

Project Code: N/A

Project Title: Large Block Transgenic

GENERAL TRIAL INFORMATION

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

CROP AND PEST DESCRIPTION

Pest: Bollworms
Crop: Cotton
Plot Width, Unit: 16 rows (38 in.)
Plot Length, Unit: 100 ft.
Replications: 4
Site Type: field
Study Design: Randomized Complete Block

APPLICATION DESCRIPTION

Application Date: July 30, 2008 (434 only)
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

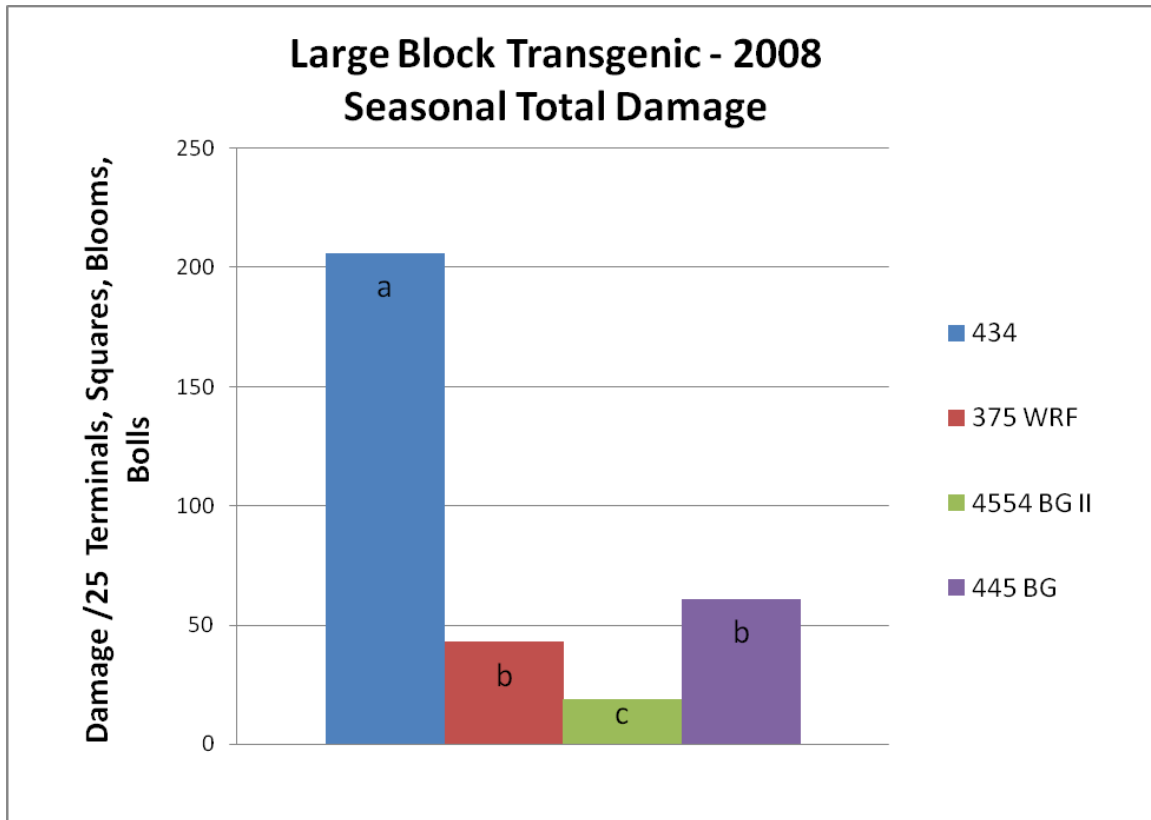
The trial was located in Jefferson County Arkansas, 2008. Plot size was 16 rows by 100ft. Insecticide treatment were applied with a Mud Master. The boom was fitted with TX6 hollow cone nozzles at 19in nozzle spacing. Spray volume was 10 gal/a, at 40 psi. Insect density was determined by sampling 25 terminals, squares, blooms, and bolls per plot. Samples were taken on July 22, 30, August 8, 13, 2008. Large rainfall amounts during the course of the study limited ground applications. Data was processed using Agriculture Research Manager Version 8, AOV, and Duncan's New Multiple Range Test (P=0.10).

RESULT

Chart 1. Large Block Transgenic Seasonal Damage

Application Date: July 30, 2008 (434 Only)

Rating Date: July 22, 30, August 8, 13, 2008

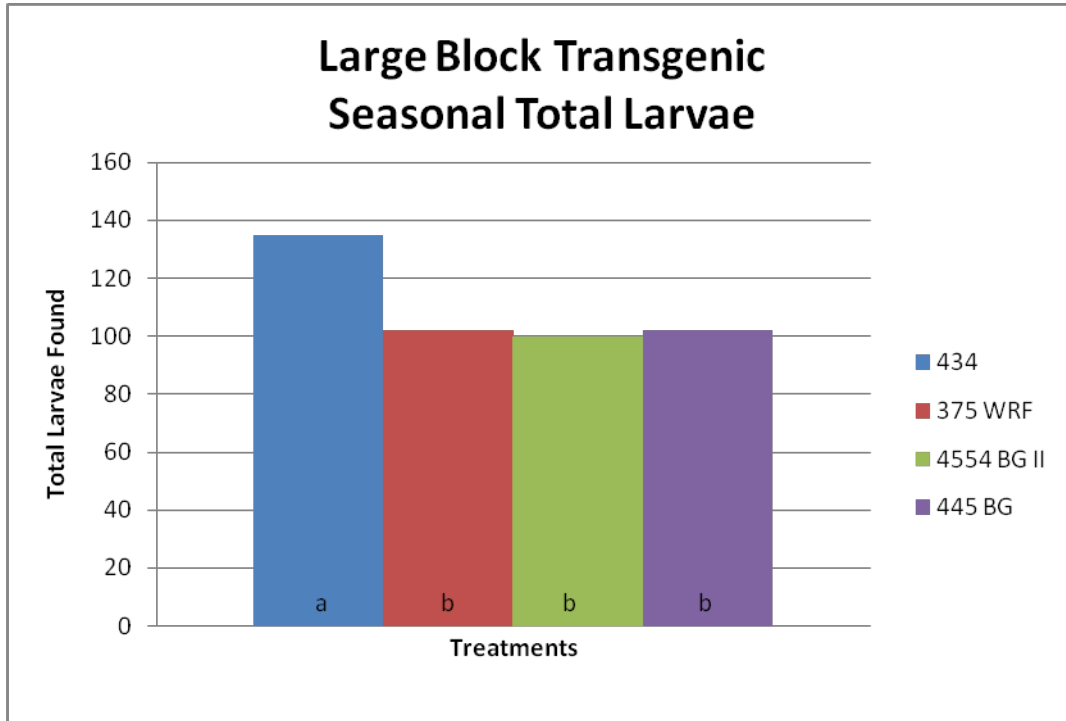


*Means followed by same letter do not significantly differ (P=.10)

Chart 3. Large Block Transgenic Seasonal Total Larvae

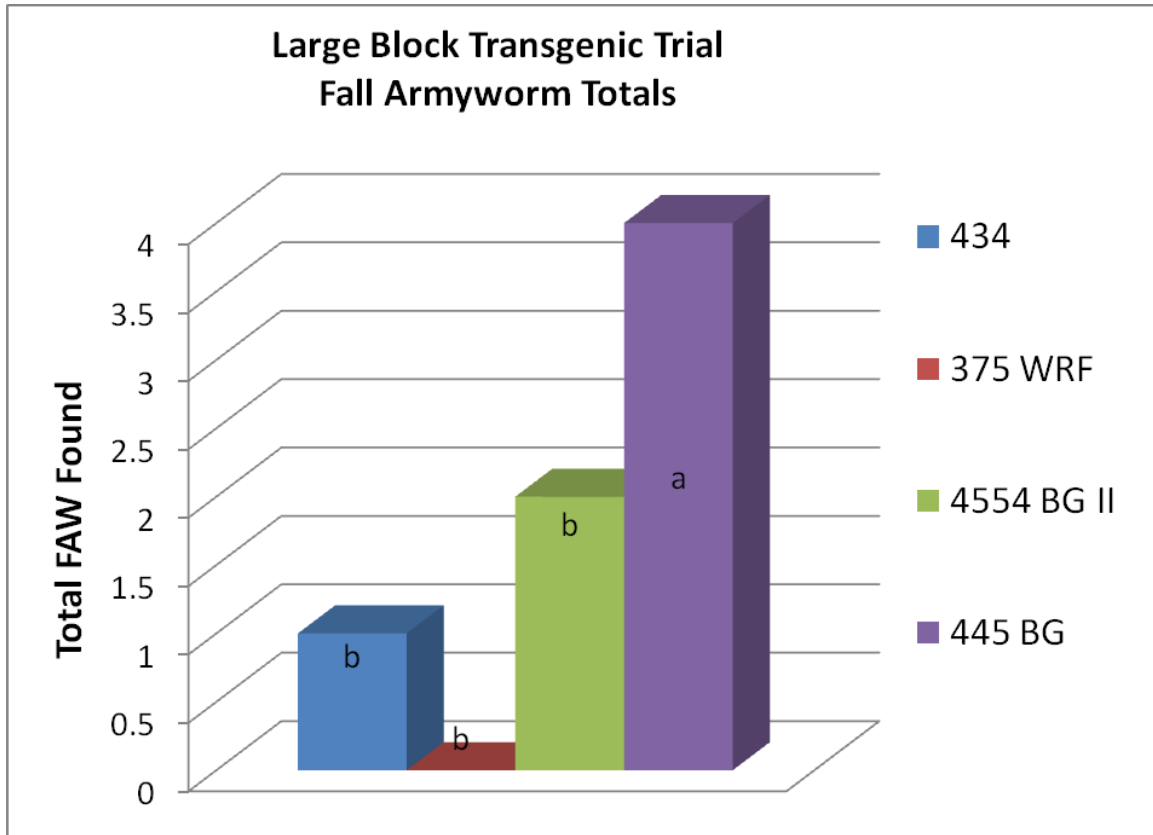
Application Date: July 30, 2008 (434 Only)

Rating Date: July 22, 30, August 8, 13, 2008



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

Chart 2. Large Block Transgenic FAW Totals
Application Date: July 30, 2008 (434 Only)
Rating Date: August 8, 2008

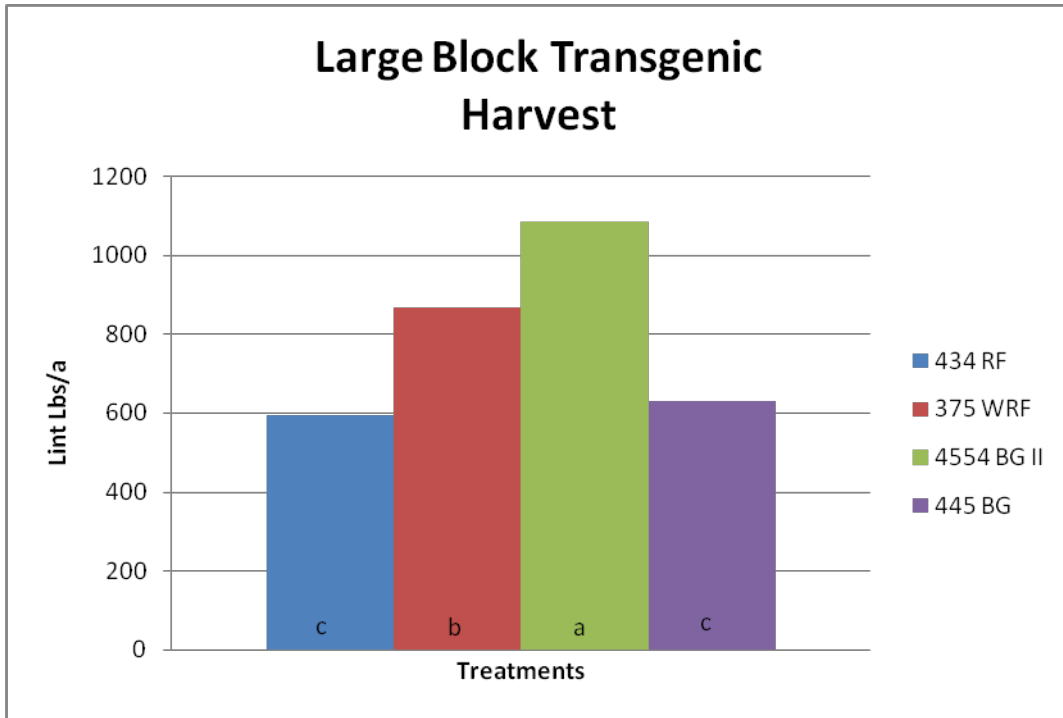


*Means followed by same letter do not significantly differ (P=.10)

Chart 3. Large Block Transgenic Harvest Data

Planting Date: May 19, 2008

Harvest Date: October 15, 2008



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