



# Current Report

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## PERFORMANCE OF PEANUT VARIETIES, OKLAHOMA - 1978

Charles Dunn, Jim Kirby, John Netherton, and Jim Arnold

1978 was a poor year for peanut production in Oklahoma. Not only limited rainfall, but also hot, windy days resulted in very low yields for most of the producers within the state. However, where supplemental water supplies were not limited and the peanuts were not allowed to stress, yields were considerably above average.

The following tables show the results of several variety tests conducted throughout the state in 1978.

### IRRIGATED PEANUT VARIETY TEST Marlow, Oklahoma

Variety	Percentage					Yield	
	SMK	SS	OK	Dam.	TK	lbs/A	\$/A
Tamnut-74	69.0	1.5	2.0	0	72.5	3801	801.56
Comet	69.0	3.5	1.5	0	74.0	4241	918.04
Chico	61.0	3.5	5.5	0	70.0	1016	198.72
EM-9	64.0	2.5	3.0	0	69.5	4546	906.59
EM-12	69.0	1.5	1.5	0	72.0	5287	1113.13
EM-3	68.5	1.5	1.5	0	71.5	4655	973.14
EC-5	70.5	3.0	1.0	0	74.5	4732	1036.77
EC-7	67.0	3.0	2.0	0	72.0	4753	995.34
EC-10	71.5	2.0	2.0	0	75.5	3715	816.67
0-14	66.5	1.0	2.0	0	69.5	4689	947.09
0-11	68.5	0.5	2.0	0	71.0	4548	938.90
0-19	69.0	1.5	2.0	0	72.5	4732	997.90
0-20	68.5	2.0	1.5	0	72.0	4570	962.07
0-21	66.5	3.0	1.5	0	71.0	4356	904.17
0-22	72.5	0	2.5	0	75.0	4634	1006.34
LS5R#1	57.5	7.0	2.5	0	67.0	5821	1118.83
LS5S#1	53.5	3.5	3.0	0	60.0	4988	855.33
LS5S#1(S)	57.0	3.5	2.0	0	62.5	5287	957.87
Florunner	71.0	4.0	2.5	0	77.5	4540	1014.55
Toalson	66.5	2.5	2.0	0	71.0	3972	819.88
GK-53	64.0	5.5	1.0	0	70.5	4698	970.39
GK-1A	61.5	2.0	2.0	0	65.5	5394	1020.16
GK-19R	71.5	1.5	3.0	0	76.0	4121	898.09
Early Bunch	64.5	7.5	2.0	0	74.0	3459	736.35

IRRIGATED VARIETY TESTS

Willis, Oklahoma

Calvin, Oklahoma

Variety	Percentage					Yield		Percentage					Yield	
	SMK	SS	OK	Dam.	TK	lbs/A	\$/A	SMK	SS	OK	Dam.	TK	lbs/A	\$/A
Tamnut-74	66.0	3.0	2.5	0	71.5	1260	260.51	67.0	4.0	3.0	0	74.0	1601	341.24
Comet	69.5	3.0	1.5	0	74.0	1537	332.82	68.0	5.5	3.0	0	76.5	1999	439.41
Chico	69.0	5.5	4.0	0	78.5	705	157.51	65.0	7.0	6.5	0	78.5	790	171.68
EM-9	69.0	3.5	2.5	0	75.0	1226	266.19	70.0	3.5	3.0	0	76.5	2370	522.64
EM-12	72.5	1.5	2.0	0	76.0	1674	370.46	74.5	1.0	2.0	0	77.5	2306	520.60
EM-3	69.5	3.0	2.0	0	74.5	1708	370.40	71.0	2.0	2.5	0	75.5	1986	434.24
EC-5	67.0	4.0	1.0	0	72.0	1794	379.67	68.5	4.0	2.5	0	75.0	2434	528.68
EC-7	69.0	2.5	2.0	0	73.5	1644	351.63	70.0	3.5	2.5	0	76.0	1892	416.51
EC-10	70.0	3.0	2.0	0	75.0	1546	337.51	71.5	3.0	3.5	0	78.0	1900	425.36
0-14	66.0	4.0	2.0	0	72.0	1473	308.53	68.0	6.0	3.5	0	77.5	1879	416.29
0-11	69.5	3.5	2.0	0	75.0	1644	358.96	70.0	4.0	2.5	0	76.5	1858	411.74
0-19	69.0	1.5	2.5	0	73.0	1666	351.83	70.5	1.5	2.5	0	74.5	1785	385.04
0-20	70.5	2.0	2.0	0	74.5	1666	361.14	67.5	6.5	1.5	0	75.5	2477	544.78
0-21	69.0	3.5	1.5	0	74.0	1601	346.69	70.5	2.5	2.5	0	75.5	2071	452.92
0-22	68.0	2.5	1.5	0	72.0	1132	238.27	70.0	4.0	1.5	0	75.5	1999	441.58
LS5R#1	50.5	9.0	3.0	0	62.5	1759	311.26	59.0	7.5	2.5	0	69.0	2696	532.59
LS5S#1	47.0	2.5	7.5	0	57.0	1922	292.76	57.0	8.5	2.0	0	67.5	2639	512.63
LS5S#1(S)	46.5	5.0	7.5	0	59.0	1936	304.57	63.5	4.0	2.5	0	70.0	2135	432.03
Florunner	69.0	1.0	3.5	0	73.5	1751	366.66	71.5	3.0	3.0	0	77.5	2199	489.05
Toalson	59.5	4.0	3.0	0	66.5	833	158.88	61.5	7.0	4.0	0	72.5	1174	240.93
GK-53	68.5	5.5	1.0	0	75.0	2037	448.04	68.0	4.5	3.0	0	75.5	2135	463.96
GK-1A	65.5	1.0	4.5	0	71.0	2016	402.65	66.0	4.5	3.5	0	74.0	2191	461.46
GK-19R	67.5	1.5	4.0	0	73.0	1388	287.02	70.5	5.5	2.0	0	78.0	2020	455.39
Early Bunch	56.5	5.0	5.0	0	66.5	1695	313.36	-----						

DRYLAND VARIETY TESTS

Willis, Oklahoma

Caney, Oklahoma

Variety	Percentage					Yield		Percentage					Yield	
	SMK	SS	OK	Dam.	TK	lbs/A	\$/A	SMK	SS	OK	Dam.	TK	lbs/A	\$/A
Tamnut-74	63.5	2.5	5.0	0	71.0	675	134.69	62.0	4.5	5.0	0	71.5	709	142.39
Comet	65.5	0.5	4.0	0	70.0	504	100.24	58.0	6.5	6.0	0	70.5	641	124.83
Chico	61.0	3.0	12.0	0	76.0	342	67.84	48.5	11.0	16.5	0	76.0	624	115.69
EM-9	66.5	0.0	5.0	0	71.5	675	135.70	60.0	6.5	5.0	0	71.5	641	128.18
EM-12	65.5	0.5	5.5	0	71.5	760	152.01	62.0	4.0	5.0	0	71.0	675	134.69
EM-3	64.0	0.5	6.0	0	70.5	833	163.11	60.5	4.0	5.0	0	69.5	726	141.69
EC-5	64.0	1.0	6.0	0	71.0	662	130.63	63.5	5.5	3.0	0	72.0	777	160.49
EC-7	68.5	1.5	3.0	0	73.0	747	157.02	67.0	5.0	2.0	0	74.0	820	176.17
EC-10	68.0	1.0	3.5	0	72.5	641	132.91	62.0	6.0	4.0	0	72.0	905	184.75
0-14	61.5	2.0	4.0	0	67.5	534	102.22	61.0	5.0	4.0	0	70.0	820	162.69
0-11	65.5	1.5	5.0	0	72.0	739	149.68	61.5	6.5	4.5	0	72.5	658	134.30
0-19	65.5	0.5	3.5	0	69.5	739	146.71	58.0	6.0	5.0	0	69.0	658	126.85
0-20	66.0	2.5	4.0	0	72.5	824	170.08	61.5	5.0	4.5	0	71.0	675	135.12
0-21	66.0	2.0	4.0	0	72.0	782	160.10	66.5	3.0	3.5	0	73.0	999	208.83
0-22	64.0	2.0	5.0	0	71.0	491	98.04	62.5	3.5	5.5	0	71.5	888	177.63
LS5R#1	49.0	6.0	6.0	0	61.0	611	101.88	49.5	11.0	4.0	0	64.5	1033	188.69
LS5R#1	37.0	1.0	12.0	0	50.0	547	66.32	48.5	7.5	6.0	0	62.0	871	147.41
LS5S#1(S)	42.5	2.5	9.0	0	54.0	568	79.53	57.5	6.0	4.0	0	67.5	1273	242.68

IRRIGATED VARIETY TESTS

Oney, Oklahoma

Caney, Oklahoma

Variety	Percentage					Yield		Percentage					Yield	
	SMK	SS	OK	Dam.	TK	lbs/A	\$/A	SMK	SS	OK	Dam.	TK	lbs/A	\$/A
Tamnut-74	67.0	7.0	1.5	0	75.5	2947	647.51	65.5	4.5	4.0	0	74.0	1418	298.53
Comet	69.0	6.0	1.0	0	76.0	3344	744.89	59.0	11.5	4.0	0	74.5	1119	234.17
Chico	69.0	8.0	3.5	0	80.5	1623	372.69	63.0	8.5	7.0	0	78.5	897	193.32
EM-9	71.0	4.0	1.5	0	76.5	3715	831.93	64.0	7.0	4.0	0	75.0	1469	312.29
EM-12	73.5	3.5	1.0	0	78.0	3395	779.20	68.5	2.5	3.5	0	74.5	1170	249.74
EM-3	73.0	2.5	1.0	0	76.5	3438	773.68	68.0	3.5	2.5	0	74.0	1683	360.44
EC-5	72.0	4.0	1.0	0	77.0	3993	904.55	64.5	5.0	5.0	0	74.5	1657	347.18
EC-7	71.0	4.0	1.5	0	76.5	3609	808.02	68.0	4.0	3.0	0	75.0	1443	311.86
EC-10	73.0	4.0	1.0	0	78.0	3587	833.30	68.0	4.0	3.5	0	75.5	1606	347.48
O-14	67.0	5.5	2.0	0	74.5	3459	747.82	65.5	6.0	2.5	0	74.0	1572	335.39
O-11	71.5	3.5	2.0	0	77.0	3416	766.19	67.0	5.0	3.5	0	75.5	1435	309.80
O-19	71.5	2.5	1.0	0	75.0	3301	728.21	64.5	4.5	4.0	0	73.0	1298	269.50
O-20	67.0	7.0	1.5	0	75.5	3587	788.28	60.5	7.5	7.0	0	75.0	1469	301.99
O-21	71.0	5.0	1.0	0	77.0	3429	775.13	67.0	4.5	4.0	0	75.5	1452	312.20
O-22	70.5	4.0	2.5	0	77.0	3267	728.96	68.5	3.5	3.5	0	75.5	1503	325.30
LS5R#1	66.5	5.0	1.5	0	73.0	3643	775.97	56.0	11.5	2.0	0	69.5	1862	370.49
LS5S#1	59.5	3.0	2.0	0	64.5	3929	735.19	55.5	10.0	2.5	0	68.0	1734	336.34
LS5S#1(S)	58.5	7.0	1.5	0	67.0	3899	758.30	56.0	10.5	2.5	0	69.0	2024	398.00
Florunner	75.5	0.5	2.5	0	78.5	3878	878.15	67.5	3.0	3.5	0	74.0	948	199.93
Toalson	66.5	4.5	1.0	0	72.0	2755	582.38	60.0	3.5	3.5	0	67.0	1076	205.70
GK-53	61.0	12.5	1.5	0	75.0	3515	759.37	62.0	6.0	4.0	0	72.0	1597	325.93
GK-1A	68.5	1.0	1.5	0	71.0	3920	809.58	67.0	3.0	2.5	0	72.5	1008	210.35
GK-19R	70.5	2.5	1.5	0	74.5	2883	625.25	62.0	4.0	4.5	0	70.5	897	177.82
Early Bunch	71.0	4.0	1.0	0	76.0	3686	819.90	64.0	6.0	2.0	0	72.0	1930	400.64

SPANISH VARIETY TEST\*

Ft. Cobb, Oklahoma

Variety	Percentage				Yield	
	ISMK	SS	OK	Dam.	lbs/A	\$/A
Starr	68.5	4.0	6.0	0	1238	257.29
Spanhoma	63.5	3.0	8.5	0	1196	232.74
Comet	66.5	3.0	7.5	0	1708	346.52
Florunner	57.5	1.0	11.5	0	1751	311.75
Tamnut-74	65.0	3.0	7.0	0	1281	253.73
EM-3	65.5	2.0	5.5	0	1708	339.06
EM-9	63.0	1.0	7.5	0	1751	336.98
EM-12	69.0	2.0	5.0	0	1623	338.41
EC-5	64.5	2.5	6.0	0	1964	384.76

\*Irrigated

VIRGINIA - RUNNER VARIETY TEST

Ft. Cobb, Oklahoma

Variety	Percentage				Yield	
	TSMK	SS	OK	Dam.	lbs/A	\$/A
Florunner	73.7	2.0	4.7	0	2776	613.98
Florigiant	59.7	1.7	6.0	0	2392	432.16
Early Bunch	67.0	3.3	5.0	0	1964	396.01
Tifrun	60.7	2.7	9.3	0	2093	389.16
Tamnut-74	70.7	6.0	4.3	0	2178	462.38
EM-12	71.3	4.0	4.7	0	2093	450.24

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