

Project Code: N/A

Project Title: Soybean Foliar Trial, Evans Farm, Lonoke Co., 2008

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: Bollworm, Looper, Three Corner Alfalfa Hopper
Crop: Soybeans
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: August 29, 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 Lonoke CO., AR. 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 29in nozzle spacing. Spray volume was 10 gal/a, at 40 psi. Insect density was determined by counting all insects from 25 sweep net samples in each plot. Data was compared against each treatment and the check. Data was processed using Agriculture Research Manager Version 8, AOV, and Duncan's New Multiple Range Test (P=0.10).

RESULTS

Table 1 Efficacy of Various Insecticides for Control of Soybean Leps. (12 DAT).

Application Date: August 29, 2008

Rating Date: September 10, 2008

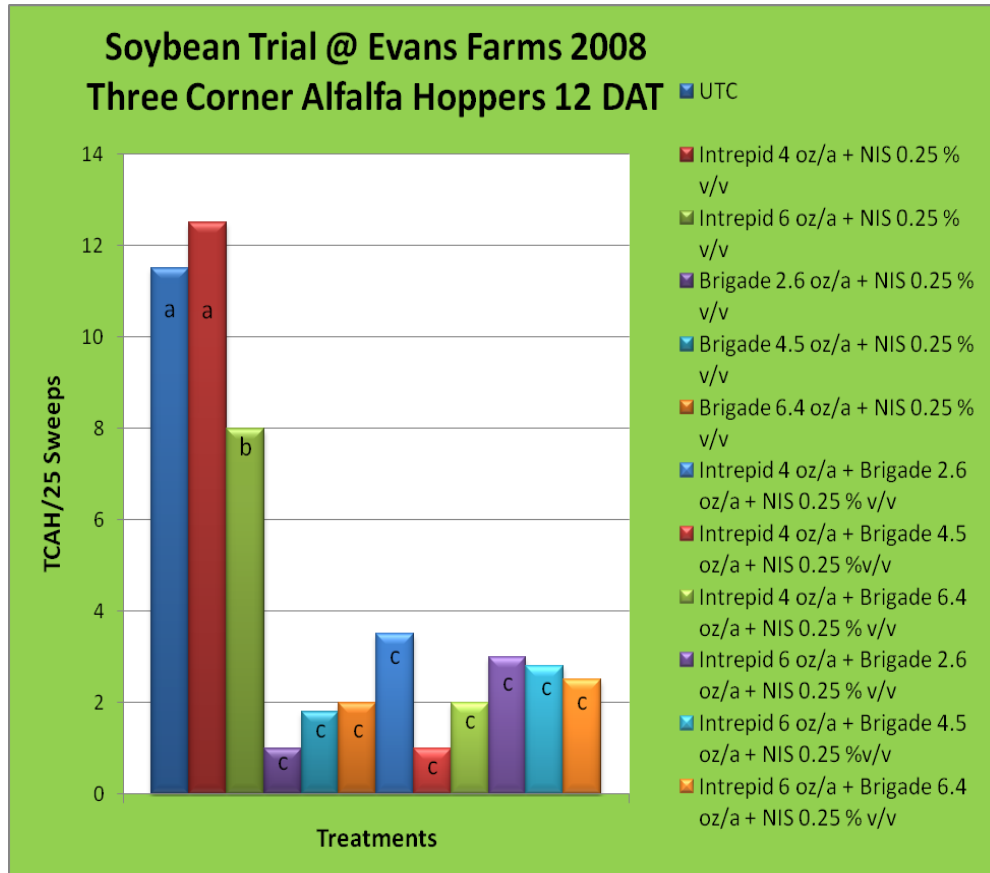
Soybean Foliar Trial, Soybean Loopers and Bollworms 12 Days After Treatment		
Treatment Name	LOOPER	BW
UTC	2.3 a	1.5 a
Intrepid 4 oz/a + NIS 0.25 % v/v	0 a	2.5 a
Intrepid 6 oz/a + NIS 0.25 % v/v	0.8 a	0.8 a
Brigade 2.6 oz/a + NIS 0.25 % v/v	0.3 a	1 a
Brigade 4.5 oz/a + NIS 0.25 % v/v	0 a	0.5 a
Brigade 6.4 oz/a + NIS 0.25 % v/v	0 a	1 a
Intrepid 4 oz/a + Brigade 2.6 oz/a + NIS 0.25 % v/v	0.8 a	1.5 a
Intrepid 4 oz/a + Brigade 4.5 oz/a + NIS 0.25 %v/v	0.5 a	0.3 a
Intrepid 4 oz/a + Brigade 6.4 oz/a + NIS 0.25 % v/v	1 a	0.3 a
Intrepid 6 oz/a + Brigade 2.6 oz/a + NIS 0.25 % v/v	0 a	1 a
Intrepid 6 oz/a + Brigade 4.5 oz/a + NIS 0.25 %v/v	0.8 a	0.8 a
Intrepid 6 oz/a + Brigade 6.4 oz/a + NIS 0.25 % v/v	0.3 a	0.8 a

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

Chart 1 Efficacy of Various Insecticides for Control of Three Corner Alfalfa Hoppers (12 DAT).

Application Date: August 29, 2008

Rating Date: September 10, 2008



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

Table 2 Efficacy of Various Insecticides for Control of Three Corner Alfalfa Hoppers. (12 DAT).

Application Date: August 29, 2008

Rating Date: September 10, 2008

Soybean Foliar Trial, Three Corner Alfalfa Hoppers 12 Days After Treatment	
Treatment Name	TCAH
UTC	11.5 a
Intrepid 4 oz/a + NIS 0.25 % v/v	12.5 a
Intrepid 6 oz/a + NIS 0.25 % v/v	8 b
Brigade 2.6 oz/a + NIS 0.25 % v/v	1 c
Brigade 4.5 oz/a + NIS 0.25 % v/v	1.8 c
Brigade 6.4 oz/a + NIS 0.25 % v/v	2 c
Intrepid 4 oz/a + Brigade 2.6 oz/a + NIS 0.25 % v/v	3.5 c
Intrepid 4 oz/a + Brigade 4.5 oz/a + NIS 0.25 %v/v	1 c
Intrepid 4 oz/a + Brigade 6.4 oz/a + NIS 0.25 % v/v	2 c
Intrepid 6 oz/a + Brigade 2.6 oz/a + NIS 0.25 % v/v	3 c
Intrepid 6 oz/a + Brigade 4.5 oz/a + NIS 0.25 %v/v	2.8 c
Intrepid 6 oz/a + Brigade 6.4 oz/a + NIS 0.25 % v/v	2.5 c