

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	4 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		4,011		4,339		4,175	69.6	3,840	71.9	4,412	73.7	4,462	73.0	4,624
OLin	Spanish	Spanish	Yes		3,958		4,591		4,274	70.5	3,820	73.8	4,258	75.5	4,256	74.6	4,384
Spanco	Spanish	Spanish	No		3,494		4,875		4,185	71.6	3,704	73.0	4,246	73.3	4,174		
Pronto	Spanish	Spanish	No		3,544		4,035		3,789	72.7	3,465						
Tamnut OL06	Spanish	Run/Span	Yes		4,142		3,800		3,971	70.2	3,682	71.2	4,266				
AT9899-14	Runner	Spanish	Yes		3,526		3,747		3,636	69.0	3,330	72.8	3,823	74.4	3,792	72.3	3,970
Flavor Runner 458	Runner	Runner	Yes		4,629		4,344		4,486	70.9	4,210		4,685				
<i>Average</i>					3,901		4,247		4,074	70.7	3,721	72.5	4,282	74.2	4,171	73.3	4,326

P-Value (Variety)		0.0007		<0.0001
Sher's Protected Least Signif Difference (0.10)		393		318
Coefficient of Variation, CV (%)		12.2%		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.

These trials conducted by Calvin Trostle, Extension Agronomy, Texas A&M-Lubbock, 806.746.6101, ctrostle@ag.tamu.edu with assistance from county ag. agents including J.W. Wagner and Arlan Gentry.