

**Table 1. Yield comparison of several market type peanut cultivars and lines when grown in well irrigated and drought stressed plots under rain exclusion shelters at Tidewater AREC in 2015 and 2016.**

Genotype	Market type	Well-watered yield		Drought yield		Difference in yield	
		kg ha <sup>-1</sup>	Rank	kg ha <sup>-1</sup>	Rank	kg ha <sup>-1</sup>	Rank
08X09-3-14-1	Virginia	8782	1	4440	11	-4342	23
<i>C76-16 (drought tolerant [DT] check)</i>	Virginia	8099	2	5562	1	-2537	17
FloRun™ '107'	Runner	7416	3	4561	9	-2855	19
<i>GP-VT NC 01 (DT in PVQE trials, released)</i>	Virginia	7123	4	4684	7	-2439	16
TUFRunner™ '297'	Runner	6830	5	5562	1	-1268	6
GP-NC WS 16	Exotic	6830	5	4269	13	-2561	18
TUFRunner™ '511'	Runner	6732	7	4464	10	-2268	15
Florida-07	Runner	6684	8	3708	16	-2976	20
<u>Emery</u>	Virginia	6684	8	3610	17	-3074	21
<i>GP-NC WS 17 (DT in PVQE trials, released)</i>	Exotic	6587	10	5074	5	-1513	10
Georgia-09B	Runner	6537	11	4610	8	-1927	13
Sugg	Virginia	6439	12	5415	3	-1024	4
Florunner	Runner	6294	13	5342	4	-952	3
N08082oIJCT	Virginia	5708	14	3879	14	-1829	12
Tifrunner	Runner	5464	15	4976	6	-488	1
<u>Sullivan</u>	Virginia	5464	15	4293	12	-1171	5
<u>Wynne</u>	Virginia	5366	17	3830	15	-1536	11
Olin	Spanish	4976	18	3464	18	-1512	9
Bailey	Virginia	4830	19	3415	19	-1415	8
N04074FCT	Virginia	4733	20	1658	22	-3075	22
NC 3033	Virginia	4245	21	2171	21	-2074	14
N.M. Valencia A	Valencia	3854	22	3049	20	-805	2
PI 576638 (SSD 6 <i>hirsuta</i> -type)	Exotic	2439	23	1161	23	-1278	7
<b>Mean</b>		<b>6005</b>		<b>4052</b>		<b>-1953</b>	
Well-watered yield ( <i>correlation coefficients of traits</i> )	kg ha <sup>-1</sup>	1.000	-0.951	0.763	-0.700	-0.557	0.488
	Rank	-0.951	1.000	-0.701	0.671	0.562	-0.508
Drought yield	kg ha <sup>-1</sup>	0.763	-0.701	1.000	-0.946	0.111	-0.168
	Rank	-0.700	0.671	-0.946	1.000	-0.139	0.186
Mean yield	kg ha <sup>-1</sup>	0.949	-0.890	0.927	-0.865	-0.268	0.200
	Rank	-0.898	0.894	-0.875	0.895	0.256	-0.167
Difference in yield	kg ha <sup>-1</sup>	-0.557	0.562	0.111	-0.139	1.000	-0.966
	Rank	0.488	-0.508	-0.168	0.186	-0.966	1.000

