

TEXAS PEANUT VARIETY TRIALS | 2019



TEXAS PEANUT VARIETY TRIAL | 2019

CONTRIBUTING AUTHORS

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ACKNOWLEDGEMENTS

Appreciation is expressed to the cooperators who provided their land, equipment, and time in assisting for preparation, planting, field management, and harvesting of these plots throughout the year. All cooperators are listed in Table 3. We would like to extend our appreciation to **National Peanut Producers Board** through the **Texas Peanut Producers Board** for their funding of these trials. We appreciate peanut industry for providing support for the trials.

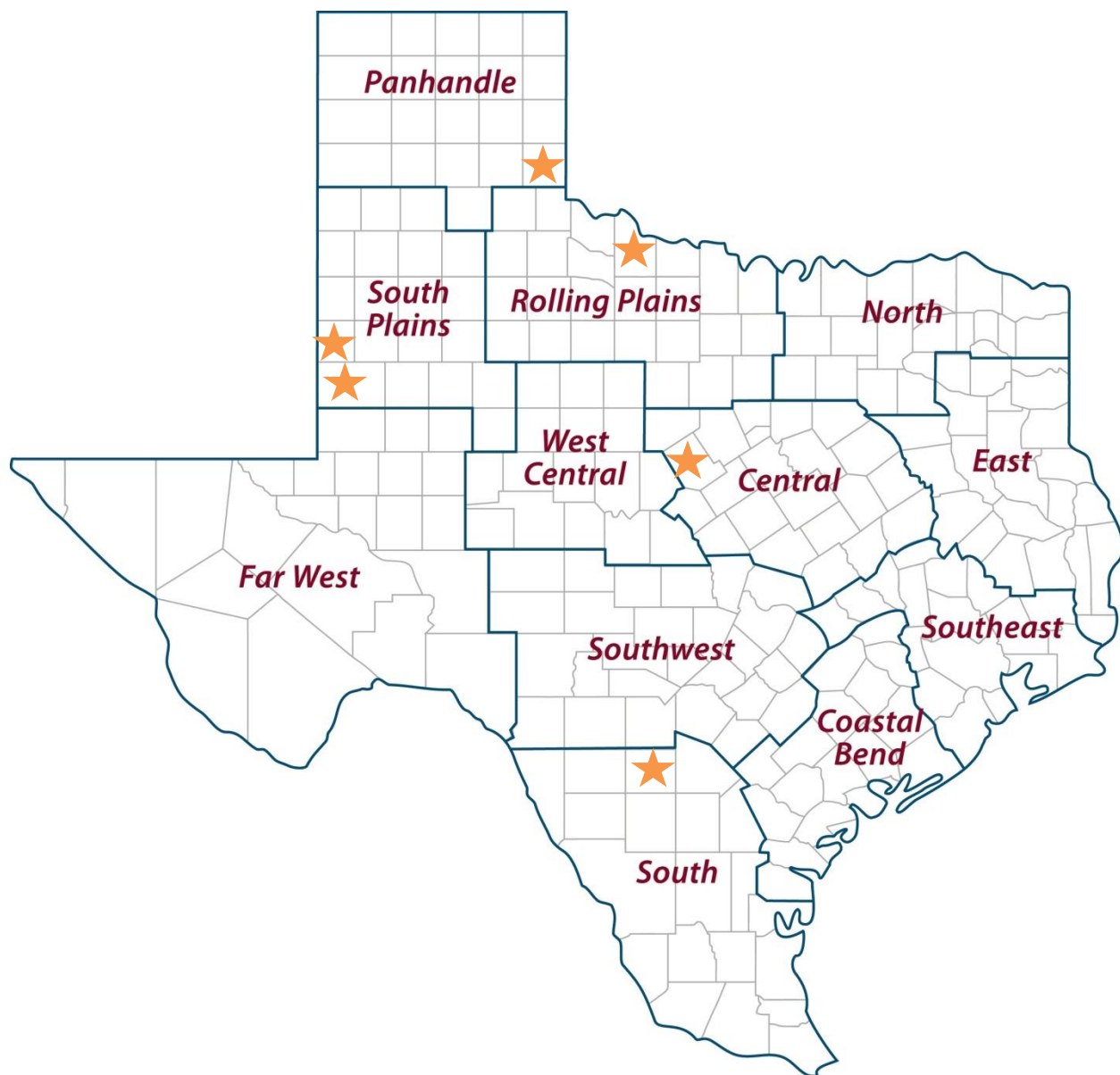
2019 HIGHLIGHT

Variety selection is the most important decision made during the year. Unlike herbicide or fungicide decisions that can be changed during the season to address specific conditions and pests, variety selection is made only once, and variety selection dictates the management of a field for the entire season. Variety decision should be based on specific pest resistant characteristics to minimize the pest pressure during the season. Maturity is also important variety characteristic for maximizing yield potential based on the environment. 2019 planted acres were 160,000 acres as compared to 155,000 acres in 2018. Texas contributed 9 % of total US peanut production in 2019. According to the USDA National Agricultural Statistics Service, 2019 average yield was 3100 lb/ac in TX. Planting was delayed in 2019 due to the prolonged wet field conditions in May. Soil temperature stayed lower than average, which weakened seedling vigor early in the season. In-season soil moisture was low. Due to the dry condition, in-season disease pressure was below average although there were a few incidences of early

and late leaf spot diseases. Early-freeze in the October made it challenging to make a decision on optimal digging and harvesting timings.

Table 1. Planted varieties and acres in Texas for 2019

Runner	Acres	Virginia	Acres	Spanish	Acres	Valencia	Acres
Georgia 09B	57545	Wynne	15030	ACI Span17	16504	Valencia 101	7076
Lariat	3741	ACI 442	6542	AT 9899	10765	Valencia 308	5654
GA-16HO	1225	ACI351	5655	OLe'	3751	Valencia C	5217
ACI080	688	GA11J	3416	ACI 236	1876	Valencia 309	2025
Georgia-13M	539	Gregory	1498	OLin	1332	Valencia A	1055
Tamrun OL11	503	Jupiter	1387	Schubert	1017	ACI 433	469
ACI789	406	Sullivan	1065			Valencia 310	353
GA-14N	223	Florida Fancy	281			Valencia 102	304
AG18	54	Bailey II	89			TamVal OL 14	143
		Emery	61				
Total	64,924		35,035		35,035		22,296



TEXAS PEANUT VARIETY TRIAL LOCATIONS

Table 1. Average yield of released varieties for four peanut types in all trial locations

	Collingsworth	Wilbarger	Comanche	Frio	Terry	Gaines	State-wide
	Runner						
Lariat	6051	3492	8478	4860	.	.	5720
TAMRUNOL11	5325	3093	8377	.	.	.	5598
GA09B	5558	3550	7385	.	4000	7151	5529
IPG 4944	6040	2788	.	5576	3238	7093	4947
IPG QR-14	4062	3122	7417	6081	2577	6331	4932
IPG 914	4788	2425	.	5598	2868	6970	4530
ACI 789	4372	2461	.	.	3536	6628	4249
Means	5171	2990	7914	5529	3244	6835	5072
	Spanish						
Span17	5057	2588	7990	.	3260	5968	4972
Olè	2846	2058	6461	.	3427	5067	3972
ACI 236	2490	3296	.	4442	2098	4596	3384
Schubert	2225	1717	5215	.	.	.	3052
TAMRUNOL06	3053	2479	.	.	.	.	2766
Means	3134	2428	6556	4442	2928	5210	3629
	Virginia						
Wynne	.	.	7550	6284	4095	6382	6078
Gregory	.	.	6482	6274	4066	5416	5559
Emery	.	.	5792	5802	3492	6186	5318
Contender	4360	2810	7530	5985	.	.	5171
ACI – 351	.	.	.	.	3804	6077	4940
ACI 442	5111	2552	.	6188	3340	6425	4723
GA11J	.	.	.	.	3013	6345	4679
IPG 464	4498	3066	.	.	3042	5881	4121
Sullivans	3263	1884	.	.	3550	6374	3768
GA11J	4029	3350	.	.	.	.	3690
Jupiter	3786	2893	.	.	2134	5634	3612
Means	4175	2759	6839	6107	3393	6080	4696
	Valencia						
IPG 1288	3645	2532	.	.	2991	6411	3895
GT-101	.	.	.	.	3412	3434	3423
IPG 274	3648	1935	.	.	2454	5401	3360
TAMVAL OL14	.	.	.	.	1641	3078	2360
Means	3646	2233	.	.	2624	4581	3259

*Highlighted values are significantly same as the highest value at $P < 0.1$

Rolling Plains Collingsworth County

Cooperator: Rex Henard

Planted on 5/14/2019

Dug on 10/7/2019 (146 DAP)

Harvested on 10/14/2019

Disease: Minor leaf spot and very little pod rot



Collingsworth								
RUNNER	Release	Yield	ELK	Medium	#1	DK	OK	TSMK
Lariat	Oklahoma	6051	34.3	32.2	3.9	0.16	2.6	74
IPG 4944	IPG	6040	7.0	49.3	9.7	0.13	5.0	70
TRu82*	TAMU	5565	28.0	37.2	4.8	0.05	3.2	72
GA09B	GA	5558	45.2	21.7	2.5	0.13	2.0	74
TAMRUNOL11	TAMU	5325	29.8	37.4	4.7	0.14	2.4	74
ACIx - 509*	ACI/Ag Research Consultants	4879	22.8	42.4	4.4	0.30	3.2	73
08-1-0016*	IPG	4875	26.5	36.1	4.8	0.11	3.2	70
IPG 914	IPG	4788	27.3	34.0	5.9	0.07	3.2	72
TRu42*	TAMU	4672	34.9	25.4	3.8	0.23	2.9	69
ACIx - 080*	ACI/Ag Research Consultants	4588	24.0	40.8	3.5	0.19	2.4	74
13-1-0256*	IPG	4495	28.4	36.0	4.5	0.08	3.2	71
ACI 789	IPG	4372	34.4	27.3	3.0	0.15	2.6	70
ACI - 476*, **	ACI/Ag Research Consultants	4320	22.8	40.5	4.2	0.15	2.9	71
TARu-02*, **	TAMU	4265	34.7	24.9	3.8	0.12	3.1	69
IPG QR-14	IPG	4062	16.9	44.9	4.7	0.10	2.3	73
TARu-06*, **	TAMU	3252	26.8	27.5	5.0	0.17	5.6	64
Means		4819	28	35	5	0.14	3	71
CV		17	17	12	27	62	28	3
P0.1		0.0257	<.0001	<.0001	0.0008	0.2565	0.00230	<.0001

Highlighted values are significantly same as the highest value at $P < 0.1$

Rolling Plains Collingsworth County

Cooperator: Rex Henard

Planted on 5/14/2019

Dug on 10/7/2019 (146 DAP)

Harvested on 10/14/2019

Disease: Minor leaf spot and very little pod rot



Collingsworth Spanish	Release	Pod Yield	ELK	Medium	#1	DK	OK	TSMK
Span17	ACI/Ag Research Consultants	5057	9.5	55.0	1.5	0.53	2.2	72
15-3-3628*	IPG	4908	28	41	0.8	0.09	1.7	74
ACIx - 1453*	ACI/Ag Research Consultants	4069	12	51	1.4	0.10	3.2	70
ACIx - 1426*	ACI/Ag Research Consultants	3456	14	43	1.6	0.14	3.7	70
TAMRUNOL06	TAMU	3052.8	22.5	35.7	5.1	0.11	3.4	66
Olè*, **	Oklahoma	2846	11	52	1.4	0.42	2.6	68
ACI 236	IPG	2490	14	48	1.3	0.16	1.6	74
ACIx - 0720*	ACI/Ag Research Consultants	2294	12	47	1.8	0.34	2.4	73
Schubert**	TAMU	2225	9	53	1.7	0.28	2.7	68
Means		3378	15	47	2	0	3	71
CV		30	29	8	27	101	29	3
P0.1		0.0151	0.0006	0.0003	<.0001	0.4034	0.1350	0.0004

Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental lines

**Poor establishment

Precipitation							
	Apr	May	Jun	Jul	Aug	Sep	Oct
2019	2.9	4.3	2.5	2.9	1.9	2.1	0.5
Long-term average	1.9	3	3.5	2.2	1.9	2.3	2.4

Rolling Plains Collingsworth County

Cooperator: Rex Henard

Planted on 5/14/2019

Dug on 10/7/2019 (146 DAP)

Harvested on 10/14/2019

Disease: Minor leaf spot and very little pod rot



Collingsworth									
Virginia	Release	Yield	ELK	Medium	#1	DK	OK	TSMK	
TAVi-15*	TAMU	5224	49	11	2	0.06	2	68	
ACI 442	IPG	5111	45	17	3	0.08	3	67	
TAVi-07*	TAMU	4538	49	8	2	0.08	2	70	
IPG 464	IPG	4498	48	11	2	0.10	2	66	
Contender	Oklahoma	4360	52	8	2	0.08	2	69	
GA11J	GA	4029	44	12	3	0.13	3	62	
Jupiter	Oklahoma	3786	43	12	2	0.10	3	66	
TAVi-18*, **	TAMU	3757	48	12	2	0.07	2	68	
TAVi-38*	TAMU	3608	49	10	2	0.02	2	70	
TAVi-05*	TAMU	3605	49	11	3	0.04	2	68	
Sullivans	NC	3263	46	11	3	0.02	4	68	
Means		4162	47	11	2	0.1	3	67	
CV		20	10	22	48	90	57	4	
P0.1		0.123	0.561	<.0001	0.8284	0.1718	0.7479	0.0367	

Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental lines

**Poor establishment

Rolling Plains Collingsworth County

Cooperator: Rex Henard

Planted on 5/14/2019

Dug on 10/7/2019 (146 DAP)

Harvested on 10/14/2019

Disease: Minor leaf spot and very little pod rot



Collingsworth									
Valencia	Release	Yield	ELK	Medium	#1	DK	OK	TSMK	
IPG 274	IPG	3648	40	26	5.0	0.2	2.8	73	
IPG 1288	IPG	3645	43	26	2.9	0.1	2.2	75	
Means		3646	41	26	4	0	3	74	
CV		26	5	10	26	58	26	3	
P0.1		0.9965	0.1934	0.8123	0.064	0.2302	0.5049	0.3784	

Highlighted values are significantly same as the highest value at $P<0.1$

*Experimental lines, **Poor establishment

Rolling Plains Wilbarger County
 Cooperator: AgriLife Extension
 Planted on 5/30/2019
 Dug on 10/16/2019 (139DAP)
 Harvested on 10/23/2019
 Disease: Low disease pressure
 Other issues: Freeze damage



Wilbarger RUNNER	Release	Yield	ELK	Medium	#1	DK	OK	TSMK**
GA09B	GA	3550	8	49	4	0.04	7	63
Lariat	Oklahoma	3492	3	43	5	0.08	16	51
TRu42*	TAMU	3271	4	44	5	0.02	11	55
TRu82*	TAMU	3260	2	41	6	0.03	15	49
ACIx - 080*	ACI/Ag Research Consultants	3154	3	52	3	0.07	9	60
IPG QR-14	IPG	3122	3	46	7	0.05	11	58
ACI - 476*	ACI/Ag Research Consultants	3107	3	51	3	0.12	8	59
TAMRUNOL11	TAMU	3093	2	41	8	0.11	13	52
08-1-0016*	IPG	3053	3	47	5	0.07	9	59
ACIx - 509*	ACI/Ag Research Consultants	2842	2	40	9	0.04	12	52
IPG 4944	IPG	2788	2	37	10	0.05	16	51
13-1-0256*	IPG	2719	3	45	9	0.06	10	59
ACI 789	IPG	2461	4	41	6	0.04	11	53
IPG 914	IPG	2425	8	31	7	0.17	11	56
Means		3024	4	43	6	0.07	11	56
CV		19	49	18	93	132	21	8
P0.1		0.4604	0.0015	0.1791	0.9272	0.2274	0.0007	0.0099

Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental lines

**Freeze event may have lowered the grade

Rolling Plains Wilbarger County
 Cooperator: AgriLife Extension
 Planted on 5/30/2019
 Dug on 10/16/2019 (139DAP)
 Harvested on 10/23/2019
 Disease: Low disease pressure
 Other issues: Freeze damage



Wilbarger Spanish	Release	Yield	ELK	Medium	#1	DK	OK	TSMK**
15-3-3628*	IPG	3314	2	51	3	0.08	10	59
ACI 236	IPG	3296	1	52	3	0.10	13	58
SPan17	ACI/Ag Research Consultants	2588	1	48	4	0.12	11	56
TAMRUNOLO6	TAMU	2479	3	39	6	0.23	14	51
Olè	Oklahoma	2058	2	39	5	0.22	13	47
ACIx - 1453*	ACI/Ag Research Consultants	1971	1	46	3	0.10	12	54
Schubert	TAMU	1717	1	42	6	0.24	11	53
ACIx - 0720*	ACI/Ag Research Consultants	1474	2	49	3	0.08	12	59
ACIx - 1426*	ACI/Ag Research Consultants	1441	1	52	4	0.05	9	62
Means		2260	1	46	4	0.14	12	55
CV		31	71	7	44	78	16	6
P0.1		0.0253	0.1850	0.0004	0.2288	0.3571	0.1448	0.0003

Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental lines

**Freeze event may have lowered the grade

	Precipitation						
	Apr	May	Jun	Jul	Aug	Sep	Oct
2019	4.3	6.5	5.5	0.6	0.5	5.1	0.7
Long-term average	2.2	3.4	4.3	2.1	2.4	3.1	2.8

Rolling Plains Wilbarger County
 Cooperator: AgriLife Extension
 Planted on 5/30/2019
 Dug on 10/16/2019 (139DAP)
 Harvested on 10/23/2019
 Disease: Low disease pressure
 Other issues: Freeze damage



Wilbarger Virginia	Release	Yield	ELK	Medium	#1	DK	OK	TSMK**
GA11J	GA	3350	19	27	7	0.17	6	55
IPG 464	IPG	3066	24	23	4	0.15	7	55
Jupiter	Oklahoma	2893	13	25	7	0.01	8	48
Contender	Oklahoma	2810	20	30	5	0.05	8	57
ACI 442	IPG	2552	14	25	5	0.10	13	46
Sullivans	NC	1884	15	25	7	0.22	9	53
Means		2759	17	26	6	0.12	9	52
CV		17	21	12	18	95	22	8
P0.1		0.0401	0.0236	0.175	0.0373	0.2312	0.0201	0.0365

Wilbarger Valencia	Release	Yield	ELK	Medium	#1	DK	OK	TSMK**
IPG 1288	IPG	2532	6	31	5	0.2	17	46
IPG 274	IPG	1935	7	31	5	0.2	17	46
Means		2233	7	31	5	0.2	17	46
CV		20	36	16	13	26	24	14
P0.1		0.22810	0.34220	0.90230	0.61200	0.49500	0.50310	0.58590

Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental lines

**Freeze event may have lowered the grade

Central TX Comanche County
 Cooperator: Mark Allison
 Planted on 5/17/2019
 Dug on 10/4/2019 (140 DAP)
 Harvested on 10/10/2019
 Disease: Low disease pressure



Comanche RUNNER	Release	Yield	ELK	Medium	#1	DK	OK	TSMK
Lariat	Oklahoma	8478	27	33	5	0.08	7	70
TAMRUNOL11	TAMU	8377	30	30	7	0.03	7	69
TRu82*	TAMU	7845	23	38	6	0.06	6	72
IPG QR-14	IPG	7417	13	44	8	0.11	6	70
GA09B	GA	7385	32	29	4	0.04	6	70
Means		7900	25	35	6	0.06	6	70
CV		9	17	8	25	113	22	3
P0.1		0.2263	0.0013	0.0003	0.1338	0.7368	0.5624	0.5223

Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental lines

**Poor establishment

Precipitaiton							
	Apr	May	Jun	Jul	Aug	Sep	Oct
2019	4.6	8.4	4.4	0.9	1.9	0.01	2.9
Long-term average	1.9	2.4	4.9	4.9	1.9	2.4	3

Central TX Comanche County
 Cooperator: Mark Allison
 Planted on 5/17/2019
 Dug on 10/4/2019 (140 DAP)
 Harvested on 10/10/2019
 Disease: Low disease pressure



Comanche								
Spanish	Release	Yield	ELK	Medium	#1	DK	OK	TSMK
Span17**	ACI/Ag Research Consultants	7990	6	55	2	0.08	4.4	70
Olè	Oklahoma	6461	7	50	4	0.00	3.8	63
Schubert	TAMU	5215	1	52	6	0.26	4.5	60
Means		6556	5	53	4	0	4	64
CV		12	48	2	28	125	7	2
P0.1		0.0125	0.0249	0.0062	0.0138	0.7023	0.0461	0.0005

Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental lines

Comanche								
Virginia	Release	Yield	ELK	Medium	#1	DK	OK	TSMK
Wynne	NC	7550	38	16	5	0.24	4	64
Contender	Oklahoma	7530	47	14	4	0.15	4	68
Gregory	NC	6482	37	17	4	0.16	4	63
Emery	NC	5792	42	12	4	0.17	4	64
Means		6839	41	15	4	0.18	4	64
CV		16	7	13	22	79	17	3
P0.1		0.2199	0.007	0.0498	0.3161	0.9203	0.7462	0.0512

Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental lines

South Texas: Frio County
 Cooperator: Grayson Wilmeth
 Planted on 5/23/2019
 Dug on 10/3/2019 (DAP 133)
 Harvested on 10/10/2019
 GDD56 3711



STX RUNNER	Release	Yield	ELK	Medium	#1	DK	OK	TSMK
ACIx – 1c212*	ACI/Ag Research Consultants	7067	28	28	3	0.05	5	69
TRu82*	TAMU	6971	20	43	5	0.17	4	73
TX14485*	TAMU	6935	35	25	3	0.15	4	71
ACI – 3321*	ACI/Ag Research Consultants	6379	28	27	4	0.08	4	69
IPG QR-14	IPG	6081	15	42	5	0.07	4	71
TRu70*	TAMU	6007	21	36	5	0.23	4	71
IPG 914	IPG	5598	21	33	6	0.33	5	68
IPG 4944	IPG	5576	9	42	10	0.04	7	68
TRu42*	TAMU	5480	24	33	7	0.16	4	69
Lariat	Oklahoma	4860	21	35	5	0.08	5	70
TARu-06*	TAMU	3721	20	32	7	0.28	6	67
TARu-02*	TAMU	3148	26	28	6	0.60	4	68
Means		5652	22	33	5	0.19	5	69
CV		15	20	14	28	142	30	3
P0.1		<.0001	<.0001	0.0005	0.0009	0.4169	0.1195	0.1337

Highlighted values are significantly same as the highest value at $P < 0.1$

3.3

	Precipitation						
	Apr	May	Jun	Jul	Aug	Sep	Oct
2019	0.8	1.5	1.6	1.7	0.97	2.4	3.3
Long-term average	1.1	2.1	2	2.1	1.7	0.7	1.8

South Texas: Frio County
 Cooperator: Grayson Wilmeth
 Planted on 5/23/2019
 Dug on 10/3/2019 (DAP 133)
 Harvested on 10/10/2019



STX								
Spanish	Release	Yield	ELK	Medium	#1	DK	OK	TSMK
ACI 236	IPG	4442	15	39	7	0.12	5	70
Means		4442	15	39	7	0.12	5	70

STX								
Virginia	Release	Yield	ELK	Medium	#1	DK	OK	TSMK
J20	Hamptom/Servern Peanut Company	6626	45	13	3	0.11	2	70
Wynne	NC	6284	43	19	3	0.09	2	71
Gregory	NC	6274	52	12	2	0.07	1	71
TAVi-18*	TAMU	6208	43	17	3	0.41	2	69
ACI 442	IPG	6188	35	24	5	0.27	3	69
TAVi-05*	TAMU	6027	34	23	4	0.24	3	69
Contender	Oklahoma	5985	43	19	3	0.20	2	72
TAVi-38*	TAMU	5898	39	21	4	0.00	3	69
Emery	NC	5802	47	14	3	0.00	2	70
TAVi-07*	TAMU	5706	38	18	4	0.11	2	70
TAVi-15*	TAMU	5505	39	20	4	0.52	3	70
Means		6046	42	18	3	0.18	2	70
CV		13	12	22	45	202	34	3
P0.1		0.885	0.0081	0.0231	0.5073	0.7912	0.2334	0.5724

*Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental lines

West Texas: Terry County

Cooperator:

Planted on 5/9/2019

Dug on 10/15/2019

Harvested on 10/23/2019



Terry Co Virginia		Release	Yield	ELK	Medium	#1	DK	OK	TSMK
ACI – 433*	ACI/Ag Research Consultants		4095	22	26	6	9.33	3	58
Wynne	NC		4095	18	23	5	9.39	4	53
Gregory	NC		4066	22	22	5	11.72	3	55
ACI – 351	ACI/Ag Research Consultants		3804	25	21	5	9.44	4	57
ACI - 419*	ACI/Ag Research Consultants		3579	30	23	6	6.00	2	62
Sullivans	NC		3550	26	23	5	6.37	3	61
Emery	NC		3492	30	23	3	3.21	2	66
ACI - 1850*	ACI/Ag Research Consultants		3398	23	17	5	8.25	4	51
ACI 442	IPG		3340	32	22	4	4.97	3	63
J20	Hamptom/Servern Peanut Company		3289	26	19	4	8.11	3	57
IPG 464	IPG		3042	29	16	4	11.63	2	55
GA11J	GA		3013	28	25	6	3.77	4	61
Jupiter	Oklahoma		2134	25	17	4	11.34	3	55
Means			3454	26	21	5	7.96	3	58
CV			12	16	19	29	29	23	4
P0.1			0.0002	0.0178	0.0857	0.263	0.0005	0.0544	<.0001

Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental lines

West Texas: Terry County

Cooperator:

Planted on 5/9/2019

Dug on 10/15/2019

Harvested on 10/23/2019



Terry Co Valencia	Release	Yield	ELK	Medium	#1	DK	OK	TSMK
NMSU-X1*	NMSU	3463	4	34	25	1.38	4	64
GT-101	Hamptom/Servern Peanut Company	3412	4	31	26	1.16	6	62
NMSU-X2*	NMSU	3209	5	33	23	1.06	4	63
IPG 1288	IPG	2991	24	28	11	2.48	3	70
NMSU-X3*	NMSU	2759	6	39	20	0.84	3	66
IPG 274	IPG	2454	23	29	11	3.80	2	70
NMSU-X4*	NMSU	2207	6	32	23	3.41	3	64
NMSU-X5*	NMSU	2127	6	30	26	3.93	4	64
NMSU-X6*	NMSU	1946	3	33	25	0.85	5	63
TAVa-48*	TAMU	1938	14	35	13	0.98	3	64
TAMVAL OL14	TAMU	1641	12	35	14	2.05	3	63
Means		2559	10	33	20	2.00	4	65
CV		21	43	10	17	55	29	4
P0.1		0.0017	<.0001	0.029	<.0001	0.0055	0.0089	0.0053

Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental lines

West Texas: Gaines County

Cooperator: Chuck Rowland
Planted on 4/30/2019
Dug on 10/7/2019 (160 DAP)
Harvested on 10/14/2019

Gaines Co RUNNER	Release	Yield	ELK	Medium	#1	DK	OK	TSMK
GA09B	GA	7151	28	18	3	1.23	5	73
IPG 4944	IPG	7093	9	49	8	0.65	5	74
ACI - 476*	ACI/Ag Research Consultants	7079	24	29	3	0.90	5	72
TRu42*	TAMU	6999	27	19	2	1.36	3	73
IPG 914	IPG	6970	27	17	2	1.32	4	73
TX14485*	TAMU	6875	27	18	2	1.25	3	75
TRu82*	TAMU	6861	26	35	3	0.41	4	75
ACIx - 509*	ACI/Ag Research Consultants	6672	21	34	4	0.84	5	74
ACI 789	IPG	6628	27	19	1	0.41	4	74
TRu70*	TAMU	6585	30	21	2	0.63	4	74
ACIx - 080*	ACI/Ag Research Consultants	6549	21	35	3	1.11	4	74
IPG QR-14	IPG	6331	15	39	4	1.52	5	73
TARu-02*	TAMU	5975	35	28	2	0.88	2	74
TARu-06*	TAMU	5815	32	34	3	1.28	2	74
08-1-0016*	IPG	5757	28	28	3	0.99	3	74
13-1-0256*	IPG	5692	25	33	4	1.29	4	72
Means		6564	25	28	3	1	4	74
CV		10	13	17	29	78	21	2
P0.1		0.0772	<.0001	<.0001	<.0001	0.8624	0.0005	0.7113

Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental lines

West Texas: Gaines County

Cooperator: Chuck Rowland

Planted on 4/30/2019

Dug on 10/7/2019

Harvested on 10/14/2019



Gaines Co								
Spanish	Release	Yield	ELK	Medium	#1	DK	OK	TSMK
15-3-3628*	IPG	6461	19	34	5	0.39	4	75
ACIx - 1453*	ACI/Ag Research Consultants	6055	7	38	10	0.52	5	71
SPan17	TAMU	5968	9	35	5	0.92	4	73
ACIx - 1426*	ACI/Ag Research Consultants	5852	9	36	8	0.24	5	72
Olè	Oklahoma	5067	10	41	6	0.59	3	71
ACIx - 0720*	ACI/Ag Research Consultants	4821	6	33	8	1.11	5	74
ACI 236	IPG	4596	5	36	9	1.52	7	72
Means		5546	9	36	7	1	5	72
CV		7	50	8	25	72	17	2
P0.1		0.0002	0.0500	0.1626	<.0001	0.1363	0.0018	0.0257

Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental lines

Precipitation							
	Apr	May	Jun	Jul	Aug	Sep	Oct
2019	3	0.9	2.2	2.3	0	2.7	0.04
Long-term average	1.7	3.6	3.3	1.4	2.4	2.6	3.3

West Texas: Gaines County
Cooperator: Chuck Rowland
Planted on 4/30/2019
Dug on 10/7/2019
Harvested on 10/14/2019

Gaines Co								
Virginia	Release	Yield	ELK	Medium	#1	DK	OK	TSMK
ACI - 419*	ACI/Ag Research Consultants	7238	53	12	3	1.13	2	72
TAVi-07*	TAMU	7028	56	7	1	0.39	2	74
TAVi-38*	TAMU	6919	54	10	2	1.05	2	74
TAVi-18*	TAMU	6846	57	9	1	1.33	1	74
J20	Hamptom/Servern Peanut Company	6817	52	9	2	1.58	2	70
TAVi-05*	TAMU	6556	38	25	2	1.60	1	73
ACI 442	IPG	6425	49	13	3	1.59	2	71
Wynne	NC	6382	51	8	1	2.02	2	71
Sullivans	NC	6374	47	13	3	1.13	2	72
GA11J	GA	6345	55	10	2	2.12	2	69
TAVi-15*	TAMU	6193	50	9	2	3.63	3	70
Emery	NC	6186	56	7	1	1.00	2	74
ACI – 351	ACI/Ag Research Consultants	6077	54	11	2	1.48	2	73
ACI - 1850*	ACI/Ag Research Consultants	5888	51	8	2	2.02	2	69
IPG 464	IPG	5881	54	6	1	3.74	2	69
ACI – 433*	ACI/Ag Research Consultants	5772	54	10	1	1.35	1	73
Jupiter	Oklahoma	5634	56	9	1	0.79	2	73
Gregory	NC	5416	44	13	2	4.46	2	66
Means		6332	52	10	2	2	2	71
CV		11	12	58	38	95	34	3
P0.1		0.0882	0.0873	0.1957	0.024	0.3055	0.7108	0.0042

Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental
 lines

West Texas: Gaines County
 Cooperator: Chuck Rowland
 Planted on 4/30/2019
 Dug on 10/7/2019
 Harvested on 10/14/2019



Gaines Co								
Valencia	Release	Yield	ELK	Medium	#1	DK	OK	TSMK
IPG 1288	IPG	6411	45	16	3	2.94	3	74
IPG 274	IPG	5401	48	13	3	2.93	3	75
NMSU-X6*	NMSU	5104	13	44	12	2.85	2	70
NMSU-X5*	NMSU	3550	14	42	10	2.08	2	72
NMSU-X2*	NMSU	3521	6	48	16	1.78	2	71
NMSU-X1*	NMSU	3456	7	45	15	1.27	2	69
GT-101	Hamptom/Servern Peanut Company	3434	11	44	13	2.14	2	70
NMSU-X4*		3419	10	43	14	1.84	3	69
TAMVAL OL14	TAMU	3078	21	38	6	1.81	2	69
TAVa-48*	TAMU	1641	19	38	8	1.48	2	68
Means		3902	20	37	10	2	2	71
CV		15	23	11	19	51	33	3
P0.1		<.0001	<.0001	<.0001	<.0001	0.4927	0.747	0.0073

Highlighted values are significantly same as the highest value at $P < 0.1$

*Experimental
 lines

TEXAS A&M AGRI LIFE EXTENSION

<http://varietytesting.tamu.edu/peanuts/>



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