

University of Tennessee

Seed Treatment Trial in Soybeans

Location: West Tennessee Research and Education Center at Jackson

Application: At planting (4-30-08)

Ratings: Stand counts (10 row ft), Vigor ratings (0-5 scale), %Defoliation (0-100 scale)

Plots: 4 Rows X 30 ft (RCBD, 4 Reps)

Investigators: Stewart

Description					Stand Counts	Total Thrips	Vigor Rating	% Defoliation	Total Thrips	Vigor Rating	Yield
Rating Date					5/12/2008	5/15/2008	5/22/2008	5/22/2008	5/22/2008	6/2/2008	9/22/2008
Pest Stage						Ad+Imm			Ad + Imm		
Trt-Eval Interval					12 DA-A	15 DA-A	22 DA-A	22 DA-A	22 DA-A	33 DA-A	150 DA-A
Trt Treatment	Rate										
1 Untreated Check					50.80 a	9.00 a	3.35 a	2.00 ab	45.80 a	3.95 a	64.00 a
2 TRILEX ALLEGIANCE	138.5	GA/L	65	ml/100000 seed	51.50 a	13.00 a	3.40 a	2.50 a	51.00 a	3.95 a	58.40 a
YIELD SHIELD	10000	IU/G	6.25	g/100000 seed							
PRO-IZED RED COLORANT	100	%	19.6	ml/100000 seed							
3 TRILEX ALLEGIANCE	138.5	GA/L	65	ml/100000 seed	53.30 a	13.50 a	3.53 a	1.00 c	44.00 a	4.08 a	63.70 a
YIELD SHIELD	10000	IU/G	6.25	g/100000 seed							
PRO-IZED RED COLORANT	100	%	19.6	ml/100000 seed							
GAUCHO 600 FS	600	GA/L	62.5	g ai/100000 seed							
4 TRILEX ALLEGIANCE	138.5	GA/L	65	ml/100000 seed	54.30 a	13.30 a	3.50 a	0.80 c	42.00 a	4.10 a	58.00 a
YIELD SHIELD	10000	IU/G	6.25	g/100000 seed							
PRO-IZED RED COLORANT	100	%	19.6	ml/100000 seed							
AERIS SEED APPLIED	600	GA/L	125	g ai/100000 seed							
5 TRILEX ALLEGIANCE	138.5	GA/L	65	ml/100000 seed	54.50 a	11.30 a	3.43 a	0.80 c	27.80 a	3.95 a	64.30 a
YIELD SHIELD	10000	IU/G	6.25	g/100000 seed							
PRO-IZED RED COLORANT	100	%	19.6	ml/100000 seed							
GAUCHO 600 FS	600	GA/L	62.5	g ai/100000 seed							
GB126				ml/100000 seed							
6 TRILEX ALLEGIANCE	138.5	GA/L	65	ml/100000 seed	54.80 a	16.80 a	3.45 a	1.30 bc	42.30 a	4.00 a	65.10 a
YIELD SHIELD	10000	IU/G	6.25	g/100000 seed							
PRO-IZED RED COLORANT	100	%	19.6	ml/100000 seed							
GAUCHO 600 FS	600	GA/L	62.5	g ai/100000 seed							
GB126				ml/100000 seed							
7 TRILEX ALLEGIANCE	138.5	GA/L	65	ml/100000 seed	51.80 a	12.30 a	3.58 a	1.30 bc	42.00 a	4.00 a	63.90 a
YIELD SHIELD	10000	IU/G	6.25	g/100000 seed							
PRO-IZED RED COLORANT	100	%	19.6	ml/100000 seed							
TEST COMPOUND 1	100	IU/ML	1	ml/100000 seed							

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