

South Plains Spanish Trials, 2005

With 2004 Results (one site in Terry Co.)



	Lamb Co.	Hockley Co.	Terry Co.
Cooperator	Brian Patterson	Jason Bailey	Buster Adair
Location	North of Littlefield	Hockley Co. (Whiteface)	Wellman, Terry Co.
Experimental Design	Modified RCBD	Modified RCBD	Modified RCBD
Number of Replications	Five	Six	Six
Plot Size	400 sq. ft.	600 sq. ft.	640 sq. ft.
Inoculant	Nitragin Lift (liquid)	Nitragin Lift (liquid)	JAP DynaStart (granular)
Avg. Nodules per Plant	36	41	22
Total N Fertilizer (lbs./A)	?	?	?
Planting Date	5/12/05	5/13/05	5/19/05
Digging Date	~10/16/05	~10/15/05	~10/27/05
Threshing Date	11/2/05	11/1/05	11/4/05
Harvest Method	Small Combine	Small Combine	Small Combine

Variety	2005 Texas Dept. of Agric.		2005 Seeds/pound	Lamb County		Hockley County		Terry County		2005	2005	Terry	County
	Regular germ. (%)	Cold germ. (%)		Avg. %TSMK	Avg. Yield (lbs./A)	Avg. %TSMK	Avg. Yield (lbs./A)	Avg. %TSMK	Avg. Yield (lbs./A)	Avg. %TSMK	Avg. Yield (lbs./A)	2004 Avg. %TSMK	2004 Avg. Yield (lbs./A)
Georgia GA 04S§	96	75	1,080	73.5	4,031 bc	76.5 b	4,722 a	76.8 a	5,182 a	75.6	4,645		
Tamspan 90	88	76	1,030	73.9	4,540 a	74.1 c	4,594 ab	77.1 a	4,711 b	75.1	4,615	73.1	5269
Private Exptl.	43	9	900	73.7	4,719 a	73.4 d	4,401 ab	76.6 a	4,356 c	73.9	4,432		
OLin	86	14	890	75.8	4,037 bc	77.9 a	4,360 b	74.5 c	4,175 c	76.8	4,251	74.3	4897
Spanco	91	61	910	73.7	4,388 ab	71.4 e	3,321 c	75.2 bc	4,169 c	73.4	3,959		
AT 9899-14§	80	49	940	74.7	3,809 c	76.1 b	3,258 c	76.4 ab	4,028 c	75.8	3,698	67.9	4680
<i>Average</i>	<i>80</i>	<i>46</i>	<i>1,000</i>	<i>74.2</i>	<i>4,254</i>	<i>74.9</i>	<i>4,109</i>	<i>76.1</i>	<i>4,437</i>	<i>75.1</i>	<i>4,267</i>		

P-Value	0.1011	<0.0001	<0.0001	<0.0001	0.0139	<0.0001
Fisher's PLSD (0.10)†	NS	442	0.7	347	1.2	348
Coeff. of Variation, CV (%)	2.2%	11.5%	3.0%	16.6%	2.1%	11.8%

†Numbers in the column followed by the same letter are not significantly different at 90% confidence level.

§AT 9899-14 and Georgia GA 04S are high oleic runner-type peanuts targeted to the Spanish market.

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