

138
TX-44
330
2005

Plant Pathology

Sclerotinia/Boytrytis Blight Control in Texas South Plains Peanut

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Summary

A field trial was conducted in Gaines County Texas to evaluate various fungicides for Sclerotinia/Boytrytis Blight control in peanut. Fungicides included: Endura, Omega, V-10116, Topsin, Abound, Botran, Bravo, and an Untreated Control (UTC). Fungicides were applied from Early August through September and varied based on treatment. Disease ratings and peanut yield, grade, and value can be seen in the following tables.

Gaines Sclerotinia/Botritis Legend

Treatment	Product	Timing	Amt/Acre
1	Endura	Early August & Late August	9 oz
2	Endura fb Omega	Early August Late August	9 oz 1.5 pt
3	V-10116 NIS	4, 5, 6, 7	0.16 .125% v v
4	V-10116 NIS	4, 5, 6, 7	.21 lb/# .125% v v
5	V-10116 NIS	4, 5, 6, 7	.250# .125% v v
6	V-10116 NIS	4, 5, 6, 7	.312 # .125% v v
7	Omega 500 NIS	Early August & Late August	1.25 pts. .125% v v
8	Topsin Abound	Early August & Late August September	1 #
9	Botran Abound	4, 5, 6, 7 September	2 #
10	Bravo Abound	Early August & Late August September	1.5 pts
11	UTC		

Runner type peanut

All values based on loan price

Planted: 5-5-05

Harvested: 10-26-05

Plot size: 2 rows X 100 X 3 ft.

**2005 Sclerotinia Trial
Gaines County**

Disease Rating

21-Oct-05

Treatment	Product	Rep 1	Rep 2	Rep 3	Average
1	Endura	4	3	1	2.6
2	Endura Omega	3	3	3	3
3	V-10116 - 3 grams NIS	5	4	3	4
4	V-10116 - 4 grams NIS	1	1	0	0.66
5	V-10116 - 5 grams NIS	2	1	0	1
6	V-10116 - 6 grams NIS	1	2	0	1
7	Omega NIS	1	0	0	0.33
8	Topsin Abound	1	2	4	2.3
9	Botran Abound	0	3	0	1
10	Bravo Abound	0	4	0	1.3
11	UTC	0	1	0	0.33

Note: Number of sclerotinia hits per plot.

**Gaines Sclerotinia
2005**

Treatment	Rep	Yield	% SMK + SS	% Damaged	% Inmature	Value/Ton	Value/Acre
1	1	7916	74%	1%	1%		
	2	7985	75%	1%	1%		
	3	8872	77%	0%	0%		
	Avg	8258	75%	1%	1%	\$ 364.00	\$ 1,501.00
2	1	7848	74%	1%	1%		
	2	7712	76%	1%	1%		
	3	7780	76%	1%	1%		
	Avg	7780	75%	1%	1%	\$ 364.00	\$ 1,414.00
3	1	8189	76%	0%	1%		
	2	7916	77%	1%	1%		
	3	8121	78%	0%	1%		
	Avg	8076	77%	0%	1%	\$ 373.00	\$ 1,507.00
4	1	7985	75%	0%	1%		
	2	7234	78%	1%	0%		
	3	8189	77%	0%	0%		
	Avg	7803	77%	0%	0%	\$ 372.00	\$ 1,451.00
5	1	8326	77%	1%	1%		
	2	6893	76%	1%	2%		
	3	8667	78%	0%	1%		
	Avg	7962	77%	0%	1%	\$ 373.00	\$ 1,486.00
6	1	7712	70%	1%	0%		
	2	7916	76%	1%	1%		
	3	7643	77%	1%	1%		
	Avg	7757	74%	1%	1%	\$ 359.00	\$ 1,391.00
7	1	7643	81%	0%	1%		
	2	7507	77%	0%	1%		
	3	8121	76%	0%	1%		
	Avg	7757	78%	0%	1%	\$ 378.00	\$ 1,466.00
8	1	7370	76%	0%	1%		
	2	8803	77%	0%	0%		
	3	8121	82%	0%	0%		
	Avg	8098	79%	0%	0%	\$ 382.00	\$ 1,545.00
9	1	7575	78%	1%	0%		
	2	7166	77%	1%	1%		
	3	7712	72%	0%	1%		
	Avg	7484	76%	1%	1%	\$ 368.00	\$ 1,379.00
10	1	8189	75%	0%	1%		
	2	7848	76%	0%	1%		
	3	8667	77%	1%	1%		
	Avg	8235	76%	0%	1%	\$ 368.00	\$ 1,517.00
11	1	7439	76%	1%	1%		
	2	7643	76%	0%	1%		
	3	6824	76%	1%	1%		
	Avg	7302	76%	1%	1%	\$ 368.00	\$ 1,345.00