

# University of Tennessee

## TPB Trial in Cotton - Lauderdale Co.

Location: Lauderdale County, TN

Variety: PHY 375 WRF (planted 5-23-08)

Application: 8-1-08 and 8-11-08, High clearance sprayer (8 GPA, 46 PSI, FF 8001)

Rating: 2 drop cloths per plot (10 row ft)

Plots: 4 Rows x 50 ft (RCBD, 4 Reps)

Investigators: Stewart, Willis, S. Steckel

TPB = Tarnished Plant Bug, CPB = Clouded Plant Bug, PB = Plant Bugs (Tarnished + Clouded)

Total Bugs = Total Plant Bugs + Total Stink Bugs (Green + Brown)

Description					TPB	TPB	CPB	CPB	Total PB	Total Bugs
Rating Date					8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008
Pest Stage					Adult	Immature	Adult	Immature	Total	Total
Trt-Eval Interval					4 DA-A	4 DA-A	4 DA-A	4 DA-A	4 DA-A	4 DA-A
Treatment		Rate								
1	Carbine	50	WG	2.02 oz wt/a	0.00 a	5.75 ab	0.75 a	2.25 a	8.75 ab	11.00 ab
2	Carbine	50	WG	2.6 oz wt/a	0.25 a	2.25 c	0.75 a	1.25 a	4.50 cd	5.50 c
3	Centric	40	WG	1.5 oz wt/a	0.00 a	2.50 bc	1.00 a	1.50 a	5.00 bcd	6.00 c
4	Centric	40	WG	2 oz wt/a	0.25 a	1.75 c	0.25 a	0.25 a	2.50 cd	3.50 c
5	Trimax Pro	4.44	L	1.35 fl oz/a	0.75 a	2.50 bc	0.25 a	2.00 a	5.50 bc	7.25 bc
6	Bidrin	8	EC	6 fl oz/a	0.50 a	1.50 c	0.00 a	0.25 a	2.25 cd	2.50 c
7	Orthene	90	SP	0.75 lb/a	0.00 a	1.25 c	0.00 a	0.25 a	1.50 d	3.00 c
8	Vydate	3.77	EC	13.5 fl oz/a	0.00 a	1.75 c	0.50 a	0.50 a	2.75 cd	3.00 c
9	Endigo 2.06 SC	247	SC	4.97 fl oz/a	0.00 a	1.25 c	0.00 a	1.00 a	2.25 cd	2.50 c
10	Endigo 2.06 SC	247	SC	5.47 fl oz/a	0.00 a	3.25 bc	0.00 a	1.00 a	4.25 cd	5.00 c
11	Untreated Check				0.50 a	7.00 a	0.00 a	3.25 a	10.75 a	12.50 a

Description					TPB	TPB	CPB	CPB	Total PB	Total Bugs
Rating Date					8/15/2008	8/15/2008	8/15/2008	8/15/2008	8/15/2008	8/15/2008
Pest Stage					Adult	Immature	Adult	Immature	Total	Total
Trt-Eval Interval					4 DA-B	4 DA-B	4 DA-B	4 DA-B	4 DA-B	4 DA-B
Treatment		Rate								
1	Carbine	50	WG	2.02 oz wt/a	1.00 a	2.00 b	1.75 a	1.25 b	6.00 b	8.50 b
2	Carbine	50	WG	2.6 oz wt/a	0.50 a	3.25 b	0.25 b	0.50 c	4.50 b	5.75 b
3	Centric	40	WG	1.5 oz wt/a	0.50 a	0.25 c	0.50 b	0.00 c	1.25 c	2.50 c
4	Centric	40	WG	2 oz wt/a	1.00 a	0.50 c	0.50 b	0.00 c	2.00 c	2.00 c
5	Trimax Pro	4.44	L	1.35 fl oz/a	0.25 a	0.50 c	0.00 b	0.00 c	0.75 c	0.75 c
6	Bidrin	8	EC	6 fl oz/a	0.00 a	0.25 c	0.00 b	0.00 c	0.25 c	0.50 c
7	Orthene	90	SP	0.75 lb/a	0.25 a	0.00 c	0.00 b	0.00 c	0.25 c	0.25 c
8	Vydate	3.77	EC	13.5 fl oz/a	0.00 a	0.25 c	0.00 b	0.00 c	0.25 c	0.25 c
9	Endigo 2.06 SC	247	SC	4.97 fl oz/a	0.25 a	0.50 c	0.25 b	0.00 c	1.00 c	1.00 c
10	Endigo 2.06 SC	247	SC	5.47 fl oz/a	0.25 a	0.25 c	0.00 b	0.00 c	0.50 c	0.50 c
11	Untreated Check				1.00 a	10.75 a	0.25 b	2.50 a	14.50 a	15.75 a

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

# Mid Season Bug Trial - Cotton 2008

Lauderdale Co., TN

