

University of Tennessee

Plant Bug Trial in Cotton - Lauderdale Co.

Location: Lauderdale County, TN

Variety: STN4554 B2RF (planted 4/26/07)

Application: 7/26/07, High-clearance sprayer (8 GPA, 43 PSI, TX 6)

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

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

Investigators: Stewart, Willis, S.Steckel, Hanks

TPB= Tarnished Plant Bug

CPB= Clouded Plant Bug

GSB= Green Stink Bug

BSB= Brown Stink Bug

Pest Name	TPB	TPB	CPB	CPB	GSB	GSB	BSB	BSB	Total bugs	
Pest Stage	Adult	Immature	Adult	Immature	Adult	Immature	Adult	Immature	Total	
Rating Date	7/30/07	7/30/07	7/30/07	7/30/07	7/30/07	7/30/07	7/30/07	7/30/07	7/30/07	
Days After Last Applic.	4	4	4	4	4	4	4	4	4	
Treatment	Rate									
1 Endigo 2.06SC	4 fl oz/a	0.3 a	0.7 d	0.0 a	0.0 a	0.3 a	0.0 a	0.0 a	0.3 a	1.7 cde
2 Leverage 2.7SE	3 fl oz/a	1.3 a	4.3 ab	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	5.7 b
3 Mustang Max 0.8EC	2.7 fl oz/a	0.3 a	1.3 cd	0.0 a	0.3 a	0.0 a	0.0 a	0.0 a	0.0 a	2.0 cde
Carbine 50WG	2 oz wt/a									
4 Brigade 2EC	3.5 fl oz/a	0.3 a	0.7 d	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	1.0 de
Carbine 50WG	2 oz wt/a									
5 Asana XL 0.67EC	7.5 fl oz/a	0.0 a	1.7 cd	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	1.7 cde
Intruder 70WG	0.8 oz wt/a									
6 Ammo 2.5EC	3.5 fl oz/a	1.0 a	0.3 d	0.0 a	0.3 a	0.0 a	0.0 a	0.0 a	0.0 a	1.7 cde
Orthene 90S	0.33 lb/a									
7 Bidrin 8EC	6 fl oz/a	0.3 a	0.0 d	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.3 e
8 Diamond 0.83EC	6 fl oz/a	0.7 a	2.0 bcd	0.0 a	0.0 a	0.3 a	0.0 a	0.0 a	0.0 a	3.0 cd
9 Diamond 0.83EC	4 fl oz/a	0.3 a	0.0 d	0.3 a	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.7 de
Bidrin 8EC	4 fl oz/a									
10 Asana XL 0.67EC	7.5 fl oz/a	0.7 a	3.3 abc	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	4.0 bc
Vydate 3.77EC	8 fl oz/a									
11 Untreated Check		2.0 a	4.7 a	0.3 a	1.3 a	0.0 a	0.0 a	0.0 a	0.0 a	8.3 a

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