

# University of Tennessee

## Evaluation of Potential Safening Effect of Insecticide Seed Treatments on Pre-emergent Herbicides in Soybean, Test 2 - Madison Co.

Location: West TN Research and Education Center - Jackson

Variety: Schillenger 495.RC (planted 5-6-16)

Application: Appl A 4-25-16; Appl B at-plant 5-6-16 Backpack sprayer (15 GPA); Appl C at-plant IST

Plot: 2 rows x 35 ft (RCBD, 4 Reps)

Investigators: Stewart, S. Steckel, Williams

BLB = Bean Leaf Beetle; % Defol = % Defoliation

Description					Vigor	Vigor	Vigor	Yield
Rating Date					5/19/2016	5/23/2016	6/7/2016	9/28/2016
Sample Size, Unit					1 Plot	1 Plot	1 Plot	Bu/A
Plant-Eval Interval					13 DA-B	17 DA-B	32 DA-B	145 DP-1
Treatment	Formulation		Rate		Appl			
1 Cruiser	5 Lb/gal	1.28 fl oz/cwt	C	3.2 bcd	3.5 cd	3.6 bc	55.4 a	
LeadOff	33.3 %	1.5 oz wt/a	A					
2 Cruiser	5 Lb/gal	1.28 fl oz/cwt	C	2.2 e	2.2 e	2.8 de	56.2 a	
Fierce	76 %	3.75 oz/a	B					
3 Cruiser	5 Lb/gal	1.28 fl oz/cwt	C	3.1 cd	3.7 bc	3.9 ab	62.1 a	
Clarity	4 Lbae/gal	8 fl oz/a	A					
4 Cruiser	5 Lb/gal	1.28 fl oz/cwt	C	3.7 a	4.0 a	4.1 a	57.0 a	
Untreated			C					
5 Gaucho	5 Lb/gal	2 fl oz/cwt	C	3.2 bcd	3.5 cd	3.4 c	49.2 a	
LeadOff	33.3 %	1.5 oz wt/a	A					
6 Gaucho	5 Lb/gal	2 fl oz/cwt	C	1.8 f	2.0 e	2.4 e	55.2 a	
Fierce	76 %	3.75 oz/a	B					
7 Gaucho	5 Lb/gal	2 fl oz/cwt	C	3.6 abc	3.7 ab	3.9 ab	65.6 a	
Clarity	4 Lbae/gal	8 fl oz/a	A					
8 Gaucho	5 Lb/gal	2 fl oz/cwt	C	3.6 abc	4.0 a	3.9 ab	63.7 a	
Untreated			C					
9 Untreated			C	3.1 d	3.4 d	3.2 cd	52.2 a	
LeadOff	33.3 %	1.5 oz wt/a	A					
10 Untreated			C	1.9 ef	2.0 e	2.7 e	56.8 a	
Fierce	76 %	3.75 oz/a	B					
11 Untreated			C	3.4 a-d	3.6 bcd	4.0 ab	59.8 a	
Clarity	4 Lbae/gal	8 fl oz/a	A					
12 Untreated			C	3.6 ab	3.6 bcd	4.1 a	63.1 a	
Untreated			C					

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)