

Texas A&M Research & Extension Center - Vernon

Virginia Peanut Variety Trials

Project Code..... : PWPG04-02
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: NC12C was the only variety to yield over 3500 lbs/A and have a grade greater than 75. NC 12C, Gregory, Jupiter, NC00009 HiOL all had more than 40% extra large kernels.

Project Code..... : PYK04-01
Cooperator..... : Jet Wilmeth
Location..... : Plains, TX
Experimental Design..... : RCB
Number of Reps/Plot Size..... : 4/2-40" rows x 36'
Planting Date..... : 4/29/2004
Digging Date..... : 10/11/2004
Harvest Date..... : 10/28/2004
Days from Planting to Digging..... : 165
Comments: NC 12C, Perry, and Gregory all yielded greater than 6000 lbs/A. There were no difference in grade, with NC 12C having greater than 60% extra large kernels.



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Virginia Peanut Variety Trial

Location: Denver City, TX

Cooperator: Western Peanut Growers

Variety	Yield	Grade	SMK	SS	OK	DK	JK	ELK
	lb/A	----- (%) -----						
NC 12C	3745	76	70	6	1	1	44	54
Gregory	3434	75	71	5	1	1	46	51
Perry	3342	75	67	9	1	1	20	32
VC2	3229	75	68	7	1	0	32	25
NC 7	2987	74	66	9	1	1	14	22
Jupiter	2863	75	67	9	1	1	42	42
NC00009 HiOL	2101	75	66	9	1	1	45	53
LSD (P=.10)	511	NS	4	3	NS	1	9	5
Standard Deviation	408	1	2	2	0	0	6	4
CV	13	2	4	28	25	39	19	9
Test Mean	3117	75	67	8	1	1	32	39

Virginia Peanut Variety Trial

Location: Plains, TX

Cooperator: Jet Wilmeth

Variety	Yield	Grade	ELK	JK	PV	PDL	PDR	PL/A
	lb/A	----- (%) -----			5/13	10/22	10/22	x1000
NC 12C	6378	73	62		3	1	1	41
Perry	6080	73	54		3	1	1	43
Gregory	6067	71	58		3	1	1	41
NC-7	5985	68	34		4	1	2	47
VC-2-P	5853	71	60		3	1	1	42
VC-2	5597	72	41		3	2	1	37
Jupiter	5405	71	56		3	1	1	43
LSD (P=.10)	396	NS	6					
Standard Deviation	420	3	11					
CV	7	4	21					
Test Mean	5909	71	50		3	1	1	42

LSD = least significant difference, CV = coefficient of variation; NS = not significant
 SMK = sound mature kernel, SS = sound splits, OK = other kernel, DK = damaged kernel,
 JK = jumbo kernel, ELK = extra large kernel
 PV = plant vigor rating (0 = none, 1 = poor, 2 = fair, 3 = good, 4 = very good, 5 = excellent)
 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
 P next to variety designates planted from producers seed supply
 Vigor Rating: 0 = none, 1 = poor, 5 = high; Pod Rot/Loss Rating: 0 = none, 2 = fair, 3 = high
 Means within a column which differ by more than the LSD are statistically different (P=0.10).