

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 and 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	Mustang Max	0.8	EC	3.68	fl oz/a	0.50	a	5.50	ab	0.25	a	0.75	a	7.00	ab	7.75	ab
2	Mustang Max	0.8	EC	3.68	fl oz/a	0.00	a	2.75	b-e	0.00	a	0.00	a	2.75	bcd	2.75	bcd
	Bidrin	8	EC	6	fl oz/a												
3	Brigade	2	EC	3.2	fl oz/a	0.00	a	0.25	e	0.00	a	0.25	a	0.50	d	0.75	d
4	Hero	1.24	EC	4.13	fl oz/a	0.25	a	2.00	b-e	0.25	a	0.75	a	3.25	bcd	3.50	bcd
5	Hero	1.24	EC	4.13	fl oz/a	0.25	a	1.25	cde	0.25	a	0.00	a	1.75	cd	1.75	cd
	Bidrin	8	EC	8	fl oz/a												
6	Endigo 2.06 SC	247	SC	4.97	fl oz/a	0.25	a	3.75	abc	0.25	a	1.00	a	5.25	bcd	5.50	bcd
7	Cobalt	30	EC	24	fl oz/a	0.00	a	3.00	bcd	0.00	a	0.00	a	3.00	bcd	3.25	bcd
8	Leverage	2.7	SE	3.8	fl oz/a	0.75	a	4.00	bc	0.25	a	0.75	a	5.75	bc	6.00	bc
	NIS	100	SL	3.83	fl oz/a												
9	Leverage	2.7	SE	5	fl oz/a	0.25	a	1.75	b-e	0.00	a	0.50	a	2.50	bcd	3.00	bcd
	NIS	100	SL	3.83	fl oz/a												
10	Bidrin	8	EC	6	fl oz/a	0.00	a	2.00	b-e	0.00	a	0.50	a	2.50	bcd	2.50	cd
11	Orthene	90	SP	0.75	lb/a	0.00	a	0.33	de	0.50	a	0.50	a	1.00	cd	1.00	cd
12	Untreated Check					0.25	a	9.00	a	0.25	a	1.75	a	11.25	a	12.75	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	Mustang Max	0.8	EC	3.68	fl oz/a	1.00	b	2.00	bc	0.25	a	1.00	a	4.25	bc	4.75	b
2	Mustang Max	0.8	EC	3.68	fl oz/a	0.00	c	0.00	c	0.00	a	0.00	a	0.00	c	0.25	c
	Bidrin	8	EC	6	fl oz/a												
3	Brigade	2	EC	3.2	fl oz/a	0.00	c	0.25	c	0.25	a	0.00	a	0.50	bc	0.50	c
4	Hero	1.24	EC	4.13	fl oz/a	0.00	c	0.00	c	0.00	a	0.00	a	0.00	c	0.00	c
5	Hero	1.24	EC	4.13	fl oz/a	0.00	c	0.00	c	0.00	a	0.00	a	0.00	c	0.00	c
	Bidrin	8	EC	8	fl oz/a												
6	Endigo 2.06 SC	247	SC	4.97	fl oz/a	0.00	c	0.33	c	0.67	a	0.33	a	1.33	bc	1.67	bc
7	Cobalt	30	EC	24	fl oz/a	0.00	c	0.33	c	0.33	a	0.00	a	0.67	bc	1.00	c
8	Leverage	2.7	SE	3.8	fl oz/a	0.67	bc	4.00	b	0.00	a	0.00	a	4.67	b	4.67	b
	NIS	100	SL	3.83	fl oz/a												
9	Leverage	2.7	SE	5	fl oz/a	0.00	c	0.00	c	0.00	a	0.67	a	0.67	bc	0.67	c
	NIS	100	SL	3.83	fl oz/a												
10	Bidrin	8	EC	6	fl oz/a	0.33	bc	1.33	bc	0.00	a	0.00	a	1.67	bc	2.00	bc
11	Orthene	90	SP	0.75	lb/a	1.00	b	0.33	c	0.00	a	0.00	a	1.33	bc	1.33	bc
12	Untreated Check					2.25	a	9.00	a	1.00	a	2.00	a	14.25	a	16.75	a

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

Mid Season Bug Trial - Cotton 2008

Lauderdale Co., TN

