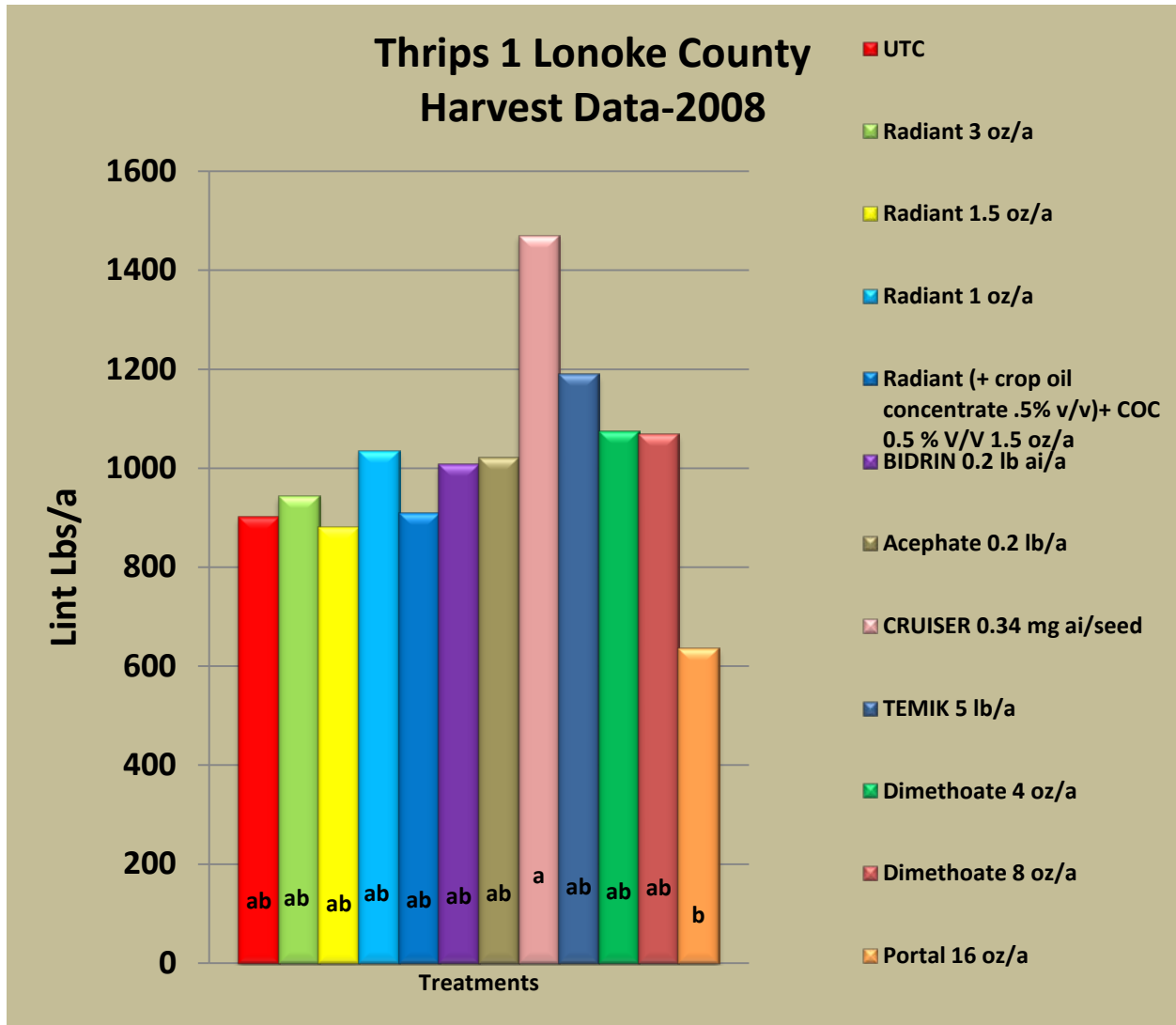
Harvest Date: October 27, 2008



\*Means followed by same letter do not significantly differ (P=.10)

**Chart 4 Thrips 1 Lonoke County, Harvest Data- 2008**

Harvest Date: October 27, 2008



\*Means followed by same letter do not significantly differ (P=0.10)