

## 2004 Texas Peanut Variety Survey

Compiled by Mark C. Black, Extension Plant Pathologist, TAMU TCE Uvalde, 7February05

**SUMMARY:** Estimated 2004 peanut variety usage was based on a survey of all peanut seed companies in Texas, Oklahoma, and New Mexico that provide seed for planting in Texas. Percent acres among market types were 62.9% runner, 14.0% spanish, 18.7% virginia, and 4.4% valencia. FlavorRunner458 was again the most commonly planted variety in Texas (31.8% overall, 50.6% of runners) due to contracts for the high O:L ratio trait (both percentages were lower than in 2003). TamrunOL01 was the second most commonly planted variety (12.1% overall, 19.2% of runners). Tamspan90 was the third most commonly planted variety in Texas and the most common spanish (9.6% overall, 69.0% of spanish). NC 7 was the dominant virginia variety in 2004 (7.0% overall, 37.2% of virginia), continuing a trend of decreasing use among virginias. High OL oil varieties were planted on 50.3% of acres in Texas in 2004, and these acres were mostly with runners (96.4% runner, 3.6% spanish). Varieties released by Texas breeders were planted on 32.7% of all peanut acres (19.3% '97, 20.7% '98, 29.3% '99, 19.7% '00, 22.0% '01, 24.3% '02, 29.0% '03, 32.7% '03), representing 36.6% of all runner acres, and 69.0% of all spanish acres.

**RESULTS AND DISCUSSION:** Peanut variety usage (% overall acres) continued to change in Texas (Table 1). FlavorRunner458 use decreased in 2004 after 7 consecutive years of increase (0.2% '97, 3.1% '98, 15.1% '99, 25.3% '00, 29.0% '01, 32.5% '02, 35.7% '03, 31.8% '04) and was the most commonly planted peanut variety in Texas in 2004 for the fifth year. No seed sales of Florunner were reported (27.7% '97, 25.4% '98, 16.9% '99, 15.4% '00, 6.3% '01, 9.1% '02, 0.2% '03, 0% '04). Tamrun96 usage in 2004 increased slightly (0.4% '97, 4.7% '98, 12.4% '99, 9.2% '00, 13.9% '01, 11.9% '02, 7.5% '03, 9.2% '04). The two most recent runner variety releases from TAMU had increased usage as seed supplies increase, and both have the high OL trait: TamrunOL01 (0.3% '02, 5.8% '03, 12.1% '04) and TamrunOL02 (0.2% '03, 1.8% '04).

Tamspan90 was the dominant spanish variety again in 2003 (9.6% overall). Relative use of spanish market type varieties in Texas decreased in 2004 (17.0% '97, 12.2% '98, 10.2% '99, 9.3% '00, 10.1% '01, 13.6% '02, 19.1% '03, 14.0% '04). Spanish acres planted decreased dramatically (54,146 ac '97, 44,870 ac '98, 36,593 ac '99, 38,847 ac '00, 42,582 ac '01, 47,197 ac '02, 55,068 ac '03, 33,050 ac '04) and was an 8 year low for spanish acreage.

Virginia market type use increased for the third year in 2004 (overall: 10.1% '97, 13.9% '98, 10.4% '99, 10.5% '00, 8.7% '01, 12.0% '02, 16.0% '03, 18.7% '04). NC 7 use decreased for the second year in 2003 (within market type: 100% '97, 100% '98, 97.8% '99, 74.9% '00, 81.4% '01, 65.3% '02, 58.8% '03, 37.2% '04) and this was an 8 year low. ATVC2 use increased in Texas for the sixth year (within market type: 0.1% '99, 1.1% '00, 1.4% '01, 14.9% '02, 22.8% '03, 24.8% '04). Jupiter use increased in 2004 (within market type: 0.2% '01, 12.2% '02, 5.2% '03, 13.1% '04).

Relative valencia use remained low in Texas (overall: 2.8% '97, 3.0% '98, 0.8% '99, 0.9% '00, 1.8% '01, 2.1% '02, 4.1% '03, 4.4% '04), but 2004 was an 8-year high for this market type.

Preference in parts of the peanut industry for varieties with improved oil quality (high O:L ratio) has been a major factor in peanut variety use changes in Texas (overall: 4.9% '97, 5.5% '98, 17.9% '99, 28.0% '00, 31.8% '01, 41.4% '02, 45.0% '03, 50.3% '04).

**Table 1. 2004 Texas Peanut Variety Survey.\***

-----A. Variety within market type-----					
Runner variety		Pounds	Percent lbs.	Acres	Percent acres**
FlavorRunner458		7543150	48.23	75432	50.60
TamrunOL01		3427100	21.91	28559	19.16
Tamrun96		2173400	13.90	21734	14.58
VirusGard		585950	3.75	4883	3.28
TamrunOL02		428200	2.74	4282	2.87
GP-1		382450	2.45	3825	2.57
AT-108		379300	2.43	3161	2.12
GeorgiaGreen		247700	1.58	2477	1.66
Okrun		194950	1.25	1950	1.31
AT1-1		185850	1.19	1859	1.25
GA-02C		91100	0.58	911	0.61
<b>All runner</b>		<b>15639150</b>	<b>100.00</b>	<b>149071</b>	<b>100.00</b>
<b>Virginia variety</b>					
NC7		2045950	37.18	16500	37.18
ATVC2		1364450	24.79	11004	24.79
Jupiter		719700	13.08	5804	13.08
Perry		485600	8.82	3916	8.82
NC12C		478800	8.70	3861	8.70
Gregory		400100	7.27	3227	7.27
Wilson		8800	0.16	71	0.16
<b>All virginia</b>		<b>5503400</b>	<b>100.00</b>	<b>44382</b>	<b>100.00</b>
<b>Spanish variety</b>					
Tamspan90		1709850	68.98	22798	68.98
Spanco		449050	18.12	5987	18.12
AT9899-1		319850	12.90	4265	12.90
<b>All spanish</b>		<b>2478750</b>	<b>100.00</b>	<b>33050</b>	<b>100.00</b>
<b>Valencia variety</b>					
ValenciaC		332505	58.28	6046	58.28
ValenciaA		157555	27.62	2865	27.62
VNS		80455	14.10	1463	14.10
<b>All valencia</b>		<b>570515</b>	<b>100.00</b>	<b>10373</b>	<b>100.00</b>
-----B. Overall by variety-----					
Market type, Variety		Pounds	Percent lbs.	Acres	Percent acres
Runner	FlavorRun458	7543150	31.18	75432	31.84
	TamrunOL01	3427100	14.17	28559	12.06

	Tamrun96	2173400	8.98	21734	9.18
	VirusGard	585950	2.42	4883	2.06
	TamrunOL02	428200	1.77	4282	1.81
	GP-1	382450	1.58	3825	1.61
	AT-108	379300	1.57	3161	1.33
	GeorgiaGreen	247700	1.02	2477	1.05
	Okrun	194950	0.81	1950	0.82
	AT1-1	185850	0.77	1859	0.78
	GA-02C	91100	0.38	911	0.38
Virginia	NC7	2045950	8.46	16500	6.97
	ATVC2	1364450	5.64	11004	4.65
	Jupiter	719700	2.97	5804	2.45
	Perry	485600	2.01	3916	1.65
	NC12C	478800	1.98	3861	1.63
	Gregory	400100	1.65	3227	1.36
	Wilson	8800	0.04	71	0.03
Spanish	Tamspan90	1709850	7.07	22798	9.62
	Spanco	449050	1.86	5987	2.53
	AT9899-1	319850	1.32	4265	1.80
Valencia	ValenciaC	332505	1.37	6046	2.55
	ValenciaA	157555	0.65	2865	1.21
	VNS	80455	0.33	1463	0.62
	<b>All varieties</b>	<b>24191815</b>	<b>100.00</b>	<b>236876</b>	<b>100.00</b>

-----C. Overall by market type-----

<b>Market type</b>	<b>Pounds</b>	<b>Percent lbs.</b>	<b>Acres</b>	<b>Percent acres</b>
Runner	15639150	64.65	149071	62.93
Virginia	5503400	22.75	44382	18.74
Spanish	2478750	10.25	33050	13.95
Valencia	570515	2.36	10373	4.38
<b>All market types</b>	<b>24191815</b>	<b>100.00</b>	<b>236876</b>	<b>100.00</b>

\*Cooperators in this survey were: Birdsong Peanut Co., Brownfield, TX; Golden Peanut Co., DeLeon, TX; Wilco Peanut Co., Pleasanton, TX; Clint Williams Peanut Co., Madill, OK; Lee County Peanut Co., Giddings, TX; and Portales Select, Portales, NM, Glen's Peanuts, Portales, NM, and Texas Foundation Seed, Vernon, TX.

\*\*Assumptions: Average seeding rates used in 2004 were estimated by variety or entire market type for combined irrigated and dryland acres as follows. Runner: 100 lb/ac (FlavorRunner458, Tamrun96, Georgia Green, AT1-1, AT-108, Okrun, TamrunOL02, GP-1, GA-02C); or 120 lb/ac (TamrunOL01, VirusGard, AT-108). Spanish: 75 lb/ac. Virginia: 124 lb/ac. Valencia: 55 lb/ac. It may be necessary to modify seeding rate estimates and to revise this report in order to reconcile final peanut acreage by market type data from the USDA in the spring of 2005.

\*\*\*VNS = Variety Not Stated.

## 2005 Texas Peanut Variety Survey

Compiled by Mark C. Black, Extension Plant Pathologist, TAMU TCE Uvalde, 27October05

**SUMMARY:** Estimated 2005 peanut variety usage was based on USDA FSA County Acreage Reporting, a survey of all peanut seed companies in Texas, Oklahoma, and New Mexico that provide seed for planting in Texas, and input on valencias from a private plant breeder. Percent acres among market types were 60.7% runner, 18.3% spanish, 13.8% virginia, and 7.2% valencia. FlavorRunner458 was again the most commonly planted variety in Texas (27.7% overall, 45.6% of runners; both percentages declined after the 2003 peak). TamrunOL01 was the second most commonly planted variety (14.2% overall, 23.4% of runners). Tamspan90 was the third most commonly planted variety in Texas and the most common spanish (10.8% overall, 59.0% of spanish). AT9899-14 was marketed as Spanish because of seed size, even though plant type, pod shape, and days to maturity resemble runner varieties. NC 7 was still the dominant virginia variety in 2005 (5.5% overall, 39.5% of virginia). High OL oil varieties were planted on 54.2% of acres in Texas in 2005, and these acres were mostly runners (91.3% runner, 8.6% spanish, 0.1% virginia). Varieties released by TAMU breeders were planted on 37.6% of all peanut acres (19.3% '97, 20.7% '98, 29.3% '99, 19.7% '00, 22.0% '01, 24.3% '02, 29.0% '03, 32.7% '04, 37.6% '05), accounting for 43.9% of all runner acres, 59.5% of all spanish acres, and 0 ac of virginia or valencia.

**RESULTS AND DISCUSSION:** Peanut variety usage (% overall acres) continued to change in Texas (Table 1). FlavorRunner458 use decreased in 2005 for the second consecutive year (0.2% '97, 3.1% '98, 15.1% '99, 25.3% '00, 29.0% '01, 32.5% '02, 35.7% '03, 31.8% '04, 27.7% '05) but was still by far the most commonly planted peanut variety in Texas in 2005 for the sixth year. Tamrun96 usage in 2005 decreased (0.4% '97, 4.7% '98, 12.4% '99, 9.2% '00, 13.9% '01, 11.9% '02, 7.5% '03, 9.2% '04, 6.6% '05). The two most recent runner variety releases from TAMU had increased usage as seed supplies met demand or increased, respectively, and both have the high OL trait: TamrunOL01 (0.3% '02, 5.8% '03, 12.1% '04, 14.2% '05) and TamrunOL02 (0.2% '03, 1.8% '04, 5.9% '05).

Tamspan90 was the dominant spanish variety again in 2005 (10.8% overall). Relative use of spanish market type varieties in Texas increased in 2005 (17.0% '97, 12.2% '98, 10.2% '99, 9.3% '00, 10.1% '01, 13.6% '02, 19.1% '03, 14.0% '04, 18.3% '05). Spanish acres (approx.) planted was slightly greater than the 9-year average (54,146 ac '97, 44,870 ac '98, 36,593 ac '99, 38,847 ac '00, 42,582 ac '01, 47,197 ac '02, 55,068 ac '03, 33,050 ac '04, 47,466 ac '05). Due to unfortunate circumstances, OLin seed supplies were much less than the demand in 2005. High OL AT9899-14 was marketed as spanish because of seed size, even though plant type, pod shape, and days to maturity resemble runner varieties. In contrast, TAMU is considering releasing a high OL variety with seed size and shape similar to most runners, but with plant type and days to maturity resembling most spanish varieties.

Virginia market type use decreased in 2005 (overall: 10.1% '97, 13.9% '98, 10.4% '99, 10.5% '00, 8.7% '01, 12.0% '02, 16.0% '03, 18.7% '04, 13.8% '05). NC 7 use in 2005 was similar to 2004 (within market type: 100% '97, 100% '98, 97.8% '99, 74.9% '00, 81.4% '01, 65.3% '02, 58.8% '03, 37.2% '04, 39.5% '05). Jupiter use increased in 2005 (within market type: 0.2% '01, 12.2% '02, 5.2% '03, 13.1% '04, 20.9% '05). ATVC2 use decreased in Texas

in 2005 after increasing for 6 years (within market type: 0% '98, 0.1% '99, 1.1% '00, 1.4% '01, 14.9% '02, 22.8% '03, 24.8% '04, 14.8% '05).

Valencia use remained the lowest of the four market types (overall: 2.8% '97, 3.0% '98, 0.8% '99, 0.9% '00, 1.8% '01, 2.1% '02, 4.1% '03, 4.4% '04, 7.2% '05), but 2005 was a 9-year high for this market type with approx. 18,528 ac planted. Unusually high contract offerings (approx. \$600/ton) in early 2005 for valencia production caused the acreage increase. Valencia C was the most common valencia variety in 2005 (3.8% '05 overall).

Preference in parts of the peanut industry for varieties with improved oil quality (high O:L ratio) continues to be a major factor in peanut variety choice in Texas (overall: 4.9% '97, 5.5% '98, 17.9% '99, 28.0% '00, 31.8% '01, 41.4% '02, 45.0% '03, 50.3% '04, 54.2% '05).

Seeding rates in 2005 were higher than average. This was apparently a reaction to some seed quality problems and resultant low plant populations in 2004, particularly with FlavorRunner458 and Tamrun OL02 (see table footnote for the adjustments used). No confirmation was available, but it is also possible that some growers replanted or supplement-planted after cold weather affected initial 2005 seedling emergence in West Texas.

**Table 1. 2005 Texas Peanut Variety Survey.**<sup>x</sup>

-----A. Variety <sup>y</sup> within market type-----					
		Pounds	Percent lbs.	Acres	Percent acres <sup>z</sup>
<b>Runner variety</b>	<i>FlavorRun458</i>	9743100	48.79	71640	45.58
	<i>TamrunOL01</i>	4593950	23.01	36752	23.38
	<i>TamrunOL02</i>	1901750	9.52	15214	9.68
	<i>Tamrun96</i>	1846050	9.25	17093	10.87
	<i>GeorgiaGreen</i>	454200	2.27	4206	2.68
	<i>GP-1</i>	399450	2.00	3699	2.35
	<i>VirusGard</i>	460650	2.31	3685	2.34
	<i>AT-108</i>	301700	1.51	2414	1.54
	<i>Okrun</i>	165000	0.83	1528	0.97
	<i>ATI-1</i>	81900	0.41	758	0.48
	<i>GA-04S</i>	20000	0.10	200	0.13
	<i>Andru II</i>	300	0.00	3	0.00
<b>All runner</b>		19968050	100.00	157191	100.00
<b>Spanish variety</b>	<i>Tamspan90</i>	2744540	59.00	28006	59.00
	<i>AT9899-14</i>	1159200	24.92	11829	24.92
	<i>Spanco</i>	725850	15.60	7407	15.60
	<i>OLin</i>	22100	0.48	226	0.48
<b>All spanish</b>		4651690	100.00	47466	100.00
<b>Virginia variety</b>	<i>NC7</i>	1795900	39.48	14141	39.48
	<i>Jupiter</i>	951700	20.92	7494	20.92
	<i>ATVC2</i>	675300	14.84	5317	14.84
	<i>Gregory</i>	571350	12.56	4499	12.56

	NC12C	444550	9.77	3500	9.77
	Perry	84550	1.86	666	1.86
	<i>Brantley</i>	15900	0.35	125	0.35
	Wilson	10000	0.22	79	0.22
<b>All Virginia</b>		4549250	100.00	35821	100.00
<b>Valencia variety</b>	ValenciaC	834550	52.99	9818	52.99
	ValenciaA	586350	37.23	6898	37.23
	Valencia101	77000	4.89	906	4.89
	Valencia102	77000	4.89	906	4.89
<b>All valencia</b>		1574900	100.00	18528	100.00

-----B. Overall by variety-----

Market type, Variety		Pounds	Percent lbs.	Acres	Percent acres
<b>Runner</b>	<i>FlavorRunner458</i>	9743100	31.69	71640	27.66
	<i>TamrunOL01</i>	4593950	14.94	36752	14.19
	<i>TamrunOL02</i>	1901750	6.19	15214	5.87
	Tamrun96	1846050	6.00	17093	6.60
	GeorgiaGreen	454200	1.48	4206	1.62
	<i>GP-1</i>	399450	1.30	3699	1.43
	VirusGard	460650	1.50	3685	1.42
	AT-108	301700	0.98	2414	0.93
	Okrun	165000	0.54	1528	0.59
	<i>ATI-1</i>	81900	0.27	758	0.29
	<i>GA-04S</i>	20000	0.07	200	0.08
	<i>Andru II</i>	300	0.00	3	0.00
<b>Spanish</b>	Tamspan90	2744540	8.93	28006	10.81
	<i>AT9899-14</i>	1159200	3.77	11829	4.57
	Spanco	725850	2.36	7407	2.86
	<i>OLin</i>	22100	0.07	226	0.09
<b>Virginia</b>	NC7	1795900	5.84	14141	5.46
	Jupiter	951700	3.10	7494	2.89
	ATVC2	675300	2.20	5317	2.05
	Gregory	571350	1.86	4499	1.74
	NC12C	444550	1.45	3500	1.35
	Perry	84550	0.28	666	0.26
	<i>Brantley</i>	15900	0.05	125	0.05
	Wilson	10000	0.03	79	0.03
<b>Valencia</b>	ValenciaC	834550	2.71	9818	3.79
	ValenciaA	586350	1.91	6898	2.66
	Valencia101	77000	0.25	906	0.35
	Valencia102	77000	0.25	906	0.35
<b>All Varieties</b>		30743890	100.00	259006	100.00

-----C. Overall by market type-----

<b>Market type</b>	<b>Pounds</b>	<b>Percent lbs.</b>	<b>Acres</b>	<b>Percent acres</b>
Runner	19968050	64.95	157191	60.69
Spanish	4651690	15.13	47466	18.33
Virginia	4549250	14.80	35821	13.83
Valencia	1574900	5.12	18528	7.15
<b>All market types</b>	<b>30743890</b>	<b>100.00</b>	<b>259006</b>	<b>100.00</b>

<sup>x</sup>Cooperators in this survey were: USDA FSA, College Station, TX, Birdsong Peanut Co., Brownfield, TX; Golden Peanut Co., DeLeon, TX; Wilco Peanut Co., Pleasanton, TX; Clint Williams Peanut Co., Madill, OK; Lee County Peanut Co., Giddings, TX; Sunland Industries, Portales, NM; Portales Select/Bordens, Portales, NM, Glen's Peanuts, Portales, NM, Texas Foundation Seed, Vernon, TX, and Norman Wilson, plant breeder, Lubbock, TX.

<sup>y</sup>Variety name in *italics* indicates high OL seed oil.

<sup>z</sup>Assumptions: Average seeding rates used in 2005 were estimated by variety or entire market type for both irrigated and dryland acres as follows. Runner: 136 lb/ac (FlavorRunner458), 108 lb/ac (Tamrun96, GeorgiaGreen, AT1-1, Okrun, GP-1, Andru II), 125 lb/ac (TamrunOL01, TamrunOL02, ViruGard, AT-108), 100 lb/ac (GA-04S); spanish: 98 lb/ac; virginia: 127 lb/ac; valencia: 85 lb/ac.

**Partial financial support and reformatting of FSA acreage report were provided by Texas Peanut Producers Board, Lubbock, TX.**

## 2006 Texas Peanut Variety Survey

Compiled by Mark C. Black, Extension Plant Pathologist, TAMU TCE Uvalde, 29January2007

**SUMMARY:** Texas peanut variety usage in 2006 was estimated from USDA FSA County Acreage Reporting by market type and a survey of all peanut seed companies in Texas, Oklahoma, and New Mexico that sell seed for planting in Texas. Texas growers reduced plantings of all four market types due in part to low contract prices. Peanut acres planted were reduced 43% compared to 2005 (acres reduced by 41% in runner, 51% in spanish, 32% in valencia, 44% in virginia). Percent market type acres in 2006 were 62.4% runner, 15.8% spanish, 13.4% virginia, and 8.5% valencia. FlavorRunner458 remained the most commonly planted variety in Texas (28.7% overall, 46.1% of runner). TamrunOL02 was the second most commonly planted variety (20.9% overall, 33.5% of runner). TamrunOL01 was the third most commonly planted variety (8.4% overall, 13.4% of runner). AT9899-14 was the fourth most commonly planted variety in Texas and the most common variety marketed as spanish (6.5% overall, 41.4% of spanish). NC7 continued a 10+ year dominance among virginia varieties (5.3% overall, 39.7% of virginia). High OL oil varieties were planted on 100,889 acres (68.1%) in Texas in 2006, and these acres were mostly runners (86.7% runner, 12.9% spanish, 0.4% virginia, 0% valencia). Percent usage of valencia market type varieties was at a 10-yr high (8.5% '06). Varieties released by TAMU plant breeders were planted on 39.5% of all peanut acres (19.3% '97, 20.7% '98, 29.3% '99, 19.7% '00, 22.0% '01, 24.3% '02, 29.0% '03, 32.7% '04, 37.6% '05), accounting for 50.1% of all runner acres, 52.5% of all spanish acres, and 0% of virginia and valencia acres.

**RESULTS AND DISCUSSION:** Peanut variety usage (% overall acres) continued to change in Texas (Table 1). Runners dominate Texas production even with the adjustment in 2003 when quota peanut price supports were eliminated (average 74.7% acres '97-'02; 61.7% acres '03-'06). Percent acres planted to FlavorRunner458 in 2006 was similar to that in 2005 (overall: 0.2% '97, 3.1% '98, 15.1% '99, 25.3% '00, 29.0% '01, 32.5% '02, 35.7% '03, 31.8% '04, 27.7% '05, 28.7% '06). FlavorRunner458 has been the most commonly planted peanut variety in Texas for 7 consecutive years. Use of TamrunOL02 increased dramatically (overall: 0.2% '03, 1.8% '04, 5.9% '05, 20.9% '06). Use of TamrunOL01 decreased in 2006 after peak usage in 2005 (overall: 0.3% '02, 5.8% '03, 12.1% '04, 14.2% '05, 8.4% '06). Seed of TamrunOL07, the most recent TAMU runner variety release with the high OL trait, was still being increased in 2006 (0.01% '06).

AT9899-14 and Tamspan90 were the two most common spanish varieties in 2006 (41.4 and 38.2% within market type, 6.5 and 6.0% overall). Relative use of spanish market type varieties in Texas decreased in 2006 but was higher than the 10-yr average of 14% (17.0% '97, 12.2% '98, 10.2% '99, 9.3% '00, 10.1% '01, 13.6% '02, 19.1% '03, 14.0% '04, 18.3% '05, 15.8% '06). High OL AT9899-14 was marketed as spanish because of seed size, even though plant type, pod shape, and days to maturity resemble runner varieties. OLin was released in January 2002 but a mishap occurred during the initial seed increase. OLin seed increase was restarted using breeders seed and the first certified seed was available in 2006 (within market type: 0.01% '01, 0.7% '02, 5.5% '03, 0% '04, 0.5% '05, 14.0% '06). TamnutOL06, still being increased in 2006 (overall, 0.04% '06), has seed size and shape similar to most runners, but spanish plant type and days-to-maturity.



Virginia market type use in 2006 was similar to 2005 and greater than the 10-year average of 12.8% (10.1% '97, 13.9% '98, 10.4% '99, 10.5% '00, 8.7% '01, 12.0% '02, 16.0% '03, 18.7% '04, 13.8% '05, 13.4% '06). NC 7 has been the leading virginia variety for all 10 years of this survey; use in 2006 was similar to the two previous years (within market type: 100% '97, 100% '98, 97.8% '99, 74.9% '00, 81.4% '01, 65.3% '02, 58.8% '03, 37.2% '04, 39.5% '05, 39.7% '06). NC 7. Gregory use increased in 2006 for the third year (within market type: 0.1% '00, 0% '01, 6.3% '02, 1.1% '03, 7.3% '04, 12.6% '05, 29.4% '06). Jupiter use also increased in 2006 for the third year (within market type: 2.3% '01, 12.2% '02, 5.2% '03, 13.1% '04, 20.9% '05, 24.6% '06). ATVC2 use peaked in 2004 but was not planted Texas in 2006 (within market type: 0.1% '99, 1.1% '00, 1.4% '01, 14.9% '02, 22.8% '03, 24.8% '04, 14.8% '05, 0% '06).

Valencia use was again the lowest of the four market types (2.8% '97, 3.0% '98, 0.8% '99, 0.9% '00, 1.8% '01, 2.1% '02, 4.1% '03, 4.4% '04, 7.2% '05, 8.5% '06), but 2006 was a 10-year-high percent usage for this market type. Valencia C was the most common valencia variety in 2006 (65.5% within market type; 5.5% overall). Percent usage of valencia market type varieties was at a 10-yr high (8.5% '06).

Varieties released by TAMU plant breeders were planted on 39.5% of all peanut acres (19.3% '97, 20.7% '98, 29.3% '99, 19.7% '00, 22.0% '01, 24.3% '02, 29.0% '03, 32.7% '04, 37.6% '05), accounting for 50.1% of all runner acres, 52.5% of all spanish acres, and 0% of virginia and valencia acres.

Preference for varieties with improved oil quality (high O:L ratio) continues to increase in Texas (overall: 4.9% '97, 5.5% '98, 17.9% '99, 28.0% '00, 31.8% '01, 41.4% '02, 45.0% '03, 50.3% '04, 54.2% '05, 68.1% '06). Acres planted with high OL oil varieties in 2006 were mostly runners (86.7% runner, 12.9% spanish, 0.4% virginia, 0% valencia). Situations that may affect peanut planting decisions and variety use in the future include:

- 1) Fluctuating peanut prices affected by stored carryover peanuts and imports.
- 2) Cotton prices.
- 3) Corn prices affected by incentives for ethanol production; peanut land may be planted to corn; when crude oil prices are high, ethanol is more competitive with gasoline.
- 4) Interest in biodiesel from soybean and peanut; potential for new varieties that have higher oil content; soybean is expected to dominate biodiesel production because U.S. soybean acres currently outnumber peanut acres by more than 50 to 1.
- 5) Increasing availability of spanish (fewer days to maturity) varieties with high OL trait and larger seed size.
- 6) On-going work to improve peanut varieties for yield, grade, harvest efficiency, stress tolerance, quality, early maturity, and multiple disease resistance.

**Table 1. 2006 Texas Peanut Variety Survey.<sup>x</sup>**

-----A. Variety <sup>y</sup> within market type-----					
		<b>Pounds</b>	<b>Percent lbs.</b>	<b>Acres</b>	<b>Percent acres<sup>z</sup></b>
<b>Runner variety</b>	<i>FlavorRun458</i>	5279050	49.10	42573	46.07
	<i>TamrunOL02</i>	3399750	31.62	30907	33.45
	<i>TamrunOL01</i>	1363300	12.68	12394	13.41
	Tamrun96	249650	2.32	2270	2.46
	GeorgiaGreen	220200	2.05	2002	2.17
	<i>Georgia02C</i>	160250	1.49	1457	1.58
	NemaTam	65000	0.60	684	0.74
	<i>GP-1</i>	12600	0.12	115	0.12
	<i>TamrunOL07</i>	1000	0.01	9	0.01
<b>All runner</b>		10750800	100.00	92409	100.00
<b>Spanish variety</b>	<i>AT9899-14</i>	1052400	41.37	9655	41.37
	Tamspan90	971850	38.20	8916	38.20
	<i>OLin</i>	357150	14.04	3277	14.04
	Spanco	141650	5.57	1300	5.57
	Pronto	14050	0.55	129	0.55
	<i>TamnntOL06</i>	6800	0.27	62	0.27
<b>All spanish</b>		2543900	100.00	23339	100.00
<b>Virginia variety</b>	NC7	908600	39.72	7901	39.72
	Gregory	672700	29.41	5850	29.41
	Jupiter	563150	24.62	4897	24.62
	Perry	91100	3.98	792	3.98
	<i>Brantley</i>	50700	2.22	441	2.22
	ATExp127	1250	0.05	11	0.05
<b>All Virginia</b>		2287500	100.00	19891	100.00
<b>Valencia variety</b>	ValenciaC	591100	65.62	8210	65.62
	ValenciaA	209700	23.28	2913	23.28
	Valencia136	66800	7.42	928	7.42
	Valencia101	24000	2.66	333	2.66
	Valencia102	9250	1.03	128	1.03
<b>All valencia</b>		900850	100.00	12512	100.00
-----B. Overall by variety-----					
<b>Market type, Variety</b>		<b>Pounds</b>	<b>Percent lbs.</b>	<b>Acres</b>	<b>Percent acres</b>
<b>Runner</b>	<i>FlavorRunner458</i>	5279050	32.03	42573	28.74
	<i>TamrunOL02</i>	3399750	20.63	30907	20.86
	<i>TamrunOL01</i>	1363300	8.27	12394	8.37
	Tamrun96	249650	1.51	2270	1.53
	GeorgiaGreen	220200	1.34	2002	1.35
	<i>Georgia02C</i>	160250	0.97	1457	0.98
	NemaTAM	65000	0.39	684	0.46

	<i>GP-1</i>	12600	0.08	115	0.08
	<i>TamrunOL07</i>	1000	0.01	9	0.01
<b>Spanish</b>	<i>AT9899-14</i>	1052400	6.38	9655	6.52
	Tamspan90	971850	5.90	8916	6.02
	<i>OLin</i>	357150	2.17	3277	2.21
	Spanco	141650	0.86	1300	0.88
	Pronto	14050	0.09	129	0.09
	<i>TamnutOL06</i>	6800	0.04	62	0.04
<b>Virginia</b>	NC7	908600	5.51	7901	5.33
	Gregory	672700	4.08	5850	3.95
	Jupiter	563150	3.42	4897	3.31
	Perry	91100	0.55	792	0.53
	<i>Brantley</i>	50700	0.31	441	0.30
	ATExp127	1250	0.01	11	0.01
<b>Valencia</b>	ValenciaC	591100	3.59	8210	5.54
	ValenciaA	209700	1.27	2913	1.97
	Valencia136	66800	0.41	928	0.63
	Valencia101	24000	0.15	333	0.22
	Valencia102	9250	0.06	128	0.09
<b>All Varieties</b>		16483050	100.00	148151	100.00

-----C. Overall by market type-----

<b>Market type</b>	<b>Pounds</b>	<b>Percent lbs.</b>	<b>Acres</b>	<b>Percent acres</b>
Runner	10750800	65.22	92409	62.38
Spanish	2543900	15.43	23339	15.75
Virginia	2287500	13.88	19891	13.43
Valencia	900850	5.47	12512	8.45
<b>All market types</b>	16483050	100.00	148151	100.00

<sup>x</sup>Cooperators in this survey were: USDA FSA, College Station, TX; Birdsong Peanut Co., Brownfield, TX; Golden Peanut Co., DeLeon, TX; Wilco Peanut Co., Pleasanton, TX; Clint Williams Co./Texoma Peanut Co., Madill, OK; Lee County Peanut Co., Giddings, TX; Sunland Inc., Portales, NM; Borden Peanut Co./Hampton Farms, Portales, NM; Glen's Peanuts, Portales, NM; Texas Foundation Seed Service, Vernon, TX; and José Peña, Professor and Extension Agricultural Economist, TCE TAMU, Uvalde.

<sup>y</sup>Variety name in *italics* indicates high OL seed oil.

<sup>z</sup>Assumptions: Estimated average seeding rates in 2006 by variety or market type for both irrigated and dryland acres were runner 124 lb/ac (FlavorRunner458), 110 lb/ac (TamrunOL02, TamrunOL01, Tamrun96, GeorgiaGreen, Georgia02C, GP-1), 95 lb/ac (NemaTam); spanish 109 lb/ac; virginia 115 lb/ac; valencia 72 lb/ac.

**Partial financial support and reformatting of USDA FSA acreage report were provided by staff at Texas Peanut Producers Board, Lubbock, TX.**

## 2007 Texas Peanut Variety Survey

Compiled by Mark C. Black, Extension Plant Pathologist, Texas AgriLife Extension, Uvalde,  
18January2008

**SUMMARY:** Texas peanut variety usage in 2007 was estimated from USDA FSA County Acreage Reporting by market type and a survey of all peanut seed companies in Texas, Oklahoma, and New Mexico that sell seed for planting in Texas. Texas growers increased plantings of all four market types compared to 2006. Peanut planted acres increased 24% compared to 2006 (10% more runner acres, 83% more virginia acres, 23% more spanish acres, 32% more valencia acres). Percent market type acres in 2007 were 55.3% runner, 19.9% virginia, 15.7% spanish, and 9.1% valencia. FlavorRunner458 remained the most commonly planted variety in Texas (30.5% overall, 55.1% of runner). TamrunOL02 was the second most commonly planted variety (11.7% overall, 21.1% of runner). TamrunOL01 was the third most commonly planted variety (10.8% overall, 19.5% of runner). Gregory was the fourth most commonly planted variety and the most common virginia variety (9.8% overall, 49.4% of virginias) and 2007 was the first time in at least 11 yr that NC7 was not the most used virginia. Tamspan90 was the fifth most commonly planted variety in Texas and the most common spanish variety (6.2% overall, 39.5% of spanish). High OL oil varieties were planted on 118,417 acres (64.7%) in Texas in 2007, and these acres were mostly runners (84.4% runner, 1.7% virginia, 13.9% spanish, 0% valencia). Percent usage of valencia market type varieties was at an 11-yr high (9.1% of acres in '07). Varieties released by TAMU plant breeders were planted on 35.6% of all peanut acres (19.3% '97, 20.7% '98, 29.3% '99, 19.7% '00, 22.0% '01, 24.3% '02, 29.0% '03, 32.7% '04, 37.6% '05, 39.5% '06), for 42.1% of all runner acres, 78.7% of all spanish acres, and 0% of virginia and valencia acres.

**RESULTS AND DISCUSSION:** Peanut variety usage (% overall acres) changed little in Texas in 2007 (Table 1). Runner domination of Texas production continued to decrease (average 74.7% acres C97-'02; average 61.7% acres '03-'06, 55.3% acres '07). Percent acres planted to FlavorRunner458 have been similar for 7 years (overall: 0.2% '97, 3.1% '98, 15.1% '99, 25.3% '00, 29.0% '01, 32.5% '02, 35.7% '03, 31.8% '04, 27.7% '05, 28.7% '06, 30.5% '07). FlavorRunner458 has been the most commonly planted peanut variety in Texas for 8 consecutive years. Use of TamrunOL02 decreased after a peak in 2006 (overall: 0.2% '03, 1.8% '04, 5.9% '05, 20.9% '06, 11.7% '07). Use of TamrunOL01 increased somewhat in 2007 (overall: 0.3% '02, 5.8% '03, 12.1% '04, 14.2% '05, 8.4% '06, 10.8% '07). Seed of TamrunOL07, the most recent TAMU runner variety release with the high OL trait, was still being increased in 2007 (overall: 0.01% '06, 0.15% '07).

Virginia market type use increased to an 11-yr high in 2007 (10.1% '97, 13.9% '98, 10.4% '99, 10.5% '00, 8.7% '01, 12.0% '02, 16.0% '03, 18.7% '04, 13.8% '05, 13.4% '06, 19.9% '07). Gregory (within market type: 0.1% '00, 0% '01, 6.3% '02, 1.1% '03, 7.3% '04, 12.6% '05, 29.4% '06, 49.4% '07) replaced NC 7 (within market type: 100% '97, 100% '98, 97.8% '99, 74.9% '00, 81.4% '01, 65.3% '02, 58.8% '03, 37.2% '04, 39.5% '05, 39.7% '06, 30.3 '07) as the leading virginia variety for the first time in 11 yr of this survey. Jupiter use decreased in 2007 (within market type: 2.3% '01, 12.2% '02, 5.2% '03, 13.1% '04, 20.9% '05, 24.6% '06, 13.7% '07).

Tamspan90 and OLin were the two most common spanish varieties in 2007 (39.5 and 35.3% within market type). Relative use of spanish market type varieties was similar to 2006 (17.0% '97, 12.2% '98, 10.2% '99, 9.3% '00, 10.1% '01, 13.6% '02, 19.1% '03, 14.0% '04, 18.3% '05, 15.8% '06, 15.6% '07). High OL AT9899-14 was marketed as spanish because of seed size, even though plant type, pod shape, and days to maturity resemble runner varieties. OLin was released in January 2002 but a mishap occurred during the initial seed increase. OLin seed increase was restarted using breeders seed and the first certified seed was available in 2006 (within market type: 0.01% '01, 0.7% '02, 5.5% '03, 0% '04, 0.5% '05, 14.0% '06, 35.3% '07). TamnutOL06, still being increased in 2007 (within market type: 0.3% '06, 3.9% '07), has seed size and shape similar to most runners, but spanish plant type and days-to-maturity.

Valencia use was again the lowest of the four market types (2.8% '97, 3.0% '98, 0.8% '99, 0.9% '00, 1.8% '01, 2.1% '02, 4.1% '03, 4.4% '04, 7.2% '05, 8.5% '06, 9.1% '07), but 2007 was an 11-yr-high percent usage for this market type. Valencia C was the most common valencia variety in 2007 (50.8% within market type; 4.6% overall).

Varieties released by TAMU plant breeders were planted on 35.6% of all peanut acres (19.3% '97, 20.7% '98, 29.3% '99, 19.7% '00, 22.0% '01, 24.3% '02, 29.0% '03, 32.7% '04, 37.6% '05, 39.5% '06), accounting for 42.1% of all runner acres, 78.7% of all spanish acres, and 0% of virginia and valencia acres.

Preference for varieties with improved oil quality (high O:L ratio) continued in Texas in 2007 (overall: 4.9% '97, 5.5% '98, 17.9% '99, 28.0% '00, 31.8% '01, 41.4% '02, 45.0% '03, 50.3% '04, 54.2% '05, 68.1% '06, 64.7% '07). Acres planted with high OL oil varieties in 2007 were mostly runners (84.4% runner, 13.9% spanish, 1.7% virginia, 0% valencia).

**Table 1. 2007 Texas Peanut Variety Survey.<sup>x</sup>**

-----A. Variety <sup>y</sup> within market type-----					
		<b>Pounds</b>	<b>Percent lbs.</b>	<b>Acres</b>	<b>Percent acres<sup>z</sup></b>
<b>Runner variety</b>	<i>FlavorRun458</i>	6131590	60.49	55742	55.09
	<i>TamrunOL02</i>	2006700	19.80	21348	21.10
	<i>TamrunOL01</i>	1634550	16.13	19693	19.46
	<i>ACI51</i>	113950	1.12	1373	1.36
	<i>ACI48</i>	97700	0.96	1177	1.16
	<i>Tamrun96</i>	89650	0.88	1080	1.07
	<i>TamrunOL07</i>	22850	0.23	275	0.27
	<i>GP-1</i>	15500	0.15	187	0.18
	<i>ANorden</i>	11850	0.12	158	0.16
	<i>NemaTAM</i>	11600	0.11	155	0.15
<b>All runner</b>		10135940	100.00	101188	100.00
<b>Virginia variety</b>	<i>Gregory</i>	2245300	49.42	17962	49.42
	<i>NC7</i>	1378550	30.34	11028	30.34
	<i>Jupiter</i>	624250	13.74	4994	13.74
	<i>Brantley</i>	258050	5.68	2064	5.68
	<i>Perry</i>	22550	0.50	180	0.50
	<i>ATExp127</i>	14800	0.33	118	0.33
	<b>All Virginia</b>		4543500	100.00	36348
<b>Spanish variety</b>	<i>Tamspan90</i>	920810	39.49	11368	39.49
	<i>OLin</i>	822700	35.28	10157	35.28
	<i>AT9899-14</i>	414950	17.80	5123	17.80
	<i>TamnutOL06</i>	90750	3.89	1120	3.89
	<i>Spanco</i>	82400	3.53	1017	3.53
<b>All spanish</b>		2331610	100.00	28785	100.00
<b>Valencia variety</b>	<i>ValenciaC</i>	760900	50.77	8454	50.77
	<i>ValenciaA</i>	392100	26.16	4357	26.16
	<i>Valencia102</i>	160000	10.68	1778	10.68
	<i>Valencia136</i>	108650	7.25	1207	7.25
	<i>Valencia101</i>	77000	5.14	856	5.14
<b>All valencia</b>		1498650	100.00	16652	100.00
-----B. Overall by variety-----					
<b>Market type, Variety</b>		<b>Pounds</b>	<b>Percent lbs.</b>	<b>Acres</b>	<b>Percent acres</b>
<b>Runner</b>	<i>FlavorRunner458</i>	6131590	33.13	55742	30.46
	<i>TamrunOL02</i>	2006700	10.84	21348	11.67
	<i>TamrunOL01</i>	1634550	8.83	19693	10.76
	<i>ACI51</i>	113950	0.62	1373	0.75
	<i>ACI48</i>	97700	0.53	1177	0.64
	<i>Tamrun96</i>	89650	0.48	1080	0.59
	<i>TamrunOL07</i>	22850	0.12	275	0.15

	<i>GP-1</i>	15500	0.08	187	0.10
	<i>ANorden</i>	11850	0.06	158	0.09
	NemaTAM	11600	0.06	155	0.08
<b>Virginia</b>	Gregory	2245300	12.13	17962	9.82
	NC7	1378550	7.45	11028	6.03
	Jupiter	624250	3.37	4994	2.73
	<i>Brantley</i>	258050	1.39	2064	1.13
	Perry	22550	0.12	180	0.10
	ATExp127	14800	0.08	118	0.06
<b>Spanish</b>	Tamspan90	920810	4.97	11368	6.21
	<i>OLin</i>	822700	4.44	10157	5.55
	<i>AT9899-14</i>	414950	2.24	5123	2.80
	<i>TamnutOL06</i>	90750	0.49	1120	0.61
	Spanco	82400	0.45	1017	0.56
<b>Valencia</b>	ValenciaC	760900	4.11	8454	4.62
	ValenciaA	392100	2.12	4357	2.38
	Valencia102	160000	0.86	1778	0.97
	Valencia136	108650	0.59	1207	0.66
	Valencia101	77000	0.42	856	0.47
<b>All Varieties</b>		18509700	100.00	182973	100.00

-----C. Overall by market type-----

<b>Market type</b>	<b>Pounds</b>	<b>Percent lbs.</b>	<b>Acres</b>	<b>Percent acres</b>
Runner	10135940	54.76	101188	55.30
Virginia	4543500	24.55	36348	19.87
Spanish	2331610	12.60	28785	15.73
Valencia	1498650	8.10	16652	9.10
<b>All market types</b>	18509700	100.00	182973	100.00

<sup>x</sup>Cooperators in this survey were: USDA FSA, College Station, TX; Birdsong Peanut Co., Brownfield, TX; Golden Peanut Co., DeLeon, TX; Wilco Peanut Co., Pleasanton, TX; Clint Williams Co./Texoma Peanut Co., Madill, OK; Lee County Peanut Co., Giddings, TX; Sunland Inc., Portales, NM; Hampton Farms, Portales, NM; Glen's Peanuts, Portales, NM; and Texas Foundation Seed Service, Vernon, TX.

<sup>y</sup>Variety name in *italics* indicates high OL seed oil.

<sup>z</sup>Assumptions: Estimated average seeding rates in 2007 by variety or market type for both irrigated and dryland acres were runner 110 lb/ac (FlavorRunner458), 94 lb/ac (TamrunOL02), 83 lb/ac (TamrunOL01, ACI51, ACI48, Tamrun96, TamrunOL07, GP-1), 75 lb/ac (ANorden, NemaTam); virginia 125 lb/ac; spanish 81 lb/ac; valencia 90 lb/ac.

**Partial financial support and reformatting of USDA FSA acreage report were provided by staff at Texas Peanut Producers Board, Lubbock, TX.**

## 2008 Texas Peanut Variety Survey

Compiled by Mark C. Black, Extension Plant Pathologist, Texas AgriLife Extension, Uvalde,  
16February2009

**SUMMARY:** Texas peanut variety usage in 2008 was estimated from USDA FSA County Acreage Reporting by market type and a survey of all peanut seed companies in Texas, Oklahoma, and New Mexico that sell seed for planting in Texas. Texas growers increased plantings of all four market types compared to both 2006 and 2007. Peanut planted acres increased 38% compared to 2007 (51.3% more runner acres, 20.9% more virginia acres, 33.3% more spanish acres, 5.0% more valencia acres). All peanut acres increased 71% compared to 2006. Percent market type acres in 2008 were 60.5% runner, 17.4% virginia, 15.2% spanish, and 6.9% valencia. FlavorRunner458 remained the most commonly planted variety in Texas (37.3% overall, 61.6% of runner). TamrunOL02 was the second most commonly planted variety (12.0% overall, 19.9% of runner). Gregory was the third most commonly planted variety and the most common virginia variety (10.0% overall, 57.5% of virginias) and 2008 was the second consecutive year in the 12 years of this survey that NC7 was not the most planted virginia. TamrunOL01 was the fourth most commonly planted variety (7.6% overall, 12.6% of runner). Tamspan90 was the fifth most commonly planted variety in Texas and the most common spanish variety (4.2% overall, 27.6% of spanish). High OL oil varieties were planted on 177,572 acres (70.2%) in Texas in 2008, and these acres were mostly runner and spanish (97.8% runner, 5.3% virginia, 66.5% spanish, 0% valencia). Varieties released by TAMU plant breeders were planted on 34.7% of all peanut acres (19.3% '97, 20.7% '98, 29.3% '99, 19.7% '00, 22.0% '01, 24.3% '02, 29.0% '03, 32.7% '04, 37.6% '05, 39.5% '06, 35.6% '07), for 37.8% of all runner acres, 78.1% of all spanish acres, and 0% of virginia and valencia acres.

**RESULTS AND DISCUSSION:** Peanut variety usage (% overall acres) changed little in Texas in 2008 (Table 1). Runner domination of Texas production continued in 2008 (average 74.7% acres '97-'02; average 61.7% acres '03-'06, 55.3% acres '07, 60.5% acres '08). Percent acres planted to FlavorRunner458 have been similar for 7 years (overall: 0.2% '97, 3.1% '98, 15.1% '99, 25.3% '00, 29.0% '01, 32.5% '02, 35.7% '03, 31.8% '04, 27.7% '05, 28.7% '06, 30.5% '07, 37.3% '08). FlavorRunner458 has been the most commonly planted peanut variety in Texas for 9 consecutive years. Use of TamrunOL02 was similar to 2007 (overall: 0.2% '03, 1.8% '04, 5.9% '05, 20.9% '06, 11.7% '07, 12.0% '08). Use of TamrunOL01 decreased in 2008 (overall: 0.3% '02, 5.8% '03, 12.1% '04, 14.2% '05, 8.4% '06, 10.8% '07, 7.6% '08). Seed of TamrunOL07, the most recent TAMU runner variety release with the high OL trait, was still being increased in 2008 (overall: 0.01% '06, 0.15% '07, 1.9% '08).

Virginia relative market type use was slightly less than in 2007 (10.1% '97, 13.9% '98, 10.4% '99, 10.5% '00, 8.7% '01, 12.0% '02, 16.0% '03, 18.7% '04, 13.8% '05, 13.4% '06, 19.9% '07, 17.4% '08). Gregory (within market type: 0.1% '00, 0% '01, 6.3% '02, 1.1% '03, 7.3% '04, 12.6% '05, 29.4% '06, 49.4% '07, 57.5% '08) continues to lead replacements for NC 7 (within market type: 100% '97, 100% '98, 97.8% '99, 74.9% '00, 81.4% '01, 65.3% '02, 58.8% '03, 37.2% '04, 39.5% '05, 39.7% '06, 30.3 '07, 13.2% '08) as the preferred virginia variety. Jupiter was the second most used virginia in 2008 (within market type: 2.3% '01, 12.2% '02, 5.2% '03, 13.1% '04, 20.9% '05, 24.6% '06, 13.7% '07, 18.9% '08).



Tamspan90, TamnutOL06, and OLin were the three most common spanish varieties in 2008 (27.6, 25.3, and 25.2% within market type). Relative use of spanish market type varieties was similar to 2006 and 2007 (17.0% '97, 12.2% '98, 10.2% '99, 9.3% '00, 10.1% '01, 13.6% '02, 19.1% '03, 14.0% '04, 18.3% '05, 15.8% '06, 15.6% '07, 15.2% '08). High OL AT9899-14 was marketed as spanish because of seed size, even though plant type, pod shape, and days to maturity resemble runner varieties. OLin was originally released in January 2002 but a mishap occurred during the initial seed increase. OLin seed increase was restarted using breeders seed and the first certified seed was available in 2007 (within market type: 0.01% '01, 0.7% '02, 5.5% '03, 0% '04, 0.5% '05, 14.0% '06, 35.3% '07, 25.2% '08). TamnutOL06 (within market type: 0.3% '06, 3.9% '07, 25.3% '08) has seed size and shape similar to most runners, but spanish plant type and days-to-maturity.

Valencia was again the lowest usage among market types (2.8% '97, 3.0% '98, 0.8% '99, 0.9% '00, 1.8% '01, 2.1% '02, 4.1% '03, 4.4% '04, 7.2% '05, 8.5% '06, 9.1% '07, 6.9% '08). Valencia C was the most common valencia variety in 2008 (58.0% within market type; 4.0% overall).

Varieties released by TAMU plant breeders were planted on 34.7% of all peanut acres in 2008 (19.3% '97, 20.7% '98, 29.3% '99, 19.7% '00, 22.0% '01, 24.3% '02, 29.0% '03, 32.7% '04, 37.6% '05, 39.5% '06, 35.6% '07), accounting for 37.8% of all runner acres, 78.1% of all spanish acres, and 0% of virginia and valencia acres.

Preference for varieties with improved oil quality (high O:L ratio) continued in Texas in 2008 (overall: 4.9% '97, 5.5% '98, 17.9% '99, 28.0% '00, 31.8% '01, 41.4% '02, 45.0% '03, 50.3% '04, 54.2% '05, 68.1% '06, 64.7% '07, 70.2% '08). Acres planted with high OL oil varieties in 2008 were mostly runners (84.3% runner, 14.4% spanish, 1.3% virginia, 0% valencia).

Partial financial support was provided by Texas Peanut Producers Board, Lubbock, TX. Kathy Sayers provided USDA FSA acreage data.

Table 1. 2008 Texas Peanut Variety Survey.<sup>x</sup>

-----A. Variety <sup>y</sup> within market type-----					
		Pounds	Percent lbs.	Acres	Percent acres <sup>z</sup>
Runner variety	<i>FlavorRun458</i>	10380500	63.87	94368	61.64
	<i>TamrunOL02</i>	3040850	18.71	30409	19.86
	<i>TamrunOL01</i>	1922250	11.83	19223	12.56
	<i>TamrunOL07</i>	482642	2.97	4826	3.15
	Tamrun96	315000	1.94	3150	2.06
	<i>ACI48</i>	70800	0.44	708	0.46
	NemaTAM	21550	0.13	216	0.14
	<i>GP-1</i>	15450	0.10	155	0.10
	<i>ANorden</i>	3250	0.02	33	0.02
All runner		16252292	100.00	153086	100.00
Virginia variety	Gregory	2863550	57.46	25341	57.46
	Jupiter	943300	18.93	8348	18.93
	NC7	656150	13.17	5807	13.17
	<i>Brantley</i>	263100	5.28	2328	5.28
	<i>AT-07V<sup>y</sup></i>	154450	3.10	1367	3.10
	Perry	60750	1.22	538	1.22
	Phillips	27000	0.54	239	0.54
	Champs	15000	0.30	133	0.30
All Virginia		4983300	100.00	44100	100.00
Spanish variety	Tamspan90	899350	27.55	10581	27.55
	<i>TamnutOL06</i>	827233	25.34	9732	25.34
	<i>OLin</i>	821250	25.15	9662	25.15
	<i>AT9899-14</i>	520950	15.96	6129	15.96
	Spanco	128950	3.95	1517	3.95
	Pronto	67150	2.06	790	2.06
All spanish		3264883	100.00	38410	100.00
Valencia variety	ValenciaC	1212560	57.96	10190	57.96
	Valencia136	462700	22.12	3888	22.12
	ValenciaA	405150	19.36	3405	19.36
	Valencia101	5900	0.28	50	0.28
	Valencia102	5900	0.28	50	0.28
All valencia		2092210	100.00	17582	100.00
-----B. Overall by variety-----					
Market type, Variety		Pounds	Percent lbs.	Acres	Percent acres
Runner	<i>FlavorRunner458</i>	10380500	39.04	94368	37.27
	<i>TamrunOL02</i>	3040850	11.43	30409	12.01
	<i>TamrunOL01</i>	1922250	7.23	19223	7.59
	<i>TamrunOL07</i>	482642	1.81	4826	1.91
	Tamrun96	315000	1.18	3150	1.24

	<i>ACI48</i>	70800	0.27	708	0.28
	NemaTAM	21550	0.08	216	0.09
	<i>GP-1</i>	15450	0.06	155	0.06
	<i>ANorden</i>	3250	0.01	33	0.01
Virginia	Gregory	2863550	10.77	25341	10.01
	Jupiter	943300	3.55	8348	3.30
	NC7	656150	2.47	5807	2.29
	<i>Brantley</i>	263100	0.99	2328	0.92
	AT-07V	154450	0.58	1367	0.54
	Perry	60750	0.23	538	0.21
	Phillips	27000	0.10	239	0.09
	Champs	15000	0.06	133	0.05
Spanish	Tamspan90	899350	3.38	10581	4.18
	<i>TamnutOL06</i>	827233	3.11	9732	3.84
	<i>OLin</i>	821250	3.09	9662	3.82
	<i>AT9899-14</i>	520950	1.96	6129	2.42
	Spanco	128950	0.48	1517	0.60
	Pronto	67150	0.25	790	0.31
Valencia	ValenciaC	1212560	4.56	10190	4.02
	Valencia136	462700	1.74	3888	1.54
	ValenciaA	405150	1.52	3405	1.34
	Valencia101	5900	0.02	50	0.02
	Valencia102	5900	0.02	50	0.02
All Varieties		26592685	100.00	253178	100.00

-----C. Overall by market type-----

Market type	Pounds	Percent lbs.	Acres	Percent acres
Runner	16252292	61.12	153086	60.47
Virginia	4983300	18.74	44100	17.42
Spanish	3264883	12.28	38410	15.17
Valencia	2092210	7.87	17582	6.94
All market types	26592685	100.00	253178	100.00

<sup>x</sup>Cooperators in this survey were: USDA FSA, College Station, TX; Birdsong Peanut Co., Brownfield, TX; Golden Peanut Co., DeLeon, TX; Wilco Peanut Co., Pleasanton, TX; Clint Williams Co./Texoma Peanut Co., Madill, OK; Lee County Peanut Co., Giddings, TX; Sunland Inc., Portales, NM; Hampton Farms, Portales, NM; Glen's Peanuts, Portales, NM; and Texas Foundation Seed Service, Vernon, TX.

<sup>y</sup>Variety name in *italics* indicates high OL seed oil. AT-07V was advertised as mid-OL and was not included in estimates of high OL variety usage.

<sup>z</sup>Assumptions: estimated average seeding rates in 2008 by variety or market type for both irrigated and dryland acres were runner 110 lb/ac (FlavorRunner458), 100 lb/ac (TamrunOL02, TamrunOL01, TamrunOL07, Tamrun96, ACI48, NemaTam, GP-1, ANorden; virginia 113 lb/ac; spanish 85 lb/ac; valencia 119 lb/ac.

## 2009 Texas Peanut Variety Survey

Compiled by Mark C. Black, Extension Plant Pathologist,  
Texas AgriLife Extension Service, Uvalde, 29January2010

**SUMMARY:** Texas peanut variety usage in 2009 was estimated from USDA FSA County Acreage Reporting by market type and a survey of peanut seed companies in Texas, Oklahoma, and New Mexico that sell seed for planting in Texas. Compared to 2008, Texas growers decreased plantings of runner (-47%), virginia (-31%), and spanish (-33%) market types but increased acres of valencia market type (+23%). Total 2009 peanut planted acres compared to previous years were 37% less than 2008, 13% less than 2007, and 7% more than 2006. Percent market type acres in 2009 were 50.8% runner, 19.3% virginia, 16.3% spanish, and 13.7% valencia. FlavorRunner458 remained the most commonly planted variety in Texas (30.8% overall, 60.7% of runner). Gregory was second most commonly planted variety and the most common virginia variety (10.9% overall, 56.4% of virginia). ValenciaC was the third most commonly planted variety in Texas and the most common valencia variety (7.9% overall, 57.5% of valencia). TamnutOL06 was the fourth most commonly planted variety (7.0% overall, 42.8% of spanish). TamrunOL01 was the fifth most commonly planted variety and the second most common runner variety (6.9% overall, 13.6% of runners). High OL oil varieties were planted on 107,223 acres (67.7%) in Texas in 2009, and these acres were 74.7% runner, 19.8% Spanish, 5.5% virginia, and 0% valencia. Among runner acres, 99.6% were planted with high OL varieties. Varieties released by TAMU plant breeders were planted on 30.5% of all peanut acres (19.3% '97, 20.7% '98, 29.3% '99, 19.7% '00, 22.0% '01, 24.3% '02, 29.0% '03, 32.7% '04, 37.6% '05, 39.5% '06, 35.6% '07, 34.7% '08) representing 35.0% of all runner acres, 78.6% of all spanish acres, and 0% of virginia and valencia acres.

**RESULTS AND DISCUSSION:** Runner domination of Texas production continued to decrease in 2009 (average 74.7% acres '97-'02; average 60.4% acres '03-'08, 50.8% acres '09)(Table 1). Percent acres planted to FlavorRunner458 have been similar for 10 years (overall: 0.2% '97, 3.1% '98, 15.1% '99, 25.3% '00, 29.0% '01, 32.5% '02, 35.7% '03, 31.8% '04, 27.7% '05, 28.7% '06, 30.5% '07, 37.3% '08, 30.8% '09). FlavorRunner458 has been the most commonly planted peanut variety in Texas for 10 consecutive years. Use of TamrunOL07, the most recent TAMU runner variety released with the high OL trait, increased in 2009 (overall: 0.01% '06, 0.15% '07, 1.9% '08, 6.1% '09). Use of TamrunOL01 decreased somewhat in 2009 after peaking in 2005 (overall: 0.3% '02, 5.8% '03, 12.1% '04, 14.2% '05, 8.4% '06, 10.8% '07, 7.6% '08, 6.9% '09). Use of TamrunOL02 continued to decrease after peaking in 2006 (overall: 0.2% '03, 1.8% '04, 5.9% '05, 20.9% '06, 11.7% '07, 12.0% '08, 4.6% '09).

Virginia market type relative use was similar to 2007 (10.1% '97, 13.9% '98, 10.4% '99, 10.5% '00, 8.7% '01, 12.0% '02, 16.0% '03, 18.7% '04, 13.8% '05, 13.4% '06, 19.9% '07, 17.4% '08, 19.3% '09). Gregory (within market type: 0.1% '00, 0% '01, 6.3% '02, 1.1% '03, 7.3% '04, 12.6% '05, 29.4% '06, 49.4% '07, 57.5% '08, 56.4% '09) continues to lead replacements for NC 7 (within market type: 100% '97, 100% '98, 97.8% '99, 74.9% '00, 81.4% '01, 65.3% '02, 58.8% '03, 37.2% '04, 39.5% '05, 39.7% '06, 30.3 '07, 13.2% '08, 5.0% '09). Brantley was the second most used virginia in 2009 (within market type: 2.3% '01, 12.2% '02, 5.2% '03, 13.1% '04, 20.9% '05, 24.6% '06, 13.7% '07, 18.9% '08, 10.2% '09).

TamnutOL06 and OLin were the most common spanish varieties in 2009 (42.8% and 22.8% within market type). Relative use of spanish market type varieties was similar to the previous 7 years (17.0% '97, 12.2% '98, 10.2% '99, 9.3% '00, 10.1% '01, 13.6% '02, 19.1% '03, 14.0% '04, 18.3% '05, 15.8% '06, 15.6% '07, 15.2% '08, 16.3% '09). TamnutOL06 (within market type: 0.3% '06, 3.9% '07, 25.3% '08, 42.8% '09) has seed size and shape similar to most runners, but spanish plant type and days-to-maturity. OLin was originally released in January 2002 but a mishap occurred during the initial seed increase and the first certified seed was available in 2007 (within market type: 0.01% '01, 0.7% '02, 5.5% '03, 0% '04, 0.5% '05, 14.0% '06, 35.3% '07, 25.2% '08, 22.8% '09). AT9899-14 was marketed as spanish because of seed size, even though plant type, pod shape, and days to maturity resemble runner varieties.

Valencias still had the lowest usage among market types in 2009 but relative usage increased in 9 of the last 10 years (2.8% '97, 3.0% '98, 0.8% '99, 0.9% '00, 1.8% '01, 2.1% '02, 4.1% '03, 4.4% '04, 7.2% '05, 8.5% '06, 9.1% '07, 6.9% '08, 13.7% '09). Valencia C was the most common valencia variety in 2009 (57.5% within market type; 7.9% overall).

Varieties released by TAMU plant breeders were planted on 30.5% of all peanut acres in 2009 (19.3% '97, 20.7% '98, 29.3% '99, 19.7% '00, 22.0% '01, 24.3% '02, 29.0% '03, 32.7% '04, 37.6% '05, 39.5% '06, 35.6% '07, 34.7% '08), accounting for 35.0% of all runner acres, 78.6% of all spanish acres, 0% of Virginia acres, and 0% of valencia acres. TAMU breeders do not address the two latter marker types.

Preference for varieties with improved oil quality (high O:L ratio) continued in Texas in 2009 (overall acres: 4.9% '97, 5.5% '98, 17.9% '99, 28.0% '00, 31.8% '01, 41.4% '02, 45.0% '03, 50.3% '04, 54.2% '05, 68.1% '06, 64.7% '07, 70.2% '08, 67.7% '09). Total acres planted with high OL oil varieties in 2009 were mostly runners (74.7% runner, 19.8% spanish, 5.5% virginia, 0% valencia). Within market type high OL varieties in 2009 accounted for 99.6% of runners, 82.2% of spanish, 19.2% of virginias, and 0% of valencias.

Factors affecting variety choice include yield and grade potential; high OL oil; other seed quality issues; seed size; partial resistance to Sclerotinia blight (caused mostly by *Sclerotinia minor*) and spotted wilt (caused by *Tomato spotted wilt virus*); and early maturity. Release of an adapted runner variety with resistance to root knot nematode (caused mostly by *Meloidogyne arenaria*) is expected soon.

**Acknowledgement:** Partial financial support was provided by Texas Peanut Producers Board, Lubbock, TX.

Table 1. 2009 Texas Peanut Variety Survey.<sup>x</sup>

-----A. Variety <sup>y</sup> within market type-----						
		Pounds	Percent lbs.	Acres	Percent acres <sup>z</sup>	
Runner	<i>FlavorRunner458</i>	5,761,850	62.0	48,829	60.7	
	<i>TamrunOL01</i>	1,265,450	13.6	10,909	13.6	
	<i>TamrunOL07</i>	1,046,300	11.3	9,688	12.1	
	<i>TamrunOL02</i>	783,400	8.4	7,254	9.0	

	<i>Florida07</i>	401,650	4.3	3,463	4.3
	NemaTAM	30,650	0.3	284	0.4
All runner		9,289,300	100.0	80,426	100.0
Virginia	Gregory	2,068,630	56.4	17,239	56.4
	<i>Brantley</i>	373,390	10.2	3,112	10.2
	<i>N0098OL</i>	230,750	6.3	1,923	6.3
	AT-07V	211,250	5.8	1,760	5.8
	Jupiter	186,550	5.1	1,555	5.1
	NC7	183,300	5.0	1,528	5.0
	Perry	163,950	4.5	1,366	4.5
	AT-VC-2	91,222	2.5	760	2.5
	Phillips	74,350	2.0	620	2.0
	Champs	75,850	2.1	632	2.1
	<i>FloridaFancy</i>	9,850	0.3	82	0.3
All Virginia		3,669,092	100.0	30,576	100.0
Spanish	<i>TamnutOL06</i>	1,031,890	42.8	11,036	42.8
	<i>OLin</i>	550,570	22.8	5,888	22.8
	<i>AT9899-1</i>	400,050	16.6	4,279	16.6
	Tamspan90	311,950	12.9	3,336	12.9
	Spanco	70,650	2.9	756	2.9
	Pronto	46,700	1.9	499	1.9
All spanish		2,411,810	100.0	25,795	100.0
Valencia	ValenciaC	872,125	56.75	12,459	57.54
	ValenciaA	411,030	26.75	5,872	27.12
	Valencia101	69,000	4.49	986	4.55
	Valencia102	64,500	4.20	921	4.26
	Valencia112	45,300	2.95	533	2.46
	Valencia136	44,850	2.92	528	2.44
	Select	30,000	1.95	353	1.63
All valencia		1,536,805	100.00	21,651	100.00

-----B. Overall by variety-----

Market type, Variety	Pounds	Percent lbs.	Acres	Percent acres
Runner <i>FlavorRunner458</i>	5,761,850	34.1	48,829	30.8
<i>TamrunOL01</i>	1,265,450	7.5	10,909	6.9
<i>TamrunOL07</i>	1,046,300	6.2	9,688	6.1
<i>TamrunOL02</i>	783,400	4.6	7,254	4.6
<i>Florida07</i>	401,650	2.4	3,463	2.2
NemaTAM	30,650	0.2	284	0.2
Virginia Gregory	2,068,630	12.2	17,239	10.9
<i>Brantley</i>	373,390	2.2	3,112	2.0
<i>N0098OL</i>	230,750	1.4	1,923	1.2
AT-07V	211,250	1.3	1,760	1.1

	Jupiter	186,550	1.1	1,555	1.0
	NC7	183,300	1.1	1,528	1.0
	Perry	163,950	1.0	1,366	0.9
	<i>AT-VC-2</i>	91,222	0.5	760	0.5
	Phillips	74,350	0.4	620	0.4
	Champs	75,850	0.5	632	0.4
	<i>FloridaFancy</i>	9,850	0.1	82	0.1
Spanish	<i>TamnutOL06</i>	1,031,890	6.1	11,036	7.0
	<i>OLin</i>	550,570	3.3	5,888	3.7
	<i>AT9899-1</i>	400,050	2.4	4,279	2.7
	Tamspan90	311,950	1.9	3,336	2.1
	Spanco	70,650	0.4	756	0.5
	Pronto	46,700	0.3	499	0.3
Valencia	ValenciaC	872,125	5.2	12,459	7.9
	ValenciaA	411,030	2.4	5,872	3.7
	Valencia101	69,000	0.4	986	0.6
	Valencia102	64,500	0.4	921	0.6
	Valencia112	45,300	0.3	533	0.3
	Valencia136	44,850	0.3	528	0.3
	Select	30,000	0.2	353	0.2
All Varieties		16,907,007	100.0	158,448	100.0

-----C. Overall by market type-----

Market type	Pounds	Percent lbs.	Acres	Percent acres
Runner	9,289,300	54.9	80,426	50.8
Virginia	3,669,092	21.7	30,576	19.3
Spanish	2,411,810	14.3	25,795	16.3
Valencia	1,536,805	9.1	21,651	13.7
All market types	16,907,007	100.0	158,448	100.0

<sup>x</sup>Cooperators in this survey were: USDA FSA, College Station, TX; Birdsong Peanut Co., Brownfield, TX; Golden Peanut Co., DeLeon, TX; Wilco Peanut Co., Pleasanton, TX; Texoma Peanut Co./Clint Williams Co., Madill, OK; Lee County Peanut Co., Giddings, TX; Sunland Inc., Portales, NM; Borden Peanut Co./Hampton Farms/Portales Select, Portales, NM; Glen's Peanuts & Grain, Inc., Portales, NM; Texas Foundation Seed Service, Vernon, TX; Norman Wilson, peanut breeder, Lubbock, TX.

<sup>y</sup>Variety name in *italics* indicates high OL seed oil. Virginia AT-07V was advertised as mid-OL and was not included in estimates of high OL variety usage.

<sup>z</sup>Assumptions: estimated average seeding rates in 2009 by variety or market type for both irrigated and dryland acres were runner 118 lb/ac (FlavorRunner458), 116 lb/ac (TamrunOL01, Fla07), or 108 lb/ac (TamrunOL02, TamrunOL07, NemaTAM); virginia 120 lb/ac; spanish 93.5 lb/ac; and valencia 85 lb/ac (Valencia112, Valencia136, Select) or 70 lb/ac (ValenciaC, ValenciaA, Valencia101, Valencia102). Seed sales to replant fields may have inflated some seeding rate estimates.

## 2010 Texas Peanut Variety Survey

Compiled by Mark C. Black, Extension Plant Pathologist  
Texas AgriLife Extension Service, Uvalde, 16April2011

**SUMMARY:** Texas peanut variety usage in 2010 was estimated from USDA FSA County Acreage Reporting by market type, a survey of peanut seed companies in Texas, Oklahoma, and New Mexico that sell seed for planting in Texas, and other sources. Compared to 2009, Texas growers decreased market type plantings of runner (-6%) and valencia (-44%), and increased acres of virginia (+42%) and spanish (+11%). Total 2010 peanut planted acres were similar to 2009 and 1% less than 2008. Percent market type acres in 2010 were 47% runner, 27% virginia, 18% spanish, and 8% valencia. FlavorRunner458 remained the most commonly planted variety in Texas (23% overall, 48% of runners). Gregory was second most commonly planted variety and the most common virginia variety (13% overall, 48% of virginias). Florida07 was the third most commonly planted variety in Texas and the second most common runner variety (9% overall, 20% of runners). TamrunOL07 was the fourth most commonly planted variety and the third most common runner variety (8% overall, 17% of runners). TamnutOL06 was the fifth most commonly planted variety and the most used spanish variety (8% overall, 42% of spanish). High OL oil varieties were planted on approximately 112,200 acres (70%) in Texas in 2010, and these acres were 66% runner, 23% Spanish, 10% virginia, and 0% valencia. Acres planted with high OL varieties represented 99% of runners, 26% of virginias, 92% of spanish, and 0% of valencias. Varieties released by TAMU plant breeders were planted on 26% of all peanut acres (19% '97, 21% '98, 29% '99, 20% '00, 22% '01, 24% '02, 29% '03, 33% '04, 38% '05, 40% '06, 36% '07, 35% '08, 31% '09) representing 27% of all runner acres, 71% of all spanish acres, and 0% of virginia and valencia acres.

**RESULTS AND DISCUSSION:** Runner usage in Texas continued to decrease in 2010 (average 75% acres '97-'02; average 60% acres '03-'08, average 49% acres '09-'10)(Table 1). Percent acres planted to FlavorRunner458 have been similar for 11 years (overall: 25% '00, 29% '01, 33% '02, 36% '03, 32% '04, 28% '05, 29% '06, 31% '07, 37% '08, 31% '09, 23% '10). FlavorRunner458 has been the most commonly planted peanut variety in Texas for 11 consecutive years. Use of TamrunOL07, the most recent TAMU runner variety released with the high OL trait, increased in 2010 (overall: 0.01% '06, 0.2% '07, 2% '08, 6% '09, 8% '10). Use of TamrunOL01 continued to decrease after peaking in 2005 (overall: 0.3% '02, 6% '03, 12% '04, 14% '05, 8% '06, 11% '07, 8% '08, 7% '09, 4% '10). Use of TamrunOL02 continued to decrease after peaking in 2006 (overall: 0.2% '03, 2% '04, 6% '05, 21% '06, 12% '07, 12% '08, 5% '09, 1% '10).

Virginia market type usage was at a record high in 2010 (10% '97, 14% '98, 10% '99, 11% '00, 9% '01, 12% '02, 16% '03, 19% '04, 14% '05, 13% '06, 20% '07, 17% '08, 19% '09, 27% '10). Gregory (within market type: 0.1% '00, 0% '01, 6% '02, 1% '03, 7% '04, 13% '05, 29% '06, 49% '07, 58% '08, 56% '09, 48% '10) continues to lead replacements for NC 7 (within market type: 100% '97, 100% '98, 98% '99, 75% '00, 81% '01, 65% '02, 59% '03, 37% '04, 40% '05, 40% '06, 30 '07, 13% '08, 5% '09, 4% '10). FloridaFancy was the second most used virginia in 2010 (within market type: 0.3% '09, 16% '10).



TamnutOL06 and OLin were the most common spanish varieties in 2010 (42% and 29% within market type). Relative use of spanish market type varieties was similar to the previous 7 years (17% '97, 12% '98, 10% '99, 9% '00, 10% '01, 14% '02, 19% '03, 14% '04, 18% '05, 16% '06, 16% '07, 15% '08, 16% '09, 18% '10). TamnutOL06 (within market type: 0.3% '06, 4% '07, 25% '08, 43% '09, 42% '10) has seed size and shape similar to most runners, but spanish plant type and days-to-maturity. OLin was originally released in 2002 but a mishap occurred during the initial seed increase and the first certified seed was available in 2007 (within market type: 0.01% '01, 0.7% '02, 6% '03, 0% '04, 0.5% '05, 14% '06, 35% '07, 25% '08, 23% '09, 29% '10).

Valencias still had the lowest usage among market types in 2010 (3% '97, 3% '98, 1% '99, 1% '00, 2% '01, 2% '02, 4% '03, 4% '04, 7% '05, 9% '06, 9% '07, 7% '08, 14% '09, 8% '10). Valencia C was the most common valencia variety in 2010 (56% within market type; 4% overall).

Varieties released by TAMU plant breeders were planted on 26% of all peanut acres in 2010 (20% '97, 21% '98, 30% '99, 20% '00, 22% '01, 24% '02, 29% '03, 33% '04, 38% '05, 40% '06, 36% '07, 35% '08, 31% '09), accounting for 27% of all runner acres, 71% of all spanish acres, 0% of Virginia acres, and 0% of valencia acres. TAMU breeders have not addressed the two latter marker types.

Preference for varieties with improved oil quality (high O:L ratio) continued in Texas in 2010 (overall acres: 5% '97, 6% '98, 18% '99, 28% '00, 32% '01, 41% '02, 45% '03, 50% '04, 54% '05, 68% '06, 65% '07, 70% '08, 68% '09, 70% '10). Total acres planted with high OL oil varieties in 2010 were mostly runners (66% runner, 23% spanish, 10% virginia, 0% valencia). Within market type high OL varieties in 2010 accounted for 99% of runners, 92% of spanish, 26% of virginias, and 0% of valencias.

Factors affecting variety choice include yield and grade potential; high OL oil; other seed quality issues; seed size; partial resistance to Sclerotinia blight (caused mostly by *Sclerotinia minor*) and spotted wilt (caused by *Tomato spotted wilt virus*); and early maturity.

**Acknowledgement:** Partial financial support was provided by Texas Peanut Producers Board, Lubbock, TX.

Table 1. 2010 Texas Peanut Variety Survey.

-----A. Variety <sup>y</sup> within market type-----					
		Pounds	Percent lbs.	Acres	Percent acres <sup>z</sup>
Runner	<i>FlavorRunner458</i>	4,034,100	49	36,020	48
	<i>Florida07</i>	1,664,200	20	14,860	20
	<i>TamrunOL07</i>	1,272,700	15	12,480	17
	<i>TamrunOL01</i>	630,400	8	5,630	8
	<i>ACI121</i>	235,100	3	2,310	3
	<i>TamrunOL02</i>	230,600	3	2,260	3
	<i>ACI149</i>	88,800	1	870	1
	Others (4)	59,600	1	590	1
All runner		8,215,500	100	75,000	100
Virginia	Gregory	2,368,400	48	20,960	48
	<i>FloridaFancy</i>	761,600	15	6,740	15
	Perry	380,600	8	3,370	8
	Jupiter	369,200	7	3,270	7
	<i>Brantley</i>	335,700	7	2,970	7
	Others (5)	711,400	14	6,300	14
	All virginia		4,926,900	100	43,600
Spanish	<i>TamnutOL06</i>	1,334,900	42	12,140	42
	<i>OLin</i>	908,100	29	8,260	29
	Others (4)	902,800	29	8,210	29
All spanish		3,145,800	100	28,600	100
Valencia	ValenciaC	672,600	56	6,790	56
	GENETEX112	127,700	11	1,290	11
	ValenciaA	124,100	10	1,260	10
	Others (3)	267,700	22	2,700	22
All valencia		1,192,100	100	12,040	100
-----B. Overall by variety-----					
Market type, Variety	Pounds	Percent lbs.	Acres	Percent acres	
Runner	<i>FlavorRunner458</i>	4,034,100	23	36,020	23
	<i>Florida07</i>	1,664,200	10	14,860	9
	<i>TamrunOL07</i>	1,272,700	7	12,480	8
	<i>TamrunOL01</i>	630,400	4	5,630	4
	<i>ACI121</i>	235,100	1	2,310	1
	<i>TamrunOL02</i>	230,600	1	2,260	1
	<i>ACI149</i>	88,800	1	870	1
	Others (4)	59,600	0	590	0

Virginia	Gregory	2,368,400	14	20,960	13
	<i>FloridaFancy</i>	761,600	4	6,740	4
	Perry	380,600	2	3,370	2
	Jupiter	369,200	2	3,270	2
	<i>Brantley</i>	335,700	2	2,970	2
	Others (5)	711,400	4	6,300	4
Spanish	<i>TamnutOL06</i>	1,334,900	8	12,140	8
	<i>OLin</i>	908,100	5	8,260	5
	Others (4)	902,800	5	8,210	5
Valencia	ValenciaC	672,600	4	6,790	4
	GENETEX112	127,700	1	1,290	1
	ValenciaA	124,100	1	1,250	1
	Others (3)	267,700	2	2,700	2
All varieties		17,480,200	100	159,240	100

-----C. Overall by market type-----

Market type	Pounds	Percent lbs.	Acres	Percent acres
Runner	8,215,500	47	75,000	47
Virginia	4,926,900	28	43,600	27
Spanish	3,145,800	18	28,600	18
Valencia	1,192,100	7	12,040	8
All market types	17,480,200	100	159,240	100

<sup>y</sup>Variety name in *italics* indicates high OL seed oil. Mid OL and was not included in estimates of high OL variety usage.

<sup>z</sup>Assumptions: estimated average seeding rates in 2010 by variety or market type for both irrigated and dryland acres were runner 112 lb/ac (FlavorRunner458, Florida07, TamrunOL01), or 102 lb/ac (others); virginia 113 lb/ac; spanish 110 lb/ac; and valencia 99 lb/ac.

## 2011 Texas Peanut Variety Survey

Compiled by Mark C. Black, Extension Plant Pathologist  
Texas AgriLife Extension Service, Uvalde, 17February2012

**SUMMARY:** Texas peanut variety usage in 2011 was estimated from USDA FSA County Acreage Reporting by market type, a survey of peanut seed companies in Texas, Oklahoma, and New Mexico that sold seed for planting in Texas, and other sources. Compared to 2010, Texas growers decreased plantings of all market type: runner (-25%), virginia (-28%), spanish (-69%) and valencia (-46%). Total 2011 peanut planted acres were 35.4% less than 2010 and 35.0% less than 2009. Percent market type acres in 2011 were 55% runner, 30% virginia, 9% spanish, and 6% valencia. FlavorRunner458 remained the most commonly planted variety in Texas (20% overall, 36% of runners). Gregory was second most commonly planted variety and the most common virginia variety (17% overall, 55% of virginias). Florida07 was the third most commonly planted variety in Texas and the second most common runner variety (12% overall, 22% of runners). TamrunOL07 was the fourth most commonly planted variety and the third most common runner variety (10% overall, 18% of runners). Florida Fancy was the fifth most commonly planted variety and the second most used virginia variety (8% overall, 25% of virginias). High OL oil varieties were planted on approximately 73,248 acres (71%) in Texas in 2011, and these acres were 77% runner, 12% Spanish, 11% virginia, and 0% valencia. Acres planted with high OL varieties represented 100% of runner, 25% of virginia, 100% of spanish, and 0% of valencia market types. Varieties released by TAMU plant breeders were planted on 25% of all peanut acres (19% '97, 21% '98, 29% '99, 20% '00, 22% '01, 24% '02, 29% '03, 33% '04, 38% '05, 40% '06, 36% '07, 35% '08, 31% '09, 26% '10) representing 32% of all runner, 82% of all spanish, and 0% of virginia and valencia acres.

**RESULTS AND DISCUSSION:** Relative runner usage in Texas rebounded a little in 2011 (average 75% acres '97-'02; average 60% acres '03-'08, average 49% acres '09-'10, 55% acres '11)(Table 1). Percent acres planted to FlavorRunner458 was the lowest in 12 years (overall: 25% '00, 29% '01, 33% '02, 36% '03, 32% '04, 28% '05, 29% '06, 31% '07, 37% '08, 31% '09, 23% '10, 20% '11). FlavorRunner458 has been the most commonly planted peanut variety in Texas for 12 consecutive years. Relative use of TamrunOL07 increased in 2011 (overall: 0.01% '06, 0.2% '07, 2% '08, 6% '09, 8% '10, 10% '11). Use of TamrunOL01 peaked in 2005 (overall: 0.3% '02, 6% '03, 12% '04, 14% '05, 8% '06, 11% '07, 8% '08, 7% '09, 4% '10, 7% '11). Use of TamrunOL02 continued to decrease after peaking in 2006 (overall: 0.2% '03, 2% '04, 6% '05, 21% '06, 12% '07, 12% '08, 5% '09, 1% '10, 0.8% '11).

Virginia market type usage in Texas set a second consecutive record high in 2011 (10% '97, 14% '98, 10% '99, 11% '00, 9% '01, 12% '02, 16% '03, 19% '04, 14% '05, 13% '06, 20% '07, 17% '08, 19% '09, 27% '10, 30% '11). Gregory (within market type: 0.1% '00, 0% '01, 6% '02, 1% '03, 7% '04, 13% '05, 29% '06, 49% '07, 58% '08, 56% '09, 48% '10, 55% '11) continues to lead replacements for the former standard NC 7 (within market type: 100% '97, 100% '98, 98% '99, 75% '00, 81% '01, 65% '02, 59% '03, 37% '04, 40% '05, 40% '06, 30 '07, 13% '08, 5% '09, 4% '10, 0% '11). FloridaFancy was the second most used virginia in 2011 (within market type: 0.3% '09, 16% '10, 25% '11).

Relative use of spanish market type varieties was similar to the lows of 1999 to 2001 (17% '97, 12% '98, 10% '99, 9% '00, 10% '01, 14% '02, 19% '03, 14% '04, 18% '05, 16% '06, 16% '07, 15% '08, 16% '09, 18% '10, 9% '11). TamnutOL06, the most common spanish variety in 2011 (within market type: 0.3% '06, 4% '07, 25% '08, 43% '09, 42% '10, 72% '11) has seed size and shape similar to most runners, but spanish plant type and days-to-maturity.

Valencias had the lowest usage among market types in 2011 (3% '97, 3% '98, 1% '99, 1% '00, 2% '01, 2% '02, 4% '03, 4% '04, 7% '05, 9% '06, 9% '07, 7% '08, 14% '09, 8% '10, 6% '11). Valencia C was the most common valencia variety in 2011 (49% within market type; 3% overall).

Varieties released by TAMU plant breeders were planted on 25% of all peanut acres in 2011 (20% '97, 21% '98, 30% '99, 20% '00, 22% '01, 24% '02, 29% '03, 33% '04, 38% '05, 40% '06, 36% '07, 35% '08, 31% '09, 26% '10), accounting for 32% of runner, 82% of spanish, 0% of virginia, and 0% of valencia acres. TAMU breeders recently began work on virginia market types.

Preference for varieties with improved oil quality (high O:L ratio) continued in Texas in 2011 (overall acres: 5% '97, 6% '98, 18% '99, 28% '00, 32% '01, 41% '02, 45% '03, 50% '04, 54% '05, 68% '06, 65% '07, 70% '08, 68% '09, 70% '10, 71% '11). Total acres planted with high OL oil varieties in 2011 were mostly runners (77% runner, 12% spanish, 11% virginia, 0% valencia). High OL varieties in 2011 accounted for 100% of runner, 100% of spanish, 25% of virginia, and 0% of Valencia acres.

Factors affecting variety choice include yield and grade potential; high OL oil; other seed quality issues; seed size; partial resistance to Sclerotinia blight (caused mostly by *Sclerotinia minor*) and spotted wilt (caused by *Tomato spotted wilt virus*); and early maturity; and yield and quality loss from pod disorders (“pod rots”).

**Acknowledgement:** Partial financial support was provided by Texas Peanut Producers Board, Lubbock, TX.

Table 1. 2011 Texas Peanut Variety Survey.

-----A. Variety <sup>y</sup> within market type-----					
		Pounds	Percent lbs.	Acres	Percent acres <sup>z</sup>
Runner	<i>FlavorRunner458</i>	2,290,000	37.1	20,265	35.9
	<i>Florida07</i>	1,391,050	22.6	12,310	21.8
	<i>TamrunOL07</i>	1,040,500	16.9	10,405	18.4
	<i>TamrunOL01</i>	789,400	12.8	6,986	12.4
	<i>Georgia09B</i>	144,650	2.4	1,447	2.6
	<i>Red River Runner</i>	83,410	1.4	834	1.5
	Other (3)	427,050	6.9	4,272	7.6
	All runner		6,166,060	100	56,518
Virginia	Gregory	1,797,100	54.6	16,954	54.6
	<i>FloridaFancy</i>	829,350	25.2	7,824	25.2
	Perry	229,200	7.0	2,162	7.0
	Other (2)	434,397	13.2	4,098	13.2
All virginia		3,290,047	100	31,038	100
Spanish	<i>TamnutOL06</i>	837,630	72.3	6,443	72.3
	Other (2)	320,220	27.7	2,463	27.7
All spanish		1,157,850	100	8,907	100
Valencia	ValenciaC	234,080	48.5	3,121	48.5
	Other (8)	248,970	51.6	3,319	51.6
All valencia		483,050	100	6,441	100
-----B. Overall by variety-----					
Market type, Variety		Pounds	Percent lbs.	Acres	Percent acres
Runner	<i>FlavorRunner458</i>	2,290,000	20.6	20,265	19.7
	<i>Florida07</i>	1,391,050	12.5	12,310	12.0
	<i>TamrunOL07</i>	1,040,500	9.4	10,405	10.1
	<i>TamrunOL01</i>	789,400	7.1	6,986	6.8
	<i>Georgia09B</i>	144,650	1.3	1,447	1.4
	<i>Red River Runner</i>	83,410	0.8	834	0.8
	Other (3)	427,050	3.9	4,272	4.2
	Virginia	Gregory	1,797,100	16.2	16,954
	<i>FloridaFancy</i>	829,350	7.5	7,824	7.6
	Perry	229,200	2.1	2,162	2.1
	Other (2)	434,397	3.9	4,098	4.0
Spanish	<i>TamnutOL06</i>	837,630	7.6	6,443	6.3
	Other (2)	320,220	2.9	2,463	2.4

<i>Valencia</i>	ValenciaC	234,080	2.1	3,121	3.0
	Other (8)	248,970	2.2	3,319	3.2
All varieties		11,097,007	100	102,903	100

-----C. Overall by market type-----

Market type	Pounds	Percent lbs.	Acres	Percent acres
Runner	6,166,060	55.6	56,518	54.9
Virginia	3,290,047	29.7	31,038	30.2
Spanish	1,157,850	10.4	8,907	8.7
Valencia	483,050	4.4	6,441	6.3
All market types	11,097,007	100	102,903	100

<sup>y</sup>Variety name in *italics* indicates high OL seed oil. One mid OL variety was not included in estimates of high OL variety usage.

<sup>z</sup>Assumptions: estimated average seeding rates in 2011 by variety or market type for both irrigated and dryland acres were runner 113 lb/ac (FlavorRunner458, Florida07, TamrunOL01), or 100 lb/ac (all others); virginia 106 lb/ac; spanish 130 lb/ac; and valencia 75 lb/ac.