

Texas South Plains Spanish Peanut Variety Trials, 2008

With 2-, 3-, 4-, & 5-Year Summaries



	Yoakum Co.	Hockley Co.
Cooperator	Shannon Patton	David Pearson
Location	East Yoakum Co.	NW Hockley Co.
Experimental Design	Modified RCBD, 4 reps.	Modified RCBD, 4 reps.
Total Rainfall + Irrigation	???	X" + 15"
Plot Size	rows X 40" X 40' = 533 sq	4 rows X 40" X 40' = 533 sq. ft.
Inoculant	???	Optimize Lift
Avg. Nodules per Plant	29	34
Total Fertilizer (lbs./A)--N/P2O5/K2O/S	???	3 tons manure compost (30-30-30) & 60N, 20S
Misc.		StimuPro PGR, 10 oz./A
Planting Date	5/13	5/5
Digging Date	9/26/09 (136 days)	10/10 {Field in Tamspan 90 (163 days)}
Threshing Date	9/30	10/22
Harvest Method	Small Combine	Small Combine

§Average grades do not include 2008 tests

Variety	Peanut Characteristics			Yoakum Co.		Hockley Co.		2008		2-Yr. 07-08		3-Yr. 06-08		4-Yr. 05-08		5-Yr. 04-08	
	Peanut Type	Market Use	High Oleic?	Avg. TSMK	Avg. Yield	Avg. TSMK	Avg. Yield	Avg. TSMK	Avg. Yield	Avg. TSMK	Avg. Yield	Avg. TSMK	Avg. Yield	Avg. TSMK	Avg. Yield	Avg. TSMK	Avg. Yield
				%	(lbs./A)	%	(lbs./A)	%	(lbs./A)	%	(lbs./A)	%	(lbs./A)	%	(lbs./A)	%	(lbs./A)
Tamspan 90	Spanish	Spanish	No	67.8	4,011	71.9	4,339	69.8	4,175	69.7	3,840	71.9	4,412	73.7	4,462	73.0	4,624
OLin	Spanish	Spanish	Yes	68.8	3,958	73.0	4,591	70.9	4,274	70.7	3,820	73.8	4,258	75.5	4,256	74.6	4,384
Spanco	Spanish	Spanish	No	72.7	3,494	70.5	4,875	71.6	4,185	71.6	3,704	73.0	4,246	73.3	4,174		
Pronto	Spanish	Spanish	No	73.6	3,544	75.1	4,035	74.3	3,789	73.5	3,465						
Tamnut OL06	Spanish	Run/Span	Yes	68.1	4,142	71.0	3,800	69.6	3,971	69.9	3,682	71.2	4,266				
AT9899-14	Runner†	Spanish	Yes	71.9	3,526	72.2	3,747	72.1	3,636	70.6	3,330	72.8	3,823	74.4	3,792	72.3	3,970
Flavor Runner 458	Runner	Runner	Yes	71.3	4,629	73.4	4,344	72.3	4,486	71.6	4,210		4,685				
Average				70.6	3,901	72.4	4,247	71.5	4,074	71.1	3,721	72.5	4,282	74.2	4,171	73.3	4,326

P-Value (Variety)	0.0002	0.0007	0.008	<0.0001
Sher's Protected Least Signif Difference (0.10)	2.1	393	1.9	318
Coefficient of Variation, CV (%)	4.1%	12.2%	2.7%	10.5%

†Numbers in a column followed by the same letter are not significantly different at 90% confidence level. This reflects that individual trial results of two treatments must vary by more than the calculated PLSD in order to be considered significantly different due to the treatment rather than other factors such as climate, plot location, differences in soil, etc.

‡Physiological parameters are Spanish type, but growth habit is miniature runner.

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