

University of Tennessee

Regional Insecticide/Fungicide/Nematicide Seed Treatment Trial in Soybeans - Gibson Co.

Location: Research and Education Center at Milan

Variety: (planted 5-25-16)

Plot: 4 rows x 30 ft (RCBD, 4 Reps)

Investigators: Stewart, S. Steckel, Williams

% Defol = % Defoliation

Description			Vigor	Thrips injury	% Defol.	No. plants	Thrips Injury	Vigor	No. thrips	Vigor	Yield
Pest Stage Majority			0-5 scale	0-5 scale			0-5 scale	0-5 scale	Ad + Imm	0-5 scale	Bu/A
Sample Size, Unit			1 Plot	1 Plot	1 Plot	20 Rowft	1 Plot	1 Plot	5 Plants	1 Plot	
Rating Date			6/8/2016	6/8/2016	6/8/2016	6/10/2016	6/13/2016	6/13/2016	6/14/2016	6/19/2016	10/5/2016
Plant-Eval Interval			14 DAP	14 DAP	14 DAP	16 DAP	19 DAP	19 DAP	20 DAP	25 DAP	133 DAP
Treatment	Formulation	Rate									
1 Untreated			4.1 a	0.7 ab	2.5 a	73.8 a	0.7 b	4.4 b	41.5 a	4.3 d	52.6 a
2 Trilex 2000	1.15 lba/gal	1 fl oz/cwt	4.2 a	0.7 a	1.8 a	78.0 a	0.8 a	4.3 b	38.3 a	4.3 cd	55.2 a
3 Trilex 2000 + Poncho Votivo	1.15 lba/gal 5 lba/gal	1 fl oz/cwt 1.28 fl oz/cwt	4.3 a	0.4 cde	0.0 b	75.0 a	0.7 ab	4.4 b	50.0 a	4.6 ab	55.4 a
4 CruiserMaxx	2.42 lba/gal	3.2 fl oz/cwt	4.3 a	0.5 cd	0.5 b	81.5 a	0.7 ab	4.4 b	40.0 a	4.6 b	55.6 a
5 CruiserMaxx + Avicta	2.42 lba/gal 500 ga/l	3.2 fl oz/cwt 3.0 fl oz/cwt	4.5 a	0.3 ef	0.0 b	90.0 a	0.5 c	4.6 a	24.8 a	4.8 a	56.0 a
6 Intego Suite	0.239 lba/gal	3.37 fl oz/cwt	4.2 a	0.6 bc	0.8 b	71.0 a	0.7 ab	4.4 b	30.0 a	4.5 bc	55.2 a
7 Acceleron DX-109 Acceleron DX-309 Acceleron DX-409	1.67 lba/gal 2.6 lba/gal 600 ga/l	0.4 fl oz/cwt 0.8 fl oz/cwt 2 fl oz/cwt	4.4 a	0.3 ef	0.3 b	81.0 a	0.5 c	4.5 ab	31.8 a	4.7 ab	56.8 a
8 Acceleron DX-109 Acceleron DX-309 Acceleron DX-409 Poncho Votivo	1.67 lba/gal 2.6 lba/gal 600 ga/l 5 lba/gal	0.4 fl oz/cwt 0.8 fl oz/cwt 2 fl oz/cwt 1.28 fl oz/cwt	4.3 a	0.2 f	0.0 b	79.0 a	0.3 d	4.4 b	25.3 a	4.5 b	55.8 a
9 Aeris	5 lba/gal	3.2 fl oz/cwt	4.2 a	0.3 def	0.3 b	77.3 a	0.4 d	4.4 b	39.5 a	4.5 b	54.6 a

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