

TITLE:

Peanut Production Management

AUTHORS:

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METHODS AND PROCEDURES:

Four trials were planted at the Western Peanut Growers Farm near Denver City, TX on April 29, 2003. These trials included a runner variety trial, a Virginia variety, trial, a market-type evaluation, and an evaluation of the effects of calcium on Virginia peanut. In the calcium study two applications of N-Cal at 12 GPA each were applied on 6/26/03 and 7/23/03, in addition 1500 lbs/A (750 lbs/A 20" band) of gypsum was applied on 6/26/03.

RESULTS AND DISCUSSION:

GP-1, FlavorRunner 458, Norden, and Carver all yielded more than 4000 lbs/A (Table 1). Carver had a higher grade than all other runner varieties. NC12C, Gregory, and Perry all yielded greater than 3000 lbs/A (Table 2). There were no differences in grade between any of the Virginia varieties. FlavorRunner 458 yielded more than any of the other varieties or market-types (Table 3). Yields were similar with Tamrun OL 02, NC7, and VC2. Yields were lower with the Spanish market-type whether planted in single or twin rows. The runner market-types had a higher grade than the other market types. Yields and grade were not affected by any of the calcium applications (Table 4).

Table 1. Runner peanut variety trial - Western Peanut Growers Farm, 2003.			
Variety	Yield		Grade
	------(lb/A)-----		------(%)-----
GP-1	4260		76
FlavorRunner 458	4230		77
Norden	4060		75
Carver	4060		78
Tamrun 96	3910		75
GA 982502 High O/L	3710		74
Tamrun OL 01	3610		75
Andru II	3550		76
Nematam	3480		75
Tamrun OL 02	3430		75
LSD (10%)	400		1
C.V.	9		1
Mean	3830		76

Planted (4/29/03), dug (10/8/03, 162 days), harvested (10/15/03).

Table 2. Virginia peanut variety trial - Western Peanut Grower Farm, 2003.			
Variety	Yield		Grade
	------(lb/A)-----		------(%)-----
NC12C	3680		73
Gregory	3270		73
Perry	3250		74
NC7	2760		74
Jupiter	2740		74
VC2	2550		74
LSD (10%)	290		NS
C.V.	8		2
Mean	3040		74

Planted (4/29/03), dug (10/1/03, 155 days), harvested (10/15/03).

Table 3. Market-type trial - Western Peanut Growers Farm, 2003.			
Variety	Yield		Grade
	----- (lb/A) -----		----- (%) -----
FlavorRunner 458	4540		78
Tamrun OL 02	3560		75
VC2	3610		73
NC7	3270		73
Tamspan 90 – Single	2810		73
OLin – Single	2910		73
Tamspan 90 – Twin	2700		70
OLin - Twin	2640		71
LSD (10%)	490		1
C.V.	12		2
Mean	3260		73

Planted (4/29/03), dug (Spanish 9/23, 147; Virginia 10/1, 155; Runners 10/8, 162), harvested (Spanish 10/1, Virginia 10/15, Runners 10/15).

Table 4. The effects of calcium applications and variety on Virginia peanut yield and grade at Western Peanut Growers Farm in 2003.			
Variety	Yield		Grade
	----- (lb/A) -----		----- (%) -----
Untreated	2980		72
Gypsum	3180		72
N-Cal -Spray	2070		73
LSD (10%)	NS		NS
NC7	3310		72
VC2	2950		73
Jupiter	2970		73
LSD (10%)	250		NS
C.V.	11		2

Planted (4/29/03), dug (10/1/03, 155 days), harvested (10/15/03).

