

Texas A&M Research & Extension Center - Vernon

Runner Peanut Variety Trials

Project Code..... : PACF04-01
Cooperator..... : Ag-Cares Farm
Location..... : Lamesa, TX
Experimental Design..... : RCB
Number of Reps/Plot Size..... : 4/2-40" rows x 75'
Planting Date..... : 4/26/2004
Digging Date..... : 10/19/2004
Harvest Date..... : 11/8/2004
Days from Planting to Digging..... : 176
Comments: There were no yield differences between any of the varieties. Carver, GP-1, Georgia 02C, and ANorden all yielded over 4000 lbs/A. Grade was 80 or greater with Georgia 02C, AT 215, and Flavorrunner 458.

Project Code..... : PAT04-01
Cooperator..... : Chuck & Quentin Marsh
Location..... : Charlotte, TX
Experimental Design..... : RCB
Number of Reps/Plot Size..... : 4/2-36" rows x 60'
Planting Date..... : 6/8/2004
Digging Date..... : 10/22/2004
Harvest Date..... : 10/28/2004
Days from Planting to Digging..... : 142
Comments: Tamrun OL 01, Carver, Tamrun 96, and Andru II all yielded greater than 5000 lbs/A. Georgia 02C and 01R, Carver, and C99-4 all had a grade of greater than 75.

Project Code..... : PCO04-01
Cooperator..... : Larry Beseda
Location..... : Whiteface, TX
Experimental Design..... : RCB
Number of Reps/Plot Size..... : 4/2-40" rows x 40'
Planting Date..... : 5/5/2004
Digging Date..... : 10/26/2004
Harvest Date..... : 11/10-11/2004
Days from Planting to Digging..... : 174
Comments: Georgia 03L, Flavorrunner 458, and Tamrun OL 01 all yielded greater than 5500 lbs/A. Peanut grade was less than 72 with all varieties.



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Runner Peanut Variety Trials

Project Code.....: PCW04-01
Cooperator.....: Dan & Rex Henard
Location.....: Quail, TX
Experimental Design.....: RCB
Number of Reps/Plot Size.....: 4/2-40" rows x 50'
Planting Date.....: 5/5/2004
Digging Date.....: 10/2/2004
Harvest Date.....: 10/17/2004
Days from Planting to Digging.....: 150
Comments: Carver, Tamrun OL 01, ANorden, and Flavorrinner 458 all yielded over 5000 lbs/A. Grade was 75 or greater with all varieties except Andru II, Carver, and Georgia 03L.

Project Code.....: PFR04-01
Cooperator.....: Greg Tschirhart
Location.....: Pearsall, TX
Experimental Design.....: RCB
Number of Reps/Plot Size.....: 4/2-36" rows x 55'
Planting Date.....: 6/21/2004
Digging Date.....: 10/18/2004
Harvest Date.....: 10/25/2004
Days from Planting to Digging.....: 119
Comments: Yield was greater than 6000 lbs/A with Carver. Grade was 75 or greater with all varieties except Andru II and DP-1.

Project Code.....: PHK04-01
Cooperator.....: Jimmy Burson
Location.....: Rochester, TX
Experimental Design.....: RCB
Number of Reps/Plot Size.....: 4/2-40" rows x 75'
Planting Date.....: 5/7/2004
Digging Date.....: 10/4/2004
Harvest Date.....: 11/8/2004
Days from Planting to Digging.....: 150
Comments: Tamrun OL 01 and Carver both yielded over 3500 lbs/A. Anorden and Flavorrinner 458 each had a grade of 78.

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Runner Peanut Variety Trials

Project Code..... : PTY04-01
Cooperator..... : Glen Martin
Location..... : Brownfield, TX
Experimental Design..... : Randomized Complete Block
Number of Reps/Plot Size..... : 4/2-40" rows x 75'
Planting Date..... : 4/28/2004
Digging Date..... : 10/13/2000
Harvest Date..... : 10/29/2004
Days from Planting to Digging..... : 168
Comments: Flavorrunner 458, Anorden, Tamrun OL 02, and Tamrun 96 all yielded over 3000 lbs/A. Anorden and Flavorrunner 458 each had a grade of 78 or higher. Peanut yields in this trial were affected by erratic plant stands.

Project Code..... : PWB04-01
Cooperator..... : Clint White
Location..... : Fargo, TX
Experimental Design..... : Randomized Complete Block
Number of Reps/Plot Size..... : 4/2-40" rows x 75'
Planting Date..... : 5/3/2004
Digging Date..... : 10/14/2004
Harvest Date..... : 10/25/2004
Days from Planting to Digging..... : 164
Comments: Carver, Tamrun OL 01, and Flavorrunner 458 yielded over 4000 lbs/A. There was no difference in grade between varieties.

Project Code..... : PWPG04-01
Cooperator..... : Western Peanut Growers Farm
Location..... : Denver City, TX
Experimental Design..... : RCB
Number of Reps/Plot Size..... : 4/2-36" rows x 75'
Planting Date..... : 4/27/2004
Digging Date..... : 10/12/2004
Harvest Date..... : 10/19/2004
Days from Planting to Digging..... : 168
Comments: There were no yield differences between any of the varieties. AT127 yielded over 4000 lbs/A. ANorden, AT215, and Georgia 02C all had a grade of 80 or higher.

**Yields of Tamrun OL 02 in these trials were most likely influenced by the erratic stands due to a higher number of splits that occurred with the seed sample.

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Runner Peanut Variety Trial

Location: Lamesa, TX Cooperator: Ag-Cares

Variety	Yield	Grade	SMK	SS	OK	DK
	lb/A	----- (%)		-----		
Carver	4437	78	70	8	1	1
GP-1	4433	78	63	15	1	0
Georgia 02C	4394	80	70	10	1	0
ANorden	4337	79	63	15	1	1
AT 1-1	3938	77	67	11	1	1
AT215	3903	81	68	13	1	0
AT127	3890	73	62	11	1	1
Flavorrinner 458	3786	80	67	13	1	0
Tamrun OL 01	3782	78	67	11	1	1
Georgia 03L	3743	76	63	13	1	0
Andru II	3734	78	61	18	1	1
Tamrun OL 02	3135	77	68	9	1	0
LSD (P=.10)	NS	1	4	4	NS	NS
Standard Deviation	675	1	3	3	0	0
CV	17	1	4	21	45	98
Test Mean	3959	78	66	12	1	1

Runner Peanut Variety Trial

Location: Charlotte, TX Cooperator: Chuck & Quentin Marsh

Variety	Yield	Grade	SMK	SS	OK	DIS	DIS
	lb/A	----- (%)		-----		%	#
Tamrun OL 01	5355	75	69	6	4	7	4
Carver	5264	76	72	4	3	13	6
Tarmrun 96	5264	75	70	5	3	4	2
Andru II	5097	73	62	10	5	6	3
Georgia 02C	4991	77	70	6	3	8	4
C-99R	4765	76	72	4	3	9	5
GP-1	4765	75	69	6	5	6	3
ANorden	4674	75	68	7	5	12	6
DP-1	4281	72	69	3	5	5	3
Hull	3782	75	68	6	3	0	0
Tamrun OL 02	3615	74	69	5	4	5	3
Georgia 01R	3524	76	67	8	4	2	1
LSD (P=.10)	439	2	2	2	1	5	2
Standard Deviation	366	1	2	2	1	4	2
CV	8	2	3	28	22	64	64
Test Mean	4615	75	69	6	4	6	3

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Runner Peanut Variety Trial

Location: Whiteface, TX

Cooperator: Larry Beseda

Variety	Yield	Grade	SMK	SS	DK	PDL	PDR	PL/A
	lb/A	----- (%) -----			-- rating --		x1000	
Georgia 03L	5836	67	64	3	4	1	2	39
Flavorrunner 458	5713	70	70	1	7	1	1	36
Tamrun OL 01	5672	70	69	1	4	1	2	37
Tamrun OL 02	5227	66	65	1	3	1	2	38
GP-1	5137	71	70	2	7	0	1	50
Tamrun 96	5137	68	67	1	4	1	1	18
Andru II	4945	64	62	2	12	1	1	47
ANorden	4807	64	63	1	13	1	2	42
Georgia 02C	4749	62	58	3	9	1	3	26
Carver	4525	68	67	1	4	1	1	44
LSD (P=.10)	384	3						
Standard Deviation	553	3						
CV	11	5						
Test Mean	5175	67	66	2	7	1	2	38

Runner Peanut Variety Trial

Location: Quail, TX

Cooperator: Dan & Rex Henard

Variety	Yield	Grade	SMK	SS	OK	DK
	lb/A	----- (%) -----			-----	
Carver	5449	74	65	10	2	1
Tamrun OL 01	5383	76	70	6	2	1
ANorden	5316	75	58	17	2	1
Flavorrunner 458	5051	77	66	12	2	1
Tarmrun 96	4918	75	68	8	2	1
Tamrun OL 02	4884	77	67	10	1	1
GP-1	4884	76	62	14	2	1
Andru II	4718	74	61	14	2	1
Virugard	4486	78	67	11	1	0
AT 1-1	4320	76	68	9	1	1
Georgia 02C	4187	79	68	10	1	1
Georgia 03L	3688	74	59	15	2	1
LSD (P=.10)	556	2	4	4	NS	1
Standard Deviation	463	1	3	3	1	0
CV	10	2	4	24	35	49
Test Mean	4774	76	65	11	2	1

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Runner Peanut Variety Trial

Location: Pearsal, TX

Cooperator: Greg Tschirhart

Variety	Yield	Grade	SMK	SS	OK	TSW	DIS	DIS
	lb/A	----- (%) -----				%	%	#
Carver	6122	77	72	6	3	8	10	5
Andru II	5940	74	59	16	4	5	19	9
Anorden	5792	78	64	14	3	7	16	8
Tamrun 96	5577	75	65	10	3	16	17	9
Tamrun OL 01	5462	76	68	8	3	26	31	15
Georgia 02C	5429	79	66	13	2	5	8	4
GP-1	5066	78	61	17	4	17	29	14
DP-1	4884	73	70	3	6	4	3	1
Tamrun OL 02	4604	75	68	7	3	22	25	13
Hull	4538	76	63	13	3	7	7	4
C-99R	4389	76	69	7	3	6	14	7
Georgia 01R	3878	77	66	11	3	4	6	3
LSD (P=.10)	496	2	4	3	1	3	7	4
Standard Deviation	413	1	3	3	1	3	6	3
CV	8	2	5	27	31	25	40	40
Test Mean	5140	76	66	10	3	10	15	8

Runner Peanut Variety Trial

Location: Rochestor, TX

Cooperator: Jimmy Burson

Variety	Yield	Grade	SMK	SS	OK	DK
	lb/A	----- (%) -----				
Tamrun OL 01	3529	75	64	11	2	0
Carver	3520	74	61	14	3	1
Andru II	3250	76	57	19	1	1
ANorden	3207	78	61	16	1	1
Flavorrinner 458	3094	78	62	16	2	1
Tamrun OL 02	3002	76	63	13	2	0
AT 1-1	2759	76	62	14	1	1
Georgia 02C	2739	77	59	18	1	1
Georgia 01R	2691	76	58	18	2	1
Hull	2602	75	52	24	2	1
GP-1	2589	77	59	18	2	1
C99R	2067	75	63	12	2	1
LSD (P=.10)	422	2	4	4	NS	NS
Standard Deviation	352	1	3	3	1	0
CV	12	2	5	18	37	68
Test Mean	2921	76	60	16	2	1

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Runner Peanut Variety Trial

Location: **Brownfield, TX**

Cooperator: **Glen Martin**

Variety	Yield	Grade	SMK	SS	OK	DK
	lb/A	----- (%) -----			-----	
Flavorrinner 458	3566	79	71	8	1	1
ANorden	3212	78	68	10	2	1
Tamrun OL 02	3119	76	69	7	1	1
Tamrun 96	3021	74	66	8	2	1
Georgia 02C	2910	76	68	8	1	1
Andru II	2853	75	65	10	1	1
AT 1-1	2537	74	68	6	1	0
Carver	2198	74	69	5	3	1
Tamrun OL 01	2166	76	71	5	1	0
Virugard	1913	77	71	7	1	0
GP-1	1883	74	69	5	2	1
Georgia 03L	1556	74	65	9	1	0
LSD (P=.10)	582	2	4	NS	NS	NS
Standard Deviation	485	2	3	2	1	1
CV	19	2	4	32	41	87
Test Mean	2578	76	68	7	1	1

Runner Peanut Variety Trial

Location: **Fargo, TX**

Cooperator: **Clint White**

Variety	Yield	Grade	SMK	SS	OK	DK
	lb/A	----- (%) -----			-----	
Carver	5089	77	68	9	1	1
Tamrun OL 01	4713	77	69	8	1	1
Flavorrinner 458	4197	78	67	11	2	1
Georgia 02C	3986	76	68	9	2	1
Andru II	3916	77	69	9	1	1
ANorden	3846	78	66	12	1	1
AT 1-1	3799	78	68	10	1	1
Hull	3048	78	65	13	1	1
GP-1	2978	75	65	11	2	1
Georgia 01R	2931	77	70	7	1	0
Tamrun OL 02	2837	78	67	11	2	1
C99R	2814	77	67	11	1	1
LSD (P=.10)	724	NS	NS	NS	NS	NS
Standard Deviation	603	1	2	3	1	0
CV	16	2	4	27	37	47
Test Mean	3680	77	67	10	1	1

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Runner Peanut Variety Trial

Location: Denver City, TX

Cooperator: Western Peanut Growers

Variety	Yield lb/A	Grade	SMK	SS (%)	OK	DK
AT127	4268	75	67	8	1	1
ANorden	3982	80	61	19	1	1
Carver	3919	79	68	11	1	1
Georgia 03L	3829	74	66	8	1	1
Andru II	3753	79	60	19	1	1
Flavorrinner 458	3710	79	66	14	1	1
Georgia 02C	3681	81	68	13	1	1
AT215	3523	80	65	15	1	1
Tamrun OL 01	3412	77	67	10	2	1
Tamrun OL 02	3362	77	67	10	2	1
AT 1-1	3341	76	66	10	1	1
GP-1	3327	79	65	14	1	0
LSD (P=.10)	NS	2	4	5	NS	NS
Standard Deviation	548	1	3	3	0	0
CV	15	2	5	27	35	53
Test Mean	3676	78	66	13	1	1

LSD = least significant difference, CV = coefficient of variation, NS = not significant
 SMK = sound mature kernel, SS = sound splits, OK = other kernel, DK = damaged kernel,
 DIS = disease infection sites, TSW = tomato spotted wilt virus
 PDL = pod loss rating (0 = none, 1 = few, 2 = some, 3 = fair)
 PDR = pod rot rating (0 = none, 1 = 1-2%, 2 = 3-10%, 3 = >10%)
 PL/A = plants per acre x 1000
 Means within a column which differ by more than the LSD are statistically different (P=0.10).