

Table 1. Yields for the Oakes Irrigation Research Site 2002 pumpkin performance trial.

Name	Seed source	Marketable		Green <sup>1</sup>		Total <sup>2</sup>		Percent
		number fruit/A	yield tons/A	number fruit/A	yield tons/A	number fruit/A	yield tons/A	marketable %
Appalachian	PS <sup>3</sup>	1200 e <sup>4</sup>	10.8	880	3.5	4240 cde	22.7 bcd	48
Howden	RU <sup>3</sup>	480 e	7.1	1840	11.6	3280 de	19.6 cd	37
Hybrid Pam	SW	5450 b	14.6	640	1.5	7130 b	17.0 cd	86
Merlin	HR <sup>3</sup>	1600 cde	13.0	1600	7.1	5200 bcd	25.6 abc	57
Racer	JS	2560 cd	16.0	1280	4.1	5360 bc	24.1 bc	66
Rock Star	JS	1280 de	14.9	720	6.2	3360 de	33.8 a	44
Rocket	JS <sup>3</sup>	2720 c	17.9	1040	5.0	5930 bc	30.7 ab	58
Trax Field	SW	880 e	11.4	960	7.9	2641 e	24.4 abc	49
Trickster	RU <sup>3</sup>	7210 a	10.3	1280	1.2	10250 a	13.2 d	77
Trojan	SW	1200 e	14.3	560	5.4	3040 e	23.0 bc	66
Probability		<.0001	0.22	0.34	0.14	<.0001	0.008	0.053
C.V. (%)		37	40	71	90	26	29	35

<sup>1</sup>Green - pumpkins that were immature at harvest time.

<sup>2</sup>Includes those that were diseased, odd shaped, etc.

<sup>3</sup>This seed was furnished by Norman Haak

<sup>4</sup>Values in the same column followed by the same letter are not significantly different (0.05 level). If no letters in column there were no significant differences between values in that column.

Table 2. Pumpkin fruit characteristics for the Oakes Irrigation Research Site 2002 pumpkin performance trial.

Name	Seed source	Fruit size lbs/fruit	Handle (stem) <sup>1</sup> -----	Fruit color <sup>2</sup> 1 to 5 -----	Fruit shape <sup>3</sup> -----	Uniformity 1 to 3	Overall score 1 to 10
Appalachian	PS <sup>4</sup>	18.0 c <sup>5</sup>	2.4 d	3.3	3.6 a	2.1 cd	4.9 cd
Howden	RU <sup>4</sup>	31.0 a	2.4 d	3.2	3.6 a	2.6 abc	6.5 abc
Hybrid Pam	SW	5.3 e	5.0 a	3.8	2.9 c	2.9 ab	7.9 a
Merlin	HR <sup>4</sup>	16.0 cd	3.8 bc	3.5	3.6 a	1.4 e	5.1 cd
Racer	JS	12.6 d	4.4 ab	3.3	3.0 bc	2.9 ab	7.3 ab
Rock Star	JS	22.9 b	3.3 c	3.5	3.8 a	2.5 abc	6.1 bcd
Rocket	JS <sup>4</sup>	13.4 d	3.6 bc	3.0	3.5 ab	2.3 bc	7.0 ab
Trax Field	SW	25.6 b	2.3 d	3.0	3.8 a	1.5 de	5.0 cd
Trickster	RU <sup>4</sup>	3.0 e	5.0 a	3.5	3.0 bc	3.0 a	7.8 ab
Trojan	SW	23.0 b	2.4 d	3.0	3.4 abc	2.0 cde	4.5 d
Probability		<.0001	<.0001	0.06	0.01	0.0001	0.001
C.V.(%)		18	17	11	11	20	19

<sup>1</sup>Handle (or stem) - 1 to 5; the longer and thicker the handle in relation to the size of the pumpkin, the higher the score.

<sup>2</sup>Color - 2 = light orange, 3 = medium orange, 4 = dark orange.

<sup>3</sup>Shape - 1 = short, 2 = medium short, 3 = round, 4 = medium tall, 5 = tall.

<sup>4</sup>This seed was furnished by Norman Haak

<sup>5</sup>Values in the same column followed by the same letter are not significantly different (0.05 level). If no letters in a column then there were no significant differences between values in that column.