

UT, NCSU and UGA 2008 Pumpkin Trial

Table 1. Pumpkin cultivar trial in Waynesville, NC 2008. Total yield (tons/Acre) and number of harvested fruit per acre, including the average fruit size.

Replicated plots: Results are the average of 4 replicate plots (each plot is a 24-ft row with 6 plants/row) per variety. Plot yields have been scaled up to obtain yields per acre

Size	Cultivar	Seed Company	Total Wt./Total No. /		Avg lb./fruit
			Acre	Acre	
Giant	Prizewinner	Seminis	47	1361	69.2
	Wyatt's Wonder	Rupp	24	983	48.1
X- Large	New Moon	Hollar	35	1550	44.7
	Full Moon	Rupp	23	1097	44.1
Large	Harvest Time	Abbott & Cobb	35	2080	33.6
	Super Herc	Harris Moran	24	1475	32.2
	Aladdin	Harris Moran	30	1928	31.7
	Dependable	Abbott & Cobb	35	2155	31.6
	Gold Medal	Rupp	25	2004	25.4
	Howden	Hollar	37	2949	25.2
	Pro Gold 510	Abbott & Cobb	33	2647	25.0
	Medium	Gladiator	Harris Moran	21	1928
20 Karat Gold		Rupp	19	1777	20.9
Warlock		Harris Moran	26	2533	20.8
Magic Wand		Harris Moran	30	2949	20.1
Gold Challenger		Rupp	28	2723	19.9
Magic Lantern		Harris Moran	33	3403	19.4
Magician		Harris Moran	32	3630	17.2
EXT 5718		Seminis	16	1966	16.9
Hobbit		Twilley	27	3592	15.4
Small	Valenciano	Rupp	10	1928	10.8
	Lumina	Hollar	10	2231	8.7
Mini	Gooligan	Twilley	4	4197	1.8
	Mini-Treat	Twilley	3	4764	1.1
	Bumpkin	Seeds By Design	8	18528	0.9

Observational plots: Results have been scaled up from one 24-ft row (6 plants/row) to obtain yields per acre.

Size	Cultivar	Seed Company	Total Wt./Total No. /		Avg lb./fruit
			Acre	Acre	
Large	EXT 7440	Seminis	27	1815	29.3
	Spartan	Seedway	28	2269	25.1
Medium	Camaro	Hollar	18	1966	18.3
	Jarrahdale	Johnny's	20	2420	16.7
	Rouge Vif D'Etampes	Johnny's	44	5899	15.1
Small	Jamboree	Twilley	36	5748	12.7
	Long Island Cheese	Johnny's	23	4386	10.3
	Kakai	Johnny's	17	4386	8.0
	Field Trip	Harris Moran	19	6655	5.6
	Cannon Ball	Harris Moran	10	4235	4.9
	Iron Man	Harris Moran	9	3933	4.7
	Gargoyle	Harris Moran	14	5899	4.6
	Sunshine	Johnny's	7	4235	3.5
	Mini	Lil' Pump-ke-mon	Harris Moran	7	12100
Baby Boo		---	3	15730	0.4

Table 2. Pumpkin cultivar trial. Fruit quality and measurements. Waynesville, N.C., 2008.

Cultivar	PM Rating ¹	Color ²	Fruit Shape ³	Fruit Suturing ⁴	Fruit Texture ⁵	Handle ⁶			Vine Type ⁷	Fruit ⁸		
						Length	Attachment	Thickness		Length	Width	LD
Prizewinner	3.5	3.8	4.0	2.8	2.5	1.0	2.8	6.3	5.0	17.3	21.2	0.82
Wyatt's Wonder	3.5	3.8	3.8	2.0	2.5	1.0	3.8	3.0	4.6	13.1	16.8	0.79
New Moon	2.5	11.0	3.5	2.3	2.0	1.3	1.5	4.0	4.8	13.3	17.2	0.77
Full Moon	3.3	11.0	4.3	2.0	3.8	2.8	2.3	5.3	4.8	14.1	17.1	0.82
Harvest Time	7.5	4.5	6.3	3.8	2.3	5.6	5.1	7.9	4.0	14.0	14.9	0.94
Super Herc	6.3	7.3	6.8	4.5	4.0	3.5	8.5	7.5	4.0	14.6	14.5	1.02
Aladdin	5.0	6.8	6.0	2.3	2.8	4.8	7.3	5.8	3.9	13.7	14.4	0.95
Dependable	7.5	4.8	6.8	2.8	2.8	5.0	5.0	7.5	3.9	14.1	14.4	0.98
Gold Medal	7.5	5.8	5.8	3.5	2.8	4.5	6.6	7.8	3.9	12.2	12.9	0.94
Howden	8.5	6.0	5.5	4.5	2.8	4.3	6.9	6.6	4.1	12.4	13.7	0.91
Pro Gold 510	8.0	5.8	6.3	4.9	2.8	3.0	5.8	4.5	4.0	13.4	13.5	0.99
Gladiator	5.3	7.0	4.3	3.8	4.3	4.5	7.3	7.0	3.6	11.3	13.4	0.85
20 Karat Gold	7.8	6.0	5.0	2.8	2.3	4.5	6.0	6.8	3.8	10.9	12.4	0.88
Warlock	5.5	7.8	6.0	3.5	6.5	4.5	6.8	8.0	4.0	13.0	14.0	0.93
Magic Wand	5.8	7.0	4.3	4.4	2.5	4.5	7.8	6.5	3.8	10.5	12.6	0.83
Gold Challenger	7.5	6.0	4.8	3.5	2.0	5.3	7.0	7.3	3.6	11.3	12.5	0.91
Magic Lantern	6.5	6.8	5.1	3.8	2.5	5.0	6.5	5.5	3.5	11.7	13.1	0.89
Magician	6.3	6.8	5.0	4.0	2.8	4.3	6.4	7.0	3.6	11.0	12.4	0.88
EXT 5718	4.5	5.8	4.4	2.8	2.5	6.3	6.5	5.0	1.4	10.3	11.8	0.88
Hobbit	8.0	4.0	4.3	2.9	2.0	3.3	4.5	4.5	3.4	9.7	11.2	0.87
Valenciano	2.5	11.0	2.8	3.5	2.3	1.0	1.0	6.3	4.4	6.6	10.1	0.66
Lumina	2.3	11.0	3.0	2.0	2.3	1.3	1.0	4.3	3.9	6.5	9.4	0.69
Gooligan	7.5	10.3	3.8	7.3	2.3	2.8	3.3	4.5	1.3	4.2	5.1	0.82
Mini-Treat	8.0	5.3	4.5	1.3	2.5	4.5	8.3	6.8	1.4	3.4	4.2	0.82
Bumpkin	7.3	4.8	5.0	3.4	2.3	4.6	5.8	6.0	2.1	2.4	4.2	0.58
EXT 7440	9.0	7.0	5.0	5.0	4.0	6.0	6.0	6.0	2.0	13.1	15.6	0.84
Spartan	3.0	5.0	5.0	4.0	2.0	3.0	6.0	7.0	4.0	11.8	13.6	0.87
Camaro	2.0	3.0	5.0	2.0	2.0	2.0	5.0	7.0	4.0	10.6	11.3	0.94
Jarrahdale	4.0	10.0	2.0	9.0	6.0	2.0	1.0	6.0	4.0	7.1	11.4	0.62
Rouge Vif D'Etampe	4.0	4.0	1.0	3.0	3.0	2.0	1.0	4.0	3.5	6.2	13.0	0.48
Jamboree	4.0	10.0	6.0	5.0	2.0	2.0	2.0	7.0	4.0	6.7	10.6	0.63
Long Island Cheese	2.0	13.0	2.0	5.0	1.0	2.0	3.0	3.0	4.0	5.7	10.6	0.54
Kakai	3.0	14.5	4.0	1.0	1.0	3.0	5.0	5.0	4.0	7.2	7.4	0.97
Field Trip	4.0	7.0	3.0	3.0	2.0	8.0	5.0	6.0	4.0	6.3	8.7	0.72
Cannon Ball	5.0	7.0	5.0	1.0	2.0	6.0	5.0	8.0	2.5	5.6	6.3	0.89
Iron Man	9.0	7.0	5.0	1.0	3.0	5.0	5.0	8.0	3.0	5.8	7.3	0.79
Gargoyle	4.0	6.0	6.0	2.0	3.0	6.0	6.0	8.0	4.0	6.0	6.8	0.88
Sunshine	2.0	16.0	2.0	2.0	5.0	5.0	1.0	8.0	3.5	4.2	6.3	0.67
Lil' Pump-ke-Mon	8.0	3.0	2.0	2.0	4.0	4.0	6.0	7.0	2.0	2.6	4.6	0.57
Baby Boo	9.0	11.0	2.0	6.0	3.0	4.0	4.0	3.0	1.0	1.5	2.8	0.54

¹ Powdery Mildew Rating Scale : 0 = none to 9 = severe

² Color Scale: 1 = yellow, 5 = orange, 9 = burnt orange, 10 = blue, 11 = white

³ Fruit Shape Rating: 1 = flat, 5 = round, 9 = tall.

⁴ Fruit Suturing: 1 = none, 5 = medium, 9 = deep.

⁵ Texture Rating: 1 = smooth, 5 = semi-rough, 9 = rough

⁶ Handle Rating:

Length: 1 = short, 5 = medium, 9 = long.

Attachment: 1 = poor, 5 = average, 9 = excellent.

Thickness: 1 = thin, 5 = medium, 9 = thick.

⁷ Vine Type Rating: 1 = bush, 2 = semi-bush, 3 = semi-vine, and 4 = vine, 5 = aggressive vine.

⁸ Length and width were taken from 5 fruit per rep in inches.

The LD ratio was determined by dividing the length by diameter.