

University of Tennessee

TPB Foliar Trial - Methyl and Prolex

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)

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

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

Investigators: Stewart, Willis, S. Steckel

TPB = Tarnished Plant Bug, CPB = Clouded Plant Bug, SB = Stink Bugs (Green + Brown)

Total Bugs = Total Plant Bugs + Total Stink Bugs

Description	Rate		TPB 8/5/2008 Adult 4 DA-A	TPB 8/5/2008 Immature 4 DA-A	CPB 8/5/2008 Adult 4 DA-A	CPB 8/5/2008 Immature 4 DA-A	Total SB 8/5/2008 Total 4 DA-A	Total Bugs 8/5/2008 Total 4 DA-A						
1 Methyl Parathion	4 EC	0.5 pt/a	0.25	a	3.00	bc	0.25	a	0.50	b	0.00	a	4.00	bc
Prolex	1.25 EC	0.875 fl oz/a												
2 Methyl Parathion	4 EC	0.75 pt/a	0.25	a	1.00	cd	0.00	a	0.25	b	0.25	a	1.75	c
Prolex	1.25 EC	1.3 fl oz/a												
3 Methyl Parathion	4 EC	1 pt/a	0.00	a	0.75	d	0.00	a	0.75	b	0.00	a	1.50	c
Prolex	1.25 EC	1.75 fl oz/a												
4 Methyl Parathion	4 EC	1 pt/a	0.75	a	3.00	bc	0.00	a	0.00	b	0.00	a	3.75	bc
5 Prolex	1.25 EC	1.75 fl oz/a	0.00	a	3.75	b	0.25	a	1.25	b	0.75	a	6.00	b
6 Bidrin	8 EC	6 fl oz/a	0.25	a	0.75	d	0.75	a	0.50	b	0.00	a	2.25	c
7 Dimethoate	4 EC	8 fl oz/a	0.25	a	2.00	bcd	0.25	a	0.50	b	0.75	a	3.75	bc
Prolex	1.25 EC	1.3 fl oz/a												
8 Dimethoate	4 EC	8 fl oz/a	0.00	a	2.50	bcd	0.00	a	0.50	b	0.50	a	3.50	bc
9 Cobalt	30 EC	20 fl oz/a	0.25	a	1.00	cd	0.00	a	0.75	b	0.25	a	2.25	c
10 Untreated Check			0.50	a	8.00	a	0.25	a	4.50	a	1.25	a	14.50	a

Description	Rate		TPB 8/15/2008 Adult 4 DA-B	TPB 8/15/2008 Immature 4 DA-B	CPB 8/15/2008 Adult 4 DA-B	CPB 8/15/2008 Immature 4 DA-B	Total Plant Bugs 8/15/2008 Total 4 DA-B	Total SB 8/15/2008 Total 4 DA-B	Total Bugs 8/15/2008 Total 4 DA-B							
1 Methyl Parathion	4 EC	0.5 pt/a	0.50	a	0.50	bc	0.00	a	0.25	a	1.25	bc	0.00	b	1.25	bcd
Prolex	1.25 EC	0.875 fl oz/a														
2 Methyl Parathion	4 EC	0.75 pt/a	0.25	a	1.75	bc	0.00	a	0.00	a	2.00	bc	0.00	b	2.00	bcd
Prolex	1.25 EC	1.3 fl oz/a														
3 Methyl Parathion	4 EC	1 pt/a	0.00	a	0.25	bc	0.00	a	0.00	a	0.25	c	0.00	b	0.25	cd
Prolex	1.25 EC	1.75 fl oz/a														
4 Methyl Parathion	4 EC	1 pt/a	1.00	a	2.50	b	0.25	a	0.00	a	3.75	b	0.00	b	3.75	bc
5 Prolex	1.25 EC	1.75 fl oz/a	0.00	a	2.00	bc	0.25	a	0.00	a	2.25	bc	0.25	b	2.50	bcd
6 Bidrin	8 EC	6 fl oz/a	0.00	a	0.00	c	0.00	a	0.00	a	0.00	c	0.00	b	0.00	d
7 Dimethoate	4 EC	8 fl oz/a	0.25	a	0.50	bc	0.00	a	0.00	a	0.75	c	0.00	b	0.75	bcd
Prolex	1.25 EC	1.3 fl oz/a														
8 Dimethoate	4 EC	8 fl oz/a	1.00	a	2.50	b	0.00	a	0.50	a	4.00	b	0.25	b	4.25	b
9 Cobalt	30 EC	20 fl oz/a	0.50	a	0.75	bc	0.25	a	0.00	a	1.50	bc	1.75	b	3.25	bcd
10 Untreated Check			1.25	a	10.00	a	1.25	a	0.75	a	13.25	a	3.75	a	17.00	a

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

Mid Season Bug Trial - Cotton 2008

Lauderdale Co., TN

