

# University of Tennessee

## Diamond Insecticide Tankmix Partner Trial

Location: West Tennessee Research and Education Center at Jackson

Variety: ST 4554 B2RF (planted 5-19-08)

Application: 7-2-08, 7-8-08, 7-23-08, 8-6-08, High clearance sprayer (8 GPA, 46 PSI, FF 8001)

Ratings: 2 drop cloths per plot (10 row ft), Aphids per 10 leaves, Boll damage 10 bolls per plot

Plots: 4 rows X 35 ft (RCBD, 4 Reps)

Investigators: Stewart, Willis, S. Steckel

Total PB = Total Plant Bugs (Tarnished + Clouded)

Total SB = Total Stink Bugs (Green + Brown)

Description	Rate		Total PB 7/8/2008 6 DA-A	Total PB 7/15/2008 7 DA-B	Total SB 7/15/2008 7 DA-B	Total PB 7/22/2008 14 DA-B	Total SB 7/22/2008 14 DA-B	Aphids 7/22/2008 14 DA-B	Aphids 7/23/2008 15 DA-B	Total PB 7/30/2008 7 DA-C	Total SB 7/30/2008 7 DA-C	Total PB 8/6/2008 14 DA-C
1 Diamond	0.83 LB/GAL	3 fl oz/a	1.00 a	0.50 a	0.30 a	0.00 a	1.00 a	0.50 b	159.80	1.50 a	2.50 a	0.50 c
2 Diamond	0.83 LB/GAL	4 fl oz/a	0.00 a	0.00 a	0.80 a	1.00 a	1.50 a	1.50 a	264.80	1.30 a	2.00 a	0.00 c
3 Diamond	0.83 LB/GAL	6 fl oz/a	1.30 a	0.00 a	0.30 a	0.00 a	0.50 a	1.80 a	326.50	0.00 a	1.50 a	0.00 c
4 Diamond	0.83 LB/GAL	3 fl oz/a	0.50 a	0.00 a	0.30 a	0.50 a	1.00 a	0.00 b	24.50	0.00 a	1.50 a	0.30 c
Centric	40 %	1.5 oz wt/a										
5 Diamond	0.83 LB/GAL	4 fl oz/a	0.50 a	0.00 a	0.00 a	0.50 a	1.80 a	0.00 b	48.50	0.50 a	1.30 a	0.00 c
Centric	40 %	1.5 oz wt/a										
6 Diamond	0.83 LB/GAL	8 fl oz/a	0.80 a	0.50 a	0.00 a	0.50 a	0.80 a	0.00 b	121.50	0.00 a	0.80 a	0.50 c
Centric	40 %	1.5 oz wt/a										
7 Centric	40 %	1.5 oz wt/a	0.30 a	0.50 a	0.00 a	1.30 a	0.80 a	0.30 b	18.30	1.30 a	1.30 a	3.30 b
8 Untreated Check			0.80 a	0.80 a	0.30 a	1.00 a	2.80 a	0.00 b	23.30	4.30 a	3.30 a	11.50 a

Description	Rate		Total SB 8/6/2008 14 DA-C	Total PB 8/11/2008 5 DA-D	Total SB 8/11/2008 5 DA-D	Boll damage 8/12/2008 ALL 6 DA-D	Seedcotton 10/6/2008 Lb/A 96 DA-A
1 Diamond	0.83 LB/GAL	3 fl oz/a	2.00 a	0.30 b	10.30 a	7.80 ab	2704.00 d
2 Diamond	0.83 LB/GAL	4 fl oz/a	3.50 a	0.00 b	2.30 a	6.00 bc	2939.37 cd
3 Diamond	0.83 LB/GAL	6 fl oz/a	2.50 a	0.00 b	2.00 a	5.00 c	3145.31 bc
4 Diamond	0.83 LB/GAL	3 fl oz/a	3.00 a	0.30 b	2.30 a	3.80 cd	3465.11 ab
Centric	40 %	1.5 oz wt/a					
5 Diamond	0.83 LB/GAL	4 fl oz/a	4.30 a	0.00 b	2.30 a	2.30 d	3203.39 bc
Centric	40 %	1.5 oz wt/a					
6 Diamond	0.83 LB/GAL	8 fl oz/a	3.00 a	0.00 b	1.30 a	2.30 d	3585.09 a
Centric	40 %	1.5 oz wt/a					
7 Centric	40 %	1.5 oz wt/a	3.00 a	4.50 a	2.50 a	3.80 cd	3033.36 cd
8 Untreated Check			4.30 a	6.50 a	5.50 a	9.30 a	2211.50 e

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