


Pumpkin Variety Trial 2006

Pinney-Purdue Ag Center
Wanatah, Indiana



Liz Maynard
NW Commercial Horticulture Program
Purdue University, Westville, IN 46391
emaynard@purdue.edu

Seeded May 30, Harvested Sept. 5 and 20
968 plants per acre for large pumpkins
1936 plants per acre for pie types
Rows 7.5 ft. apart, 15 ft. between cultivars, plants 4 ft. apart or 2 ft. for pies
Standard pest management



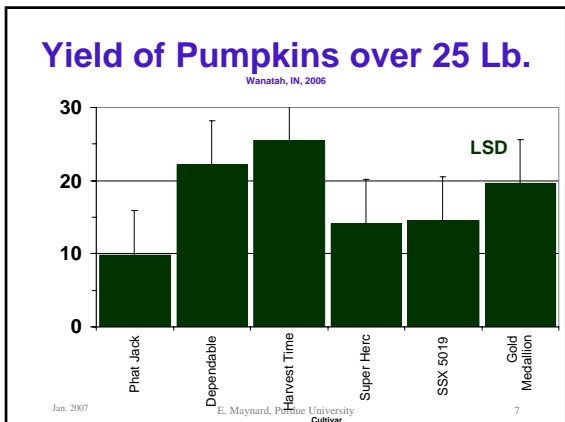

Marketable weight per plot (at least 1/2 orange)
Marketable number per plot
Turning and cull weight and number
Notes: vine vigor, pm, peduncle, shape,color, sutures, uniformity, overall



Pumpkins with Average Weight over 25 lb.

| Cultivar | Seed Source | Ave. Wt. |
|----------------|-------------|----------|
| Phat Jack | SI | 40 |
| Dependable | AC | 28 |
| Harvest Time | AC | 28 |
| Super Herc | ST/HM | 27 |
| SSX 5019 | SK | 26 |
| Gold Medallion | RU | 26 |

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Phat Jack

40 lb

Phat Jack

Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Culls | Orange on 9/5 ^x |
|--------------------------|------------|-------------|------------------|----------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. | % by no. |
| S1 | 9.8 | 0.48 | 40.4 | 0 | 25 |

| Powdery Mildew ^v | Vine Vigor ^v | Peduncle ^v | Fruit Unifor mity ^v | Overall Fruit Quality ^v |
|-----------------------------|-------------------------|-----------------------|--------------------------------|------------------------------------|
| Upper Lower % | Length Diameter Health | ----- 1 to 9 ----- | | |
| 41 82 | 9.0 7.5 | 7.5 6.0 | 3.0 5.0 | M-D D S-T |

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Dependable

28 lb

Dependable

Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Culls | Orange on 9/5 ^x |
|--------------------------|-------------|-------------|------------------|-----------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. | % by no. |
| AC | 22.2 | 1.57 | 28.3 | 13 | 87 |

| Powdery Mildew ^v | Vine Vigor ^v | Peduncle ^v | Fruit Unifor mity ^v | Overall Fruit Quality ^v |
|-----------------------------|-------------------------|-----------------------|--------------------------------|------------------------------------|
| Upper Lower % | Length Diameter Health | ----- 1 to 9 ----- | | |
| 36 77 | 7.5 4.0 | 6.5 7.0 | 4.0 6.0 | L S T |

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Harvest Time

28 lb

Harvest Time

Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Culls | Orange on 9/5 ^x |
|--------------------------|-----------|------------|------------------|----------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. | % by no. |
| AC | 25.5 | 1.82 | 27.9 | 10 | 97 |

| Powdery Mildew ^w | Vine Vigor ^v | Peduncle ^y | Fruit Unifor mity ^y | Overall Fruit Quality ^y |
|-----------------------------|-------------------------|-----------------------|--------------------------------|------------------------------------|
| Upper Lower | Length | Diameter | Health | |
| % | 1 to 9 | | | |
| 23 64 | 7.5 4.0 | 6.0 6.5 | 5.5 7.0 | L-M S T |

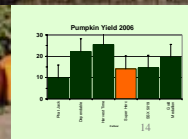
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13

Super Herc

27 lb



Super Herc

Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Culls | Orange on 9/5 ^x |
|--------------------------|-----------|------------|------------------|----------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. | % by no. |
| ST/HM | 14.1 | 1.04 | 27.3 | 11 | 87 |

| Powdery Mildew ^w | Vine Vigor ^v | Peduncle ^y | Fruit Unifor mity ^y | Overall Fruit Quality ^y |
|-----------------------------|-------------------------|-----------------------|--------------------------------|------------------------------------|
| Upper Lower | Length | Diameter | Health | |
| % | 1 to 9 | | | |
| 19 77 | 7.0 5.0 | 6.5 7.0 | 7.0 5.0 | D D O |

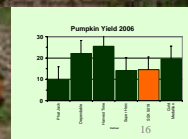
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15

SSX 5019

26 lb



SSX 5019

Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Culls | Orange on 9/5 ^x |
|--------------------------|-----------|------------|------------------|----------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. | % by no. |
| SK | 14.5 | 1.09 | 26.4 | 23 | 88 |

| Powdery Mildew ^w | Vine Vigor ^v | Peduncle ^y | Fruit Unifor mity ^y | Overall Fruit Quality ^y |
|-----------------------------|-------------------------|-----------------------|--------------------------------|------------------------------------|
| Upper Lower | Length | Diameter | Health | |
| % | 1 to 9 | | | |
| 23 86 | 6.5 4.5 | 4.5 6.0 | 6.0 6.0 | M-D D O |

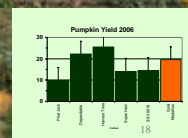
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Gold Medallion

26 lb



Gold Medallion

Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Orange Culls on 9/5 ^x |
|--------------------------|-------------|-------------|------------------|----------------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. % by no. |
| RU | 19.6 | 1.48 | 26.3 | 8 68 |

| Powdery Mildew ^w | Vine Vigor ^v | Peduncle ^v | Fruit Unifor mity ^v | Overall Fruit Quality ^v |
|-----------------------------|-------------------------|-----------------------|--------------------------------|------------------------------------|
| Upper Lower % | Length | Diameter | Health | |
| ----- 1 to 9 ----- | | | | |
| 41 86 | 6.5 | 5.0 | 7.5 7.0 | 5.5 5.5 M M O |

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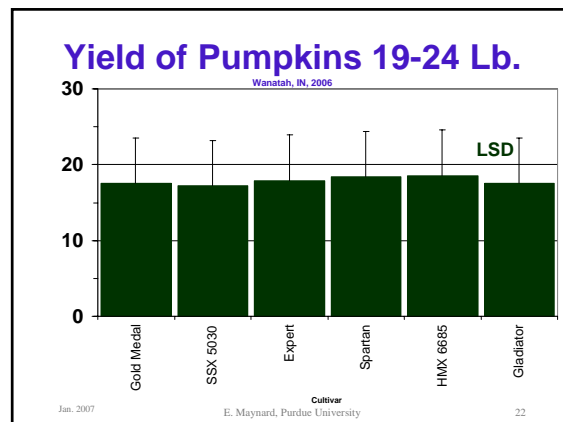


Pumpkins with Average Weight 19 - 24 lb.

Wanatah, IN, 2006

| Cultivar | Seed Source | Ave. Wt. |
|------------|-------------|----------|
| Gold Medal | RU | 23 |
| SSX 5030 | SK | 23 |
| Expert | JS | 21 |
| Spartan | SW | 21 |
| HMX 6685 | HM | 20 |
| Gladiator | ST/HM | 19 |

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Gold Medal

23 lb

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Gold Medal


Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Orange Culls on 9/5 ^x |
|--------------------------|-------------|-------------|------------------|----------------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. % by no. |
| RU | 17.5 | 1.50 | 23.4 | 7 71 |

| Powdery Mildew ^w | Vine Vigor ^v | Peduncle ^v | Fruit Unifor mity ^v | Overall Fruit Quality ^v |
|-----------------------------|-------------------------|-----------------------|--------------------------------|------------------------------------|
| Upper Lower % | Length | Diameter | Health | |
| ----- 1 to 9 ----- | | | | |
| 41 86 | 8.0 | 5.5 | 6.5 6.5 | 4.0 5.5 M-L M O |

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SSX 5030
23 lb




SSX 5030
Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Orange on 9/5 ^x |
|--------------------------|-------------|-------------|------------------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. |
| SK | 17.2 | 1.52 | 22.6 | 14 |

| Powdery Mildew ^w | Vine Vigor ^v | Peduncle ^v | Fruit Unifor mity ^v | Overall Fruit Quality ^v |
|-----------------------------|-------------------------|-----------------------|--------------------------------|------------------------------------|
| Upper Lower | Length | Diameter | Health | |
| % ----- 1 to 9 ----- | | | | |
| 36 | 77 | 6.0 | 6.0 | 4.5 |
| | | | | M-L |
| | | | | M S-R-O |

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Expert
21 lb




Expert
Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Orange on 9/5 ^x |
|--------------------------|-------------|-------------|------------------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. |
| JS | 17.9 | 1.67 | 21.4 | 7 |

| Powdery Mildew ^w | Vine Vigor ^v | Peduncle ^v | Fruit Unifor mity ^v | Overall Fruit Quality ^v |
|-----------------------------|-------------------------|-----------------------|--------------------------------|------------------------------------|
| Upper Lower | Length | Diameter | Health | |
| % ----- 1 to 9 ----- | | | | |
| 60 | 97 | 9.0 | 5.0 | 7.5 |
| | | | | 7.5 |
| | | | | 8.0 |
| | | | | M-D |
| | | | | D O |

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Spartan
21 lb




Spartan
Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Orange on 9/5 ^x |
|--------------------------|-------------|-------------|------------------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. |
| SW | 18.4 | 1.74 | 21.1 | 14 |

| Powdery Mildew ^w | Vine Vigor ^v | Peduncle ^v | Fruit Unifor mity ^v | Overall Fruit Quality ^v |
|-----------------------------|-------------------------|-----------------------|--------------------------------|------------------------------------|
| Upper Lower | Length | Diameter | Health | |
| % ----- 1 to 9 ----- | | | | |
| 42 | 77 | 5.5 | 4.0 | 4.5 |
| | | | | 4.5 |
| | | | | 6.0 |
| | | | | 6.0 |
| | | | | M D O |

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HMX 6685

20 lb




HMX 6685

Wanatah, IN, 2006


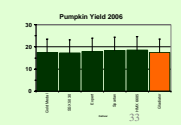
| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Orange Culls | Orange on 9/5 ^x |
|--------------------------|-------------|-------------|------------------|--------------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. | % by no. |
| HM | 18.6 | 1.82 | 20.5 | 11 | 74 |

| Powdery Mildew ^w | Vine Vigor ^v | Peduncle ^v | Fruit Uniformity ^y | Overall Fruit Quality ^y |
|-----------------------------|-------------------------|-----------------------|-------------------------------|------------------------------------|
| Upper Lower | Length | Diameter | Health | |
| % ----- 7 To 9 ----- | | | | |
| 14 | 38 | 8.5 | 4.0 | 6.0 |
| | | | 5.5 | 5.0 |
| | | | 3.5 | D M O |

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Gladiator

19 lb

Gladiator

Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Orange Culls | Orange on 9/5 ^x |
|--------------------------|-------------|-------------|------------------|--------------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. | % by no. |
| ST/HM | 17.5 | 1.86 | 19.0 | 4 | 52 |

| Powdery Mildew ^w | Vine Vigor ^v | Peduncle ^v | Fruit Uniformity ^y | Overall Fruit Quality ^y |
|-----------------------------|-------------------------|-----------------------|-------------------------------|------------------------------------|
| Upper Lower | Length | Diameter | Health | |
| % ----- 7 To 9 ----- | | | | |
| 19 | 50 | 7.5 | 5.0 | 5.5 |
| | | | 7.5 | 7.0 |
| | | | 6.0 | D M-D R-O |

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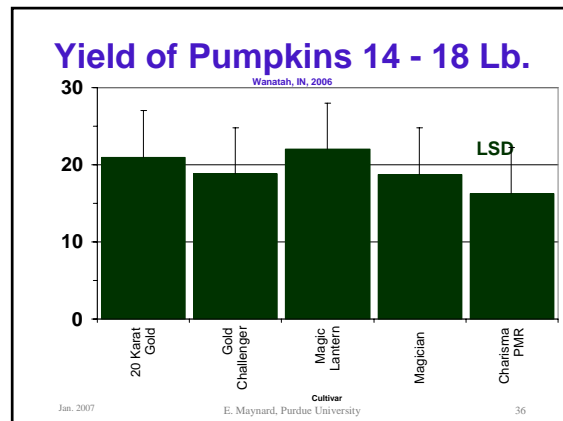
Pumpkins with Average Weight 14 - 18 lb.

Wanatah, IN 2006

| Cultivar | Seed Source | Ave. Wt. |
|-----------------|-------------|----------|
| 20 Karat Gold | RU | 18 |
| Gold Challenger | RU | 18 |
| 18 Karat Gold* | RU | 18 |
| Magic Lantern | ST/HM | 17 |
| Magician | ST/HM | 14 |
| Charisma | JS | 14 |

*Transplanted 27 June

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20 Karat Gold
18 lb





20 Karat Gold


Wanatah, IN, 2006

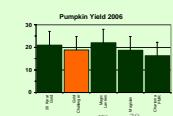
| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Culls | Orange on 9/5 ^x |
|--------------------------|-------------|-------------|------------------|----------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. | % by no. |
| RU | 21.0 | 2.35 | 17.9 | 7 | 88 |

| Powdery Mildew ^w | Vine Vigor ^v | Peduncle ^v | Fruit Uniformity ^y | Overall Fruit Quality ^y |
|-----------------------------|-------------------------|-----------------------|-------------------------------|------------------------------------|
| Upper Lower | Length | Diameter | Health | |
| % ----- 1 to 9 ----- | | | | |
| 28 | 86 | 5.5 | 6.0 | 5.0 |
| | | | 7.0 | 6.5 |
| | | | 7.5 | M |
| | | | M | R-O |

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Gold Challenger
18 lb





Gold Challenger

Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Culls | Orange on 9/5 ^x |
|--------------------------|-------------|-------------|------------------|----------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. | % by no. |
| RU | 18.8 | 2.13 | 17.8 | 6 | 60 |

| Powdery Mildew ^w | Vine Vigor ^v | Peduncle ^v | Fruit Uniformity ^y | Overall Fruit Quality ^y |
|-----------------------------|-------------------------|-----------------------|-------------------------------|------------------------------------|
| Upper Lower | Length | Diameter | Health | |
| % ----- 1 to 9 ----- | | | | |
| 38 | 81 | 7.0 | 6.0 | 5.5 |
| | | | 7.0 | 7.0 |
| | | | 6.5 | M |
| | | | M | O |

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18 Karat Gold
18 lb





18 Karat Gold

Transplanted 27 June
Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin Wt. | Culls | Orange on 9/5 ^x |
|--------------------------|-------------|-------------|------------------|----------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. | % by no. |
| RU | 13.4 | 1.50 | 17.8 | 6 | 59 |

| Powdery Mildew ^w | Vine Vigor ^v | Peduncle ^v | Fruit Uniformity ^y | Overall Fruit Quality ^y |
|-----------------------------|-------------------------|-----------------------|-------------------------------|------------------------------------|
| Upper Lower | Length | Diameter | Health | |
| % ----- 1 to 9 ----- | | | | |
| 50 | 91 | 7.5 | 3.5 | 5.0 |
| | | | 5.5 | 6.0 |
| | | | 6.0 | M |
| | | | M | O |

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Magic Lantern

17 lb



Pumpkin Yield 2006

| Source | Yield (tons/acre) | 1000s/acre | Ave. Pumpkin Wt. (lb.) | Orange on 9/5 ^x (% by no.) |
|--------|-------------------|------------|------------------------|---------------------------------------|
| ST/HM | 22.0 | 2.59 | 17.0 | 62 |

Magic Lantern

Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin n Wt. | Orange Culls | Orange on 9/5 ^x |
|--------------------------|-----------|------------|--------------------|--------------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. | % by no. |
| ST/HM | 22.0 | 2.59 | 17.0 | 5 | 62 |

| Powdery | Vine | Fruit Unifor | Overall Fruit | | | | | | | |
|---------------------|--------------------|-----------------------|--|--------|-----|-----|-----|---|-----|-----|
| Mildew ^m | Vigor ^v | Peduncle ^p | mity ^y Quality ^q | | | | | | | |
| Upper Lower | | Length | Diameter | Health | | | | | | |
| % | | -----1 to 9----- | | | | | | | | |
| 28 | 82 | 6.5 | 5.0 | 4.0 | 7.0 | 6.5 | 7.5 | D | M-D | R-O |

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Magician

14 lb



Pumpkin Yield 2006

| Source | Yield (tons/acre) | 1000s/acre | Ave. Pumpkin Wt. (lb.) | Orange on 9/5 ^x (% by no.) |
|--------|-------------------|------------|------------------------|---------------------------------------|
| ST/HM | 18.8 | 2.59 | 14.5 | 70 |

Magician

Wanatah, IN, 2006

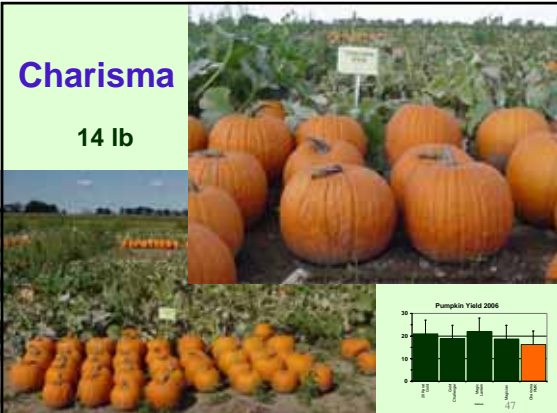
| Seed Source ^y | Yield | Number | Ave. Pumpkin n Wt. | Orange Culls | Orange on 9/5 ^x |
|--------------------------|-----------|------------|--------------------|--------------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. | % by no. |
| ST/HM | 18.8 | 2.59 | 14.5 | 12 | 70 |

| Powdery | Vine | Fruit Unifor | Overall Fruit | | | | | | | |
|---------------------|--------------------|-----------------------|--|--------|-----|-----|-----|---|-----|-----|
| Mildew ^m | Vigor ^v | Peduncle ^p | mity ^y Quality ^q | | | | | | | |
| Upper Lower | | Length | Diameter | Health | | | | | | |
| % | | -----1 to 9----- | | | | | | | | |
| 10 | 32 | 8.0 | 5.0 | 5.0 | 6.0 | 7.0 | 6.5 | M | M-D | R-O |

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Charisma

14 lb



Pumpkin Yield 2006

| Source | Yield (tons/acre) | 1000s/acre | Ave. Pumpkin Wt. (lb.) | Orange on 9/5 ^x (% by no.) |
|--------|-------------------|------------|------------------------|---------------------------------------|
| JS | 16.3 | 2.27 | 14.3 | 89 |

Charisma

Wanatah, IN, 2006

| Seed Source ^y | Yield | Number | Ave. Pumpkin n Wt. | Orange Culls | Orange on 9/5 ^x |
|--------------------------|-----------|------------|--------------------|--------------|----------------------------|
| | tons/acre | 1000s/acre | lb. | % by no. | % by no. |
| JS | 16.3 | 2.27 | 14.3 | 12 | 89 |

| Powdery | Vine | Fruit Unifor | Overall Fruit | | | | | | | |
|---------------------|--------------------|-----------------------|--|--------|-----|-----|-----|---|---|---|
| Mildew ^m | Vigor ^v | Peduncle ^p | mity ^y Quality ^q | | | | | | | |
| Upper Lower | | Length | Diameter | Health | | | | | | |
| % | | -----1 to 9----- | | | | | | | | |
| 19 | 60 | 6.5 | 5.5 | 4.0 | 6.0 | 7.5 | 7.5 | D | D | R |

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