

Syngenta & Gustafson
Peanut Seed Treatment and Fungicide
Seedling Counts
Denver City, TX (Gaines County)
 May 12,17,24, & June 7, 2004

3,7,14,28 days after 1 st emergence counts																	
57	25	60	67	64	54	59	44	55	62	60	73	47	41	64	40	56	61
78	63	80	76	74	79	81	72	70	81	78	86	55	72	87	59	78	83
86	68	84	82	80	85	87	81	72	87	83	91	60	81	91	63	85	81
78	60	76	70	70	76	80	76	66	80	76	85	56	76	86	60	78	78
310	311	312	313	314	315	316	317	318	307	308	309	301	302	303	304	305	306
Rep. 3																	
56	32	48	41	47	54	47	45	41	75	64	65	58	36	60	55	51	44
72	58	74	76	70	77	59	75	68	83	77	75	74	63	68	68	74	79
79	70	85	85	76	82	65	84	79	88	88	79	77	70	74	78	82	86
75	64	80	83	70	79	62	80	75	87	82	74	73	66	77	69	74	79
213	214	215	210	211	212	201	202	203	204	205	206	216	217	218	207	208	209
Rep. 2																	
52	27	34	62	68	61	55	41	45	63	46	63	63	45	51	49	35	50
65	72	75	85	92	78	78	78	78	87	59	72	74	75	80	77	65	78
65	77	81	87	95	84	84	88	83	81	63	83	81	78	86	81	71	83
64	79	83	84	88	80	71	79	76	79	60	71	76	75	80	74	67	75
101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118
Rep. 1																	

Notes:

- Planted at 30 lbs/acre

Treatments:

1. Gustafson- Check
2. Gustafson- VitavaxPctops (L0293)
3. Gustafson- L1292-A1
4. Gustafson- L1294-A1
5. Gustafson- L1332-A1
6. Gustafson- L1226-A1, Thiram 42S, Allegiance, L0283-A1, Pro-Ized Seed Col.
7. Gustafson- Thiram 42S, RTU PCNB, L0283-A1, Pro-Ized Seed Col.
8. Gustafson- L1226-A1, Thiram 42S, Allegiance, RTU PCNB, L0283-A1, Pro-Ized Col./ Blue
9. Gustafson- L1138-A1
10. Gustafson- L1402
11. Syngenta- Check
12. Syngenta- Dynasty 12.25
13. Syngenta- Dynasty 14.0
14. Syngenta- Vitavax
15. Syngenta- Vitavax, **Abound (infurr) 1.0 mls**
16. Syngenta- Vitavax, **Abound (infurr) 0.5 mls**
17. Syngenta- Vitavax
18. Syngenta- Dynasty 14.0, **Abound (infurr) 0.5 mls**

The Gustafson and Syngenta Treatments were different seed lots all planted together on the same day.

On the yield sheets Syngenta was assigned 1-8 and Gustafson was assigned 1-10.

**Denver City Seed Treatment
Gustafson**

Treatment #	Chemical
1	Check
2	VitavaxPctops (L0293)
3	L1292-A1
4	L1294-A1
5	L1332-A1
6	L1226-A1, Thiram 42S, Allegiance, L0283-A1, Pro-Ized Seed Col.
7	Thiram 42S, RTU PCNB, L0283-A1, Pro-Ized Seed Col.
8	L1226-A1, Thiram 42S, Allegiance, RTU PCNB, L0283-A1, Pro-Ized Col./Blue
9	L1138-A1
10	L1402

There is considerable variability in this plot and yields are not up to expectation. Lack of sufficient irrigation water availability is probably the culprit.

**Denver City Seed Treatment
Gustafson**

Treatment	Rep	Yield #/acre	Grade	% Damaged	% Immature	Value/ \$ acre	Avg
1	1	3036	74%	2%	1%	547	565
	2	3432	73%	0%	2%	619	
	3	3036	72%	1%	3%	530	
2	1	2772	75%	1%	1%	504	612
	2	3564	73%	1%	2%	631	
	3	3960	73%	0%	3%	701	
3	1	3696	74%	1%	2%	663	619
	2	2640	74%	0%	2%	474	
	3	3960	75%	1%	1%	720	
4	1	3564	76%	0%	1%	657	614
	2	3432	75%	1%	1%	624	
	3	3168	73%	1%	2%	561	
5	1	3036	76%	0%	1%	560	615
	2	3432	74%	1%	1%	616	
	3	3828	72%	0%	3%	669	
6	1	3036	75%	0%	1%	552	672
	2	4092	76%	0%	1%	754	
	3	3960	74%	0%	2%	711	
7	1	3168	71%	3%	1%	540	665
	2	3696	74%	1%	2%	663	
	3	4356	75%	0%	1%	792	
8	1	3300	75%	1%	1%	600	605
	2	3300	72%	1%	3%	576	
	3	3564	74%	1%	2%	640	
9	1	2772	74%	3%	1%	493	642
	2	3564	73%	1%	1%	631	
	3	4356	76%	0%	1%	803	
10	1	1980	73%	3%	1%	347	652
	2	4224	74%	1%	1%	758	
	3	4620	76%	0%	1%	852	

Plot Size = 2 rows x 40" x 50'

Soil type = sandy loam

Planting date = April 27, 2004

Type = Runner

Planting weather: Air = 72° F

Soil = 62° F

Moisture = excellent

Harvest Date = October 20, 2004

All values are based on a loan value of \$356.06/ton with quality parameters.

**Denver City Seed Treatment
Syngenta**

Treatment #	Chemical
1	Check
2	Dynasty 12.25
3	Dynasty 14.0
4	Vitavax
5	Vitavax, Abound (infurr) 1.0 mls
6	Dynasty 14.0, Abound (infurr) 0.5 mls
7	Vitavax
8	Dynasty 14.0, Abound (infurr) 0.5 mls

Lack of sufficient irrigation water at critical times may account the variability.

**Denver City Seed Treatment
Syngenta**

Treatment	Rep	Yield #/acre	Grade	% Damaged	% Immature	Value/ \$ acre	Avg
1	1	2904	75%	0%	1%	528	650
	2	3696	74%	0%	2%	663	
	3	4224	74%	1%	2%	758	
2	1	3432	75%	0%	1%	624	702
	2	4224	74%	1%	1%	758	
	3	4092	73%	1%	1%	725	
3	1	3168	73%	0%	2%	561	686
	2	4488	74%	0%	1%	806	
	3	3696	77%	0%	1%	690	
4	1	3168	73%	1%	2%	561	675
	2	3960	72%	2%	2%	685	
	3	4224	76%	0%	1%	779	
5	1	4224	74%	0%	2%	758	779
	2	4620	75%	0%	1%	840	
	3	3960	77%	1%	1%	740	
6	1	3300	76%	0%	1%	608	657
	2	4224	73%	1%	2%	748	
	3	3432	74%	0%	1%	616	
7	1	2904	73%	1%	2%	514	600
	2	4224	71%	0%	2%	727	
	3	3036	76%	0%	2%	560	
8	1	2376	77%	0%	1%	444	657
	2	4488	74%	1%	1%	806	
	3	3960	75%	0%	1%	720	

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