

Table 1. Yield and fruit size of 30 pumpkin varieties, Allen County, Indiana, 2003.

Cultivar	Seed Source	Marketable Pumpkins								All Pumpkins		
		Orange			Orange+Turning			%Orange (by no)		Yield	Number	Cull
		Ave. Wt.	Yield	Number	Ave. Wt.	Yield	Number	Rep. 1	Rep.2			
		lb.	T/A	No./A	lb.	T/A	No./A	%	%	T/A	No./A	% by no
<i>Jack-o-Lantern Pumpkins</i>												
RPX03507	RU	34.3	14.8	865	26.7	25.1	1878	47.6	44.7	27.1	2026	7.3
ACX103	AC	27.7	18.8	1372	25.5	21.7	1709	81.8	78.4	24.2	1899	10.2
Harvest Time	AC	26.7	18.8	1414	24.5	23.0	1878	53.3	97.7	25.3	2068	9.1
RPX03503	RU	26.7	20.8	1562	23.2	25.3	2174	59.2	83.3	26.6	2300	5.6
RPX03501	RU	24.7	12.8	1119	19.3	20.8	2153	24.1	83.3	23.0	2427	11.3
Gold Medal	RU	24.7	11.9	971	22.8	18.1	1604	34.1	96.9	19.3	1688	5.1
Aladdin	RI	24.1	12.8	1076	19.8	20.5	2068	42.2	60.4	21.4	2174	4.8
Autumn King	RU	23.0	11.3	992	19.8	19.7	1984	39.6	60.9	22.0	2279	12.9
REX1003	RU	22.1	6.7	612	18.9	18.5	1963	22.2	39.6	19.7	2068	5.1
Gold Gem	RU	21.6	16.3	1498	19.0	21.9	2300	52.7	77.8	22.4	2343	1.8
Big Rock	JS	21.4	10.2	992	18.5	16.6	1794	32.5	75.6	18.2	1963	8.6
Howden	RI	21.2	7.9	739	19.3	15.0	1562	41.0	54.3	15.5	1604	2.4
REX1002	RU	19.5	10.8	1119	17.4	14.7	1688	57.9	73.8	15.8	1815	7.0
RPX03517	RU	19.4	15.1	1583	17.5	20.5	2343	53.6	81.8	21.3	2427	3.4
ACX102	AC	19.1	11.5	1182	17.9	18.9	2089	45.7	62.5	21.2	2364	13.5
Magic Lantern	RI	18.1	9.6	1119	15.0	17.5	2343	26.4	67.2	18.6	2490	6.0
Phantom	RU	16.8	9.3	1097	15.6	15.6	1984	45.9	61.4	17.0	2216	11.2
Gold Bullion	RU	14.5	9.9	1393	13.4	19.2	2870	35.0	59.2	20.3	3018	5.2
RPX03516	RU	14.1	10.4	1372	13.3	14.4	2068	45.2	76.1	15.5	2237	8.5
Sorcerer	RI	13.5	8.5	1266	12.2	17.9	2934	30.2	53.9	18.2	2976	1.4
Gold Standard	RU	12.1	11.9	1963	11.5	14.5	2533	68.3	86.7	15.8	2786	8.8
Racer	JS	11.6	13.2	2300	11.1	14.7	2659	76.7	95.5	16.6	3018	11.9
LSD 0.10**		3.26	4.37	496	1.78	5.20	590			4.64	539	8.55
<i>Pie Pumpkins</i>												
Schooltime	ST	8.2	13.8	3398	8.1	15.4	3820	81.0	95.9	16.7	4221	9.4
Neon	ST	8.1	13.2	3250	8.0	13.7	3419	100.0	90.5	15.0	3925	12.9
Orange Smoothie	ST	4.9	7.1	2934	4.8	11.6	4791	45.5	76.1	12.5	5192	7.7
Pik-A-Pie	RU	4.1	5.8	2807	4.2	9.7	4601	36.5	83.3	9.8	4664	1.4
LSD 0.10		0.619	4.36	1748	0.387	1.06	222			1.70	542	6.3
<i>Mini-pumpkins</i>												
RPX03102	RU	no data	no data	no data	0.90	7.84	17424	no data	no data	8.21	18422	5.36
Wee-B-Little	RU	no data	no data	no data	0.60	2.79	9257	no data	no data	2.80	9302	0.42
Jack-B-Quik	RU	no data	no data	no data	0.43	3.47	16244	no data	no data	3.52	16471	1.52
RPX03101	RU	no data	no data	no data	0.36	3.74	20827	no data	no data	3.77	21009	0.84
LSD 0.10					0.36	1.25	1792			1.10	1191	NS

\*RU=Rupp Seeds, AC=Abbott&Cobb, JS=Johnny's Selected Seeds, RI=Rispens Seeds, ST=Stokes Seeds.

\*\*Means differing by more than this amount differ significantly at P≤.10 according to Fisher's protected LSD.

Table 2. Pumpkin vine vigor and pumpkin fruit characteristics for 30 varieties of pumpkins, Allen County, Indiana, 2003.

		Vine Vigor <sup>2</sup>	Fruit Size <sup>3</sup>	Color <sup>4</sup>	Shape <sup>5</sup>	Stem Thickness <sup>6</sup>	Stem Length <sup>6</sup>	Sutures <sup>7</sup>	Uniformity <sup>8</sup>	Overall <sup>9</sup>
<i>Jack-o-Lantern Pumpkins</i>										
RPX03507	RU	3	L	M	ob-tall	8	7	M	7	7
ACX103	AC	2.5	L	L	ob	7	5	L	6	6
Harvest Time	AC	2.5	L	L	tall	6	5	L	6	6
RPX03503	RU	3	L	L	tall-ob	3	5	H	6	5
RPX03501	RU	3	M	D	ob	4	7	H	6	7
Gold Medal	RU	3	M	M	rd-ob-tall	8	5	L	4	6
Aladdin	RI	3	M	D	ob	4	5	L	6	6
Autumn King	RU	3	M	M	ob-rd	5	5	M	5	4
REX1003	RU	3	M	D	rd-ob	6	7	L	5	7
Gold Gem	RU	3	M	M	ob	4	6	H	6	7
Big Rock	JS	2	M	D	rd-ob	5	5	H	7	7
Howden	RI	3	M	D	ob	6	4	H	5	6
REX1002	RU	3	M	D	ob-tall	7	6	L	5	6
RPX03517	RU	3	M	M	ob	8	5	M	7	7
ACX102	AC	1.5	M	L	tall-ob	2	3	L	4	3
Magic Lantern	RI	2.5	M	M	ob	4	5	M	7	7
Phantom	RU	2.5	M	D	ob	6	4	M	7	7
Gold Bullion	RU	2.5	S-M	M	sq-rd-ob	7	5	L	4	4
RPX03516	RU	1.5	M-S	M	rd-ob	6	5	L	5	5
Sorcerer	RI	2	S	D	ob	2	5	M	5	7
Gold Standard	RU	2	S	M	rd-ob	6	5	L	5	5
Racer	JS	2.5	S	M	sq-rd	7	6	M	7	7
<i>Pie Pumpkins</i>										
Schooltime	ST	2	L	M	sq-rd	5	5	L	6	7
Neon	ST	2	L	L	rd-ob	5	5	M	5	6
Orange Smoothie	ST	1.5	M	L	rd-ob	4	5	L	7	6
Pik-A-Pie	RU	2	M	M	sq-rd-ob	7	7	M	7	6
<i>Mini-pumpkins</i>										
RPX03102	RU	1.5	L	L	sq-rd-ob-tall	6	6	L	1	2
Wee-B-Little	RU	1	S	D	rd-ob	6	5	L	5	6
Jack-B-Quik	RU	2	S	L	sq	2	4	H	5	4
RPX03101	RU	2	S	M	sq	8	4	H	5	6

<sup>1</sup>Vine vigor evaluated on Aug. 6 for 2 replications of each variety; fruit characteristics evaluated on Sept. 13 for one replication per variety.

<sup>2</sup>3=100% cover; 2>75% cover; 1>50% cover

<sup>3</sup>L=large, M=medium, S=small (within type).

<sup>4</sup>D=dark orange; M=Medium orange; L=light orange.

<sup>5</sup>rd=spherical (height = diameter); ob=oblong, taller than wide (height>diameter); tall=(height >>diameter); squat=not as tall as wide (height<diameter).

<sup>6</sup>1= thin or short relative to size of pumpkin; 5=average relative to size of pumpkin; 9=thick or long relative to size of pumpkin.

<sup>7</sup>L=shallow sutures; M=medium sutures; H=deep sutures.

<sup>8</sup>1=poor uniformity; 5=average; 9=excellent uniformity of size and shape.

<sup>9</sup>1=very unattractive overall; 5=average; 9=very attractive overall.