

University of Tennessee

Plant Bug 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

Total PB = Total Plant Bugs, 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	Bidrin XP	10	EC	4 fl oz/a	0.00 a	1.75 a	0.00 a	0.25 b	2.00 b	2.00 bc
2	BAS 32005I	200	EC	16.1 fl oz/a	0.00 a	2.00 a	0.00 a	0.50 b	2.50 b	3.25 bc
	Penetrator Plus	100	EC	0.5 % v/v						
3	BAS 32005I	200	EC	16.1 fl oz/a	0.25 a	2.25 a	0.25 a	1.25 b	4.00 b	4.50 bc
4	BAS 32005I	200	EC	19.2 fl oz/a	0.00 a	2.00 a	0.00 a	0.75 b	2.75 b	3.25 bc
	Penetrator Plus	100	EC	0.5 % v/v						
5	Orthene	90	SP	13.33 oz wt/a	0.25 a	1.00 a	0.00 a	0.25 b	1.50 b	1.75 bc
	X-77	100	SL	0.25 % v/v						
6	BAS 32005I	200	EC	19.2 fl oz/a	0.25 a	4.50 a	0.00 a	0.25 b	5.00 b	5.75 b
7	Diclotophos	8	EC	6 fl oz/a	0.25 a	2.00 a	0.00 a	0.00 b	2.25 b	2.50 bc
8	Bidrin	8	EC	6 fl oz/a	0.00 a	0.25 a	0.00 a	0.25 b	0.50 b	0.75 c
9	Vydate	3.77	EC	12 fl oz/a	0.25 a	1.25 a	0.00 a	0.75 b	2.25 b	3.00 bc
10	Asana XL	0.67	EC	7.64 fl oz/a	0.25 a	2.50 a	0.00 a	0.25 b	3.00 b	3.25 bc
	Vydate	3.77	EC	8 fl oz/a						
11	Untreated Check				0.75 a	6.75 a	0.25 a	4.75 a	12.50 a	13.25 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	Bidrin XP	10	EC	4 fl oz/a	0.00 a	0.00 d	0.00 a	0.00 b	0.00 e	0.00 e
2	BAS 32005I	200	EC	16.1 fl oz/a	0.67 a	3.67 bc	0.00 a	0.67 b	5.00 bcd	5.33 bcd
	Penetrator Plus	100	EC	0.5 % v/v						
3	BAS 32005I	200	EC	16.1 fl oz/a	1.25 a	4.25 b	1.25 a	0.25 b	7.00 b	7.75 b
4	BAS 32005I	200	EC	19.2 fl oz/a	1.00 a	0.67 bcd	0.00 a	1.00 b	2.67 b-e	3.00 b-e
	Penetrator Plus	100	EC	0.5 % v/v						
5	Orthene	90	SP	13.33 oz wt/a	0.00 a	0.25 cd	0.00 a	0.00 b	0.25 e	0.25 e
	X-77	100	SL	0.25 % v/v						
6	BAS 32005I	200	EC	19.2 fl oz/a	1.33 a	3.00 bcd	0.00 a	1.00 b	5.33 bc	6.00 bc
7	Diclotophos	8	EC	6 fl oz/a	0.25 a	0.25 cd	0.00 a	0.00 b	0.50 de	0.50 de
8	Bidrin	8	EC	6 fl oz/a	0.00 a	1.25 bcd	0.00 a	0.00 b	1.25 cde	1.50 cde
9	Vydate	3.77	EC	12 fl oz/a	0.25 a	0.50 cd	0.25 a	0.00 b	1.00 cde	1.50 cde
10	Asana XL	0.67	EC	7.64 fl oz/a	0.67 a	1.00 bcd	0.33 a	0.33 b	2.33 cde	2.33 cde
	Vydate	3.77	EC	8 fl oz/a						
11	Untreated Check				1.00 a	13.25 a	0.75 a	2.50 a	17.50 a	21.50 a

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

Mid Season Bug Trial - Cotton 2008

Lauderdale Co., TN

