

# **2019 Potato Outreach Program On-Farm Variety Trials**

Data Summary: Michigan Tablestock (Non-Russet) Variety Trials

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|                           |  |            |            |           |           |           |          |          |              |          |           |          |          |            |            |            |            |            |            |            |                                      |                  |
|---------------------------|--|------------|------------|-----------|-----------|-----------|----------|----------|--------------|----------|-----------|----------|----------|------------|------------|------------|------------|------------|------------|------------|--------------------------------------|------------------|
| NOVELTY<br>TYPE           | MSZ552-5P <sup>b</sup>                 | 416        | 512        | 81        | 16        | 81        | 0        | 3        | 1.092        | 60       | 0         | 0        | 0        | 0.0        | 3.0        | 4.0        | 2.0        | 4.0        | 2.5        | 1.5        | sl skinning                          |                  |
|                           | MSV443-1P <sup>a,def</sup>             | 348        | 459        | 67        | 34        | 64        | 0        | 2        | 1.072        | 0        | 0         | 0        | 0        | 0.6        | 2.3        | 3.6        | 2.4        | 4.5        | 3.5        | 3.0        | deep stem ends, gc                   |                  |
|                           | MSZ436-2SP <sup>l,defhi</sup>          | 310        | 371        | 79        | 18        | 79        | 0        | 3        | 1.065        | 0        | 8         | 0        | 0        | 0.9        | 3.0        | 2.9        | 2.4        | 0.5        | 1.5        | 1.5        | minimal splashing, mainly white skin |                  |
|                           | Michigan Purple <sup>ed,defhi</sup>    | 308        | 384        | 77        | 17        | 74        | 3        | 6        | 1.077        | 2        | 10        | 3        | 0        | 1.3        | 3.6        | 2.4        | 2.7        | 2.7        | 2.7        | 3.6        | light skin, mod skinning             |                  |
|                           | MSZ413-6P <sup>def</sup>               | 260        | 424        | 70        | 26        | 59        | 11       | 4        | 1.078        | 0        | 13        | 0        | 0        | 0.6        | 2.7        | 3.0        | 3.2        | 4.2        | 3.5        | 3.8        | pointed ends, skinning               |                  |
|                           | Blackberry (MSV109-10PP) <sup>ad</sup> | 225        | 399        | 36        | 62        | 36        | 0        | 2        | 1.076        | 0        | 0         | 0        | 0        | 0.5        | 2.5        | 3.5        | 2.3        | 5.0        | 3.3        | 3.3        | 3.3                                  | mod silver scurf |
| MSZ252-2P <sup>def</sup>  | 178                                    | 350        | 46         | 46        | 46        | 0         | 8        | 1.081    | 0            | 15       | 0         | 0        | 0.0      | 2.8        | 3.7        | 2.5        | 4.5        | 3.8        | 3.3        | 3.3        | misshapen pos, variable color        |                  |
| MSZ416-8R/Y <sup>ad</sup> | 154                                    | 242        | 55         | 39        | 54        | 1         | 6        | 1.069    | 0            | 30       | 5         | 0        | 0.0      | 3.3        | 3.8        | 2.5        | 3.3        | 3.8        | 2.8        | 2.8        | rough skin texture                   |                  |
| MSZ413-7P <sup>ad</sup>   | 90                                     | 197        | 42         | 54        | 42        | 0         | 4        | 1.072    | 0            | 0        | 0         | 0        | 0.5      | 2.8        | 3.5        | 3.0        | 5.0        | 4.3        | 3.3        | 3.3        | darker skin color, silver scurf      |                  |
|                           | <b>MEAN</b>                            | 254        | 371        | 61        | 35        | 59        | 2        | 4        | 1.076        | 7        | 8         | 1        | 0        | 0.5        | 2.9        | 3.4        | 2.5        | 3.7        | 3.2        | 2.9        | 2.9                                  |                  |
|                           | <b>TRIAL MEAN</b>                      | <b>326</b> | <b>431</b> | <b>70</b> | <b>24</b> | <b>68</b> | <b>2</b> | <b>6</b> | <b>1.072</b> | <b>4</b> | <b>12</b> | <b>4</b> | <b>1</b> | <b>0.8</b> | <b>3.2</b> | <b>2.8</b> | <b>2.5</b> | <b>2.3</b> | <b>2.9</b> | <b>3.2</b> | <b>3.3</b>                           | <b>2.4</b>       |

**2019 TABLESTOCK VARIETY TRIAL SITES**

- a 4-L Farms, Allegan County
- b Crawford Farms, Montcalm County
- c Hampton Potato Growers, Bay County
- d Horkey Brothers, Monroe County
- e Jenkins Farms, Kalkaska County
- f Kitchen Farms, Antrim County
- g Kitchen Farms Mini Bulk, Antrim County
- h Styma Potato Farms, Presque Isle County
- i Verbrigghe Potato Farms, Delta County
- j Walther Farms Early Generation, Tuscola County
- k Walther Farms Replicated, Tuscola County

**<sup>1</sup>SIZE**

**Non-russet tablestock**  
Bs: < 1 7/8"  
As: 1 7/8" - 3 1/4"  
OV: > 3 1/4"  
PO: Pickouts

**<sup>2</sup>SPECIFIC GRAVITY**

Data not replicated

**<sup>3</sup>RAW TUBER QUALITY**

**(percent of tubers out of 10)**  
HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

**<sup>4</sup>COMMON SCAB RATING**

0.0: Complete absence of surface or pitted lesions  
1.0: Presence of surface lesions  
2.0: Pitted lesions on tubers, though coverage is low  
3.0: Pitted lesions common on tubers  
4.0: Pitted lesions severe on tubers  
5.0: More than 50% of tuber surface area covered in pitted lesions

**<sup>5</sup>VINE VIGOR RATING**

Date: Variable  
Rating 1-5  
1: Slow emergence  
5: Early emergence

**<sup>6</sup>VINE MATURITY RATING**

Date: Variable  
Rating 1-5  
1: Early (vines completely dead)  
5: Late (vigorous vines, some flowering)

**<sup>7</sup>WAXINESS RATING**

1: Heavy netting, buff  
5: Waxy, smooth

**<sup>8</sup>FLESH COLOR**

1: White  
5: Dark yellow

**<sup>9</sup>SKIN COLOR**

1: Light pink  
5: Dark red

**<sup>10</sup>UNIFORMITY OF SKIN COLOR**

1: Highly variable, non-uniform  
5: Highly uniform, color throughout

**<sup>11</sup>SILVER SCURF**

0: No incidence of silver scurf  
5: High incidence of silver scurf



# 2019 Tablestock Potato Variety Trial

## Crawford Farms

Planting: 6/7/19 Vine Kill: 9/16/19 Harvest: 10/28/19  
GDD<sub>40</sub>: 2748

| LINE              | CWT/A                   | PERCENT OF TOTAL <sup>1</sup> |            |           |           |           | RAW TUBER QUALITY <sup>2</sup> (%) |              |                    |           |          | YELLOW FLESH |            |                                 | RED SKIN                |                            |                       | COMMENTS   |                          |                       |                         |   |   |
|-------------------|-------------------------|-------------------------------|------------|-----------|-----------|-----------|------------------------------------|--------------|--------------------|-----------|----------|--------------|------------|---------------------------------|-------------------------|----------------------------|-----------------------|------------|--------------------------|-----------------------|-------------------------|---|---|
|                   |                         | US#1                          | TOTAL      | US#1      | Bs        | As        | OV                                 | PO           | SP GR <sup>2</sup> | HH        | VD       | IBS          | BC         | COMMON SCAB RATING <sup>5</sup> | VINE VIGOR <sup>7</sup> | VINE MATURITY <sup>8</sup> | WAXINESS <sup>7</sup> |            | FLESH COLOR <sup>8</sup> | WAXINESS <sup>7</sup> | SKIN COLOR <sup>9</sup> | UNIFORMITY <sup>10</sup>                  | SILVER SCURF <sup>11</sup>                    |
| YELLOW SKIN TYPE  | Arizona                 | 502                           | 618        | 81        | 18        | 81        | 0                                  | 1            | 1.063              | 0         | 0        | 0            | 0          | 0.0                             | 3.0                     | 3.5                        | 2.5                   | 1.5        |                          |                       |                         |   | greening, rougher appearance, less bright     |
|                   | Obama                   | 488                           | 588        | 83        | 14        | 83        | 0                                  | 3            | 1.069              | 0         | 0        | 0            | 0          | 0.0                             | 3.5                     | 2.0                        | 2.0                   | 3.0        |                          |                       |                         |   | textured, flaky skin                          |
|                   | Electra                 | 474                           | 579        | 82        | 9         | 82        | 0                                  | 9            | 1.061              | 0         | 10       | 0            | 0          | 0.0                             | 2.0                     | 3.0                        | 3.0                   | 3.5        |                          |                       |                         |   | points, pears, bottlenecking                  |
|                   | Actrice                 | 403                           | 482        | 84        | 13        | 84        | 0                                  | 3            | 1.060              | 0         | 20       | 0            | 0          | 0.5                             | 1.5                     | 2.0                        | 2.0                   | 3.0        |                          |                       |                         |   | deep eyes and eyebrows, smooth skin           |
|                   | Fioretta                | 351                           | 566        | 62        | 30        | 62        | 0                                  | 8            | 1.071              | 0         | 0        | 0            | 0          | 0.0                             | 4.0                     | 3.0                        | 2.5                   | 3.5        |                          |                       |                         |   | misshapen pos, points and knobs               |
|                   | MSX156-1Y               | 338                           | 404        | 84        | 9         | 82        | 2                                  | 7            | 1.067              | 20        | 0        | 0            | 0          | 0.5                             | 1.0                     | 2.0                        | 2.0                   | 2.5        |                          |                       |                         |   | gc in po, netting, round                      |
|                   | NY149                   | 306                           | 347        | 88        | 12        | 88        | 0                                  | 0            | 1.083              | 30        | 0        | 0            | 10         | 0.0                             | 3.0                     | 2.5                        | 2.0                   | 2.0        |                          |                       |                         |   |   |
|                   | SF Varlo                | 280                           | 451        | 62        | 30        | 62        | 0                                  | 8            | 1.065              | 10        | 0        | 0            | 0          | 0.5                             | 4.0                     | 3.0                        | 2.5                   | 2.0        |                          |                       |                         |   | smooth bright skin                            |
| Yukon Gold        | <b>274</b>              | <b>330</b>                    | <b>83</b>  | <b>7</b>  | <b>83</b> | <b>0</b>  | <b>10</b>                          | <b>1.088</b> | <b>50</b>          | <b>0</b>  | <b>0</b> | <b>0</b>     | <b>1.0</b> | <b>1.5</b>                      | <b>2.0</b>              | <b>3.0</b>                 | <b>3.0</b>            |            |                          |                       |                         | misshapen pos,                            |   |
| Queen Anne        | 235                     | 424                           | 56         | 43        | 56        | 0         | 1                                  | 1.059        | 0                  | 0         | 0        | 0            | 0.0        | 1.5                             | 3.0                     | 4.0                        | 2.0                   |            |                          |                       |                         | oval, nice, bright                        |   |
|                   | <b>MEAN</b>             | 365                           | 479        | 77        | 19        | 76        | 0                                  | 5            | 1.069              | 11        | 3        | 0            | 1          | 0                               | 2.5                     | 2.6                        | 2.6                   | 2.6        |                          |                       |                         |   |   |
| RED SKIN TYPE     | Red Prairie             | 463                           | 618        | 75        | 21        | 75        | 0                                  | 4            | 1.067              | 0         | 20       | 0            | 0          | 1.5                             | 2.0                     | 2.5                        |                       |            | 3.0                      | 2.5                   | 3.0                     | 3.0                                       | pitted scab lesions, some points              |
|                   | NY164                   | 358                           | 443        | 81        | 12        | 81        | 0                                  | 7            | 1.067              | 0         | 0        | 0            | 0          | 0.5                             | 2.5                     | 2.0                        |                       |            | 3.0                      | 2.5                   | 4.0                     | 1.0                                       |   |
|                   | Red Sunset              | 338                           | 409        | 83        | 16        | 83        | 0                                  | 1            | 1.060              | 0         | 0        | 0            | 0          | 0.0                             | 3.0                     | 2.5                        |                       |            | 3.5                      | 2.0                   | 4.0                     | 0.0                                       | skinning, uniform                             |
|                   | <b>Dark Red Norland</b> | <b>328</b>                    | <b>387</b> | <b>85</b> | <b>10</b> | <b>85</b> | <b>0</b>                           | <b>5</b>     | <b>1.063</b>       | <b>10</b> | <b>0</b> | <b>0</b>     | <b>0</b>   | <b>0.0</b>                      | <b>3.0</b>              | <b>1.5</b>                 |                       |            | <b>3.0</b>               | <b>3.0</b>            | <b>2.5</b>              | <b>1.0</b>                                | misshapen pos, mod scurf                      |
|                   | NDAF113484B-1           | 306                           | 368        | 83        | 12        | 83        | 0                                  | 5            | 1.065              | 0         | 0        | 0            | 0          | 0.0                             | 2.0                     | 3.0                        |                       |            | 2.5                      | 3.0                   | 3.0                     | 3.0                                       | mod scurf                                     |
|                   | W8893-1R                | 265                           | 357        | 74        | 23        | 74        | 0                                  | 3            | 1.058              | 10        | 0        | 0            | 0          | 0.0                             | 4.0                     | 1.0                        |                       |            | 2.5                      | 3.5                   | 4.0                     | 1.5                                       | mod scurf, nice red skin                      |
| Autumn Rose       | 187                     | 347                           | 54         | 38        | 54        | 0         | 8                                  | 1.079        | 0                  | 0         | 0        | 0            | 0.0        | 3.5                             | 3.5                     |                            |                       | 2.5        | 3.5                      | 3.0                   | 2.0                     | nice red skin, no skinning, poor type, gc |   |
| CO98012-5R        |                         |                               |            |           |           |           |                                    | 1.077        | 20                 | 10        | 20       | 0            |            | 1.0                             | 3.5                     |                            |                       | 3.0        | 3.5                      | 3.0                   | 1.5                     |   |   |
|                   | <b>MEAN</b>             | 321                           | 418        | 76        | 19        | 76        | 0                                  | 5            | 1.066              | 3         | 3        | 0            | 0          | 2.9                             | 2.4                     |                            |                       | 2.9        | 2.9                      | 3.4                   | 1.6                     |   |   |
| ROUND WHITE TYPE  | Harmony                 | 486                           | 653        | 74        | 8         | 74        | 0                                  | 18           | 1.064              | 0         | 0        | 30           | 0.5        | 1.5                             | 3.0                     |                            |                       | 2.0        |                          |                       |                         |   | nice skin, poor appearance, severe gc         |
|                   | <b>Reba</b>             | <b>419</b>                    | <b>489</b> | <b>86</b> | <b>9</b>  | <b>84</b> | <b>2</b>                           | <b>5</b>     | <b>1.073</b>       | <b>0</b>  | <b>0</b> | <b>0</b>     | <b>0.0</b> | <b>2.0</b>                      | <b>2.0</b>              |                            |                       | <b>2.5</b> |                          |                       |                         |   | deep eyes in larger tubers, smooth and bright |
|                   | AF5280-5                | 349                           | 401        | 87        | 11        | 87        | 0                                  | 2            | 1.068              | 0         | 0        | 0            | 0          | 0.0                             | 4.0                     | 1.5                        |                       |            | 2.0                      |                       |                         |   | tr ah   |
|                   | Nadine                  | 349                           | 490        | 71        | 18        | 71        | 0                                  | 11           | 1.061              | 0         | 10       | 0            | 0          | 0.0                             | 3.0                     | 3.5                        |                       |            | 3.0                      |                       |                         |   |   |
|                   | Bridget                 | 335                           | 442        | 76        | 22        | 76        | 0                                  | 2            | 1.081              | 0         | 0        | 0            | 0          | 0.5                             | 3.0                     | 3.0                        |                       |            | 2.0                      |                       |                         |   | netted rougher skin                           |
|                   | NDAF102629C-4           | 288                           | 359        | 80        | 8         | 80        | 0                                  | 12           | 1.078              | 0         | 0        | 0            | 0          | 0.0                             | 2.5                     | 2.0                        |                       |            | 2.5                      |                       |                         |   | round and blocky                              |
|                   | MSX194-3                | 278                           | 391        | 71        | 26        | 71        | 0                                  | 3            | 1.079              | 0         | 0        | 0            | 0          | 0.0                             | 3.0                     | 3.0                        |                       |            | 2.5                      |                       |                         |   | sl ah, rougher skin                           |
| White beauty      | 270                     | 390                           | 69         | 27        | 69        | 0         | 4                                  | 1.078        | 0                  | 0         | 0        | 0            | 0.0        | 3.0                             | 4.0                     |                            |                       | 4.0        |                          |                       |                         | bright appearance, nice                   |   |
| AAC Hamer         | 237                     | 311                           | 76         | 19        | 76        | 0         | 5                                  | 1.085        | 20                 | 0         | 0        | 0            | 2.0        | 3.0                             | 2.0                     |                            |                       | 3.5        |                          |                       |                         |   |   |
|                   | <b>MEAN</b>             | 335                           | 436        | 77        | 16        | 76        | 0                                  | 7            | 1.074              | 2         | 1        | 0            | 3          | 0                               | 2.7                     | 2.7                        |                       |            | 2.7                      |                       |                         |   |   |
| NOVELTY TYPE      | MSZ552-5P               | 416                           | 512        | 81        | 16        | 81        | 0                                  | 3            | 1.092              | 60        | 0        | 0            | 0          | 0.0                             | 3.0                     | 4.0                        |                       |            | 2.0                      | 4.0                   | 2.5                     | 1.5                                       | sl skinning                                   |
|                   | MSV443-1PP              | 355                           | 421        | 84        | 16        | 84        | 0                                  | 0            | 1.068              | 0         | 0        | 0            | 0          | 0.0                             | 1.5                     | 3.0                        |                       |            | 2.0                      | 5.0                   | 3.5                     | 2.0                                       |   |
|                   | <b>MEAN</b>             | 386                           | 467        | 83        | 16        | 83        | 0                                  | 2            | 1.080              | 30        | 0        | 0            | 0          | 0                               | 2.3                     | 3.5                        |                       |            | 2                        | 5                     | 3                       | 2   |   |
| <b>TRIAL MEAN</b> | <b>346</b>              | <b>449</b>                    | <b>77</b>  | <b>18</b> | <b>77</b> | <b>0</b>  | <b>5</b>                           | <b>1.071</b> | <b>8</b>           | <b>2</b>  | <b>1</b> | <b>1</b>     | <b>0.3</b> | <b>2.6</b>                      | <b>2.6</b>              |                            |                       | <b>2.6</b> | <b>2.6</b>               | <b>2.7</b>            | <b>3.3</b>              | <b>3.3</b>                                | <b>1.7</b>                                    |

<sup>1</sup>SIZE  
Non-russet tablestock  
Bs: < 1 7/8"  
As: 1 7/8" - 3 1/4"  
OV: > 3 1/4"  
PO: Pickouts

<sup>2</sup>SPECIFIC GRAVITY  
Data not replicated

<sup>3</sup>RAW TUBER QUALITY  
(percent of tubers out of 10)  
HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

<sup>4</sup>COMMON SCAB RATING  
0.0: Complete absence of surface or pitted lesions  
1.0: Presence of surface lesions  
2.0: Pitted lesions on tubers, though coverage is low  
3.0: Pitted lesions common on tubers  
4.0: Pitted lesions severe on tubers  
5.0: More than 50% of tuber surface area covered in pitted lesions

<sup>5</sup>VINE VIGOR RATING  
Date: 7/5/19  
Rating 1-5  
1: Slow emergence  
5: Early emergence

<sup>6</sup>VINE MATURITY RATING  
Date: 8/30/19  
Rating 1-5  
1: Early (vines completely dead)  
5: Late (vigorous vines, some flowering)

**FIELD DATA**  
Planting Date: 6/7/19  
Vine Kill Date: 9/16/19  
Harvest Date: 10/28/19  
Days (planting to vine kill): 101  
Days (planting to harvest): 143  
GDD<sub>40</sub> MAWN Station: Entran  
GDD<sub>40</sub> (planting to vine kill): 2748  
Seed Spacing: 10"

<sup>7</sup>WAXINESS RATING  
1: Heavy netting, buff  
5: Waxy, smooth

<sup>8</sup>FLESH COLOR  
1: White  
5: Dark yellow

<sup>9</sup>SKIN COLOR  
1: Light pink  
5: Dark red

<sup>10</sup>UNIFORMITY OF SKIN COLOR  
1: Highly variable, non-uniform  
5: Highly uniform, color throughout

<sup>11</sup>SILVER SCURF  
0: No incidence of silver scurf  
5: High incidence of silver scurf

## 2019 Tablestock Potato Variety Trial

### Hampton Potato Growers

Planting: 4/29/19 Vine Kill: 9/1/19 Harvest: 9/11/19  
GDD<sub>40</sub>: 3169

| LINE              | CWT/A            |             | PERCENT OF TOTAL <sup>1</sup> |           |           |          |          | RAW TUBER QUALITY <sup>4</sup> (%) |          |           |           |          | YELLOW FLESH                    |                         |                            | RED SKIN              |                          |                       | COMMENTS   |                         |                          |   |   |
|-------------------|------------------|-------------|-------------------------------|-----------|-----------|----------|----------|------------------------------------|----------|-----------|-----------|----------|---------------------------------|-------------------------|----------------------------|-----------------------|--------------------------|-----------------------|------------|-------------------------|--------------------------|---|---|
|                   | US#1             | TOTAL       | US#1                          | Bs        | As        | OV       | PO       | SP GR <sup>2</sup>                 | HH       | VD        | IBS       | BC       | COMMON SCAB RATING <sup>5</sup> | VINE VIGOR <sup>7</sup> | VINE MATURITY <sup>8</sup> | WAXINESS <sup>7</sup> | FLESH COLOR <sup>8</sup> | WAXINESS <sup>7</sup> |            | SKIN COLOR <sup>9</sup> | UNIFORMITY <sup>10</sup> | SILVER SCURF <sup>11</sup>              |   |
| YELLOW SKIN TYPE  | MSX156-1Y        | 831         | 862                           | 97        | 1         | 93       | 4        | 2                                  | 1.071    | 0         | 20        | 0        | 0                               | 3.0                     | Not Taken                  | 3.0                   | 3.0                      | 2.0                   |            |                         |                          |   | pitted scab lesions, greening                     |
|                   | Electra          | 796         | 888                           | 90        | 9         | 90       | 0        | 1                                  | 1.068    | 0         | 20        | 0        | 0                               | 1.8                     |                            | 1.0                   | 2.0                      | 2.5                   |            |                         |                          |   | heavier netted skin, pointed and misshapen tubers |
|                   | Arizona          | 724         | 849                           | 86        | 11        | 84       | 2        | 3                                  | 1.057    | 0         | 0         | 0        | 0                               | 2.8                     |                            | 1.5                   | 2.5                      | 1.5                   |            |                         |                          |   | oval tuber type, nice skin, moderate scab         |
|                   | MSV093-1Y        | 670         | 731                           | 92        | 7         | 92       | 0        | 1                                  | 1.078    | 0         | 10        | 0        | 0                               | 0.5                     |                            | 2.5                   | 2.0                      | 2.5                   |            |                         |                          |   | buff skin, deep apical ends                       |
|                   | Actrice          | 640         | 711                           | 90        | 8         | 89       | 1        | 2                                  | 1.054    | 0         | 10        | 0        | 0                               | 0.5                     |                            | 3.0                   | 4.0                      | 2.5                   |            |                         |                          |   | nice skin finish, oval tubers                     |
|                   | Obama            | 506         | 631                           | 80        | 18        | 80       | 0        | 2                                  | 1.063    | 0         | 70        | 0        | 0                               | 1.0                     |                            | 2.5                   | 1.5                      | 1.5                   |            |                         |                          |   | variable type, rougher skin                       |
|                   | Fioretta         | 359         | 771                           | 47        | 48        | 47       | 0        | 5                                  | 1.073    | 0         | 30        | 0        | 0                               | 1.3                     |                            | 1.5                   | 2.5                      | 3.5                   |            |                         |                          |   | pointed tubers                                    |
| NY149             | 338              | 458         | 74                            | 23        | 74        | 0        | 3        | 1.083                              | 0        | 30        | 10        | 10       | 1.5                             |                         | 2.0                        | 2.4                   | 2.0                      |                       |            |                         |                          | pink eyes, light netted skin            |   |
| Queen Anne        | 272              | 541         | 50                            | 48        | 50        | 0        | 2        | 1.056                              | 0        | 30        | 0         | 0        | 0.0                             |                         | 2.5                        | 4.5                   | 3.0                      |                       |            |                         |                          |   |   |
|                   | <b>MEAN</b>      | 571         | 716                           | 78        | 19        | 78       | 1        | 2                                  | 1.067    | 0         | 24        | 1        | 1                               | 1.4                     |                            | 2.2                   | 2.7                      | 2.3                   |            |                         |                          |   |   |
| RED SKIN TYPE     | Roko             | 692         | 871                           | 79        | 16        | 79       | 0        | 5                                  | 1.078    | 0         | 0         | 100      | 0                               | 1.5                     |                            | 3.0                   |                          | 2.5                   | 2.5        | 4.0                     | 1.0                      |   | oval to oblong tuber type                         |
|                   | NDAF113484B-1    | 472         | 532                           | 89        | 8         | 89       | 0        | 3                                  | 1.064    | 0         | 20        | 0        | 0                               | 0.8                     |                            | 2.0                   |                          | 4.0                   | 3.0        | 2.0                     | 4.5                      |   | deep eyes   |
|                   | CO98012-5R       | 411         | 557                           | 74        | 24        | 74       | 0        | 2                                  | 1.071    | 0         | 0         | 0        | 0                               | 3.5                     |                            | 1.5                   |                          | 4.0                   | 4.0        | 3.5                     | 3.5                      |   | severe pitted scab                                |
|                   | Red Sunset       | 370         | 503                           | 74        | 25        | 74       | 0        | 1                                  | 1.059    | 0         | 50        | 0        | 0                               | 3.0                     |                            | 2.5                   |                          | 4.0                   | 2.0        | 2.0                     | 3.0                      |   | variable skin color, skinning                     |
|                   | W8893-1R         | 361         | 461                           | 78        | 15        | 78       | 0        | 7                                  | 1.055    | 0         | 50        | 0        | 10                              | 0.5                     |                            | 2.5                   |                          | 3.5                   | 3.5        | 2.5                     | 4.0                      |   | scurf, greening, misshapen pickouts               |
|                   | Dark Red Norland | 276         | 383                           | 72        | 27        | 72       | 0        | 1                                  | 1.064    | 0         | 10        | 0        | 0                               | 1.0                     |                            | 1.5                   |                          | 3.5                   | 4.0        | 1.5                     | 1.0                      |   | variable skin color, no skinning                  |
| Autumn Rose       | 173              | 331         | 52                            | 45        | 52        | 0        | 3        | 1.067                              | 0        | 50        | 0         | 0        | 0.5                             |                         | 2.0                        |                       | 3.0                      | 2.0                   | 4.0        | 3.0                     |                          | attractive oval tuber type, smooth skin |   |
|                   | <b>MEAN</b>      | 394         | 520                           | 74        | 23        | 74       | 0        | 3                                  | 1.065    | 0         | 26        | 14       | 1                               | 1.5                     |                            | 2.1                   |                          | 3.5                   | 3.0        | 2.8                     | 2.9                      |   |   |
| ROUND WHITE TYPE  | White Beauty     | 611         | 729                           | 84        | 12        | 84       | 0        | 4                                  | 1.082    | 0         | 0         | 40       | 0                               | 2.0                     |                            | 2.0                   | 2.5                      |                       |            |                         |                          |   | misshapen pickouts                                |
|                   | Harmony          | 560         | 749                           | 75        | 21        | 75       | 0        | 4                                  | 1.054    | 0         | 10        | 0        | 0                               | 1.5                     |                            | 1.5                   | 3.0                      |                       |            |                         |                          |   |   |
|                   | AAC Hamer        | 431         | 552                           | 74        | 25        | 74       | 0        | 1                                  | 1.072    | 10        | 20        | 40       | 20                              | 3.5                     |                            | 2.0                   | 2.0                      |                       |            |                         |                          |   | greening, pitted scab lesions                     |
|                   | Bridget          | 398         | 634                           | 63        | 32        | 63       | 0        | 5                                  | 1.078    | 0         | 20        | 0        | 0                               | 2.0                     |                            | 2.5                   | 1.0                      |                       |            |                         |                          |   | rough netted skin type, pointed tubers            |
|                   |                  | <b>MEAN</b> | 500                           | 666       | 74        | 23       | 74       | 0                                  | 4        | 1.072     | 3         | 13       | 20                              | 5                       | 2.3                        |                       | 2.0                      |                       |            |                         |                          |   |   |
| <b>TRIAL MEAN</b> | <b>495</b>       | <b>637</b>  | <b>76</b>                     | <b>21</b> | <b>76</b> | <b>0</b> | <b>3</b> | <b>1.067</b>                       | <b>1</b> | <b>23</b> | <b>10</b> | <b>2</b> | <b>1.6</b>                      |                         | <b>2.1</b>                 | <b>2.5</b>            | <b>2.3</b>               | <b>3.5</b>            | <b>3.0</b> | <b>2.8</b>              | <b>2.9</b>               |   |   |

|                          |                                      |                                       |  |                                       |  |   |
|--------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|--|---|
| <sup>1</sup> <b>SIZE</b> | <sup>2</sup> <b>SPECIFIC GRAVITY</b> | <sup>3</sup> <b>RAW TUBER QUALITY</b> | <sup>4</sup> <b>COMMON SCAB RATING</b>                             | <sup>5</sup> <b>VINE VIGOR RATING</b> | <sup>6</sup> <b>VINE MATURITY RATING</b> | <b>FIELD DATA</b>                         |
| Non-russet tablestock    | Data not replicated                  | (percent of tubers out of 10)         | 0.0: Complete absence of surface or pitted lesions                 | Date: Not Taken                       | Date: 8/16/19                            | Planting Date                             |
| Bs: < 1 7/8"             |                                      | HH: Hollow Heart                      | 1.0: Presence of surface lesions                                   | Rating 1-5                            | Rating 1-5                               | Vine Kill Date                            |
| As: 1 7/8" - 3 1/4"      |                                      | VD: Vascular Discoloration            | 2.0: Pitted lesions on tubers, though coverage is low              | 1: Slow emergence                     | 1: Early (vines completely dead)         | Harvest Date                              |
| OV: > 3 1/4"             |                                      | IBS: Internal Brown Spot              | 3.0: Pitted lesions common on tubers                               | 5: Early emergence                    | 5: Late (vigorous vines, some flowering) | Days (planting to vine kill)              |
| PO: Pickouts             |                                      | BC: Brown Center                      | 4.0: Pitted lesions severe on tubers                               |                                       |  | Days (planting to harvest)                |
|                          |                                      |                                       | 5.0: More than 50% of tuber surface area covered in pitted lesions |                                       |  | GDD <sub>40</sub> MAWN Station            |
|                          |                                      |                                       |  |                                       |  | GDD <sub>40</sub> (planting to vine kill) |
|                          |                                      |                                       |  |                                       |  | Seed Spacing                              |
|                          |                                      |                                       |  |                                       |  |   |

|                                     |                                 |                                |   |                                   |
|-------------------------------------|---------------------------------|--------------------------------|---|-----------------------------------|
| <sup>7</sup> <b>WAXINESS RATING</b> | <sup>8</sup> <b>FLESH COLOR</b> | <sup>9</sup> <b>SKIN COLOR</b> | <sup>10</sup> <b>UNIFORMITY OF SKIN COLOR</b> | <sup>11</sup> <b>SILVER SCURF</b> |
| 1: Heavy netting, buff              | 1: White                        | 1: Light pink                  | 1: Highly variable, non-uniform               | 0: No incidence of silver scurf   |
| 5: Waxy, smooth                     | 5: Dark yellow                  | 5: Dark red                    | 5: Highly uniform, color throughout           | 5: High incidence of silver scurf |









## 2018 Tablestock Potato Variety Trial

### Kitchen Farms Mini Bulk

Planting: 5/14/19 Vine Kill:8/25/19 Harvest: 10/7/19

GDD<sub>40</sub>: 2232

| LINE             | CWT/A             | PERCENT OF TOTAL <sup>1</sup> |       |      |    |    |    | RAW TUBER QUALITY <sup>4</sup> (%) |                    |    |    |     |    | YELLOW FLESH                    |                         | RED SKIN                   |                       |                          | COMMENTS |                       |                         |                          |                            |   |             |
|------------------|-------------------|-------------------------------|-------|------|----|----|----|------------------------------------|--------------------|----|----|-----|----|---------------------------------|-------------------------|----------------------------|-----------------------|--------------------------|----------|-----------------------|-------------------------|--------------------------|----------------------------|---|-------------|
|                  |                   | US#1                          | TOTAL | US#1 | Bs | As | OV | PO                                 | SP GR <sup>2</sup> | HH | VD | IBS | BC | COMMON SCAB RATING <sup>5</sup> | VINE VIGOR <sup>7</sup> | VINE MATURITY <sup>8</sup> | WAXINESS <sup>7</sup> | FLESH COLOR <sup>8</sup> |          | WAXINESS <sup>7</sup> | SKIN COLOR <sup>9</sup> | UNIFORMITY <sup>10</sup> | SILVER SCURF <sup>11</sup> |   |             |
| YELLOW SKIN TYPE | MSX156-1Y         | 640                           | 657   | 98   | 2  | 94 | 4  | 0                                  | 1.086              | 20 | 0  | 10  | 10 | 1.0                             | 4.0                     | 4.5                        | 1.5                   | 2.0                      |          |                       |                         |                          |                            | blocky shape                                  |             |
|                  | Actrice           | 573                           | 671   | 85   | 13 | 85 | 0  | 2                                  | 1.068              | 20 | 0  | 10  | 0  | 1.0                             | 3.0                     | 3.0                        | 3.0                   | 3.0                      |          |                       |                         |                          |                            | nice smooth skin                              |             |
|                  | Electra           | 521                           | 631   | 83   | 15 | 83 | 0  | 2                                  | 1.073              | 0  | 0  | 0   | 0  | 1.0                             | 3.0                     | 4.5                        | 3.0                   | 2.5                      |          |                       |                         |                          |                            |   |             |
|                  | Obama             | 491                           | 580   | 85   | 12 | 85 | 0  | 3                                  | 1.075              | 0  | 0  | 0   | 0  | 1.0                             | 4.5                     | 2.5                        | 2.5                   | 2.0                      |          |                       |                         |                          |                            |   |             |
|                  | Queen Anne        | 339                           | 621   | 55   | 41 | 55 | 0  | 4                                  | 1.068              | 0  | 0  | 0   | 0  | 1.0                             | 3.5                     | 3.0                        | 4.0                   | 3.0                      |          |                       |                         |                          |                            |   | pitted scab |
|                  | Fioretta          | 317                           | 677   | 47   | 50 | 47 | 0  | 3                                  | 1.074              | 0  | 10 | 0   | 0  | 2.0                             | 4.0                     | 3.5                        | 3.0                   | 2.5                      |          |                       |                         |                          |                            |   |             |
|                  | <b>MEAN</b>       | 480                           | 640   | 76   | 22 | 75 | 1  | 2                                  | 1.074              | 7  | 2  | 3   | 2  | 1.2                             | 3.7                     | 3.5                        | 2.8                   | 2.6                      |          |                       |                         |                          |                            |   |             |
| RED SKIN TYPE    | Red Sunset        | 479                           | 590   | 81   | 19 | 81 | 0  | 0                                  | 1.076              | 0  | 20 | 0   | 0  | 2.0                             | 4.0                     | 2.0                        |                       |                          | 2.5      | 2.0                   | 4.0                     | 3.0                      |                            | powdery scab, inconsistent skin color         |             |
|                  | W8893-1R          | 334                           | 499   | 67   | 32 | 67 | 0  | 1                                  | 1.075              | 0  | 20 | 0   | 0  | 3.0                             | 4.0                     | 1.5                        |                       |                          | 2.5      | 3.0                   | 4.0                     | 3.5                      |                            | powdery scab                                  |             |
|                  | <b>MEAN</b>       | 407                           | 545   | 74   | 26 | 74 | 0  | 1                                  | 1.076              | 0  | 20 | 0   | 0  | 2.5                             | 4.0                     | 1.8                        |                       |                          | 2.5      | 2.5                   | 4.0                     | 3.3                      |                            |   |             |
| ROUND WHITE TYPE | MSV179-1          | 574                           | 623   | 92   | 5  | 92 | 0  | 3                                  | 1.080              | 10 | 0  | 0   | 0  | 1.5                             | 3.5                     | 4.5                        | 1.5                   |                          |          |                       |                         |                          |                            |   |             |
|                  | Harmony           | 522                           | 643   | 81   | 13 | 81 | 0  | 6                                  | 1.063              | 50 | 20 | 0   | 40 | 0.5                             | 3.0                     | 3.5                        | 2.0                   |                          |          |                       |                         |                          |                            |   |             |
|                  | White Beauty      | 491                           | 553   | 89   | 9  | 89 | 0  | 2                                  | 1.086              | 0  | 0  | 0   | 0  | 1.5                             | 3.0                     | 5.0                        | 2.5                   |                          |          |                       |                         |                          |                            | apical anthocyanin pigmentation, surface scab |             |
|                  | Libertie          |                               |       |      |    |    |    |                                    |                    |    |    |     |    | 3.5                             | 1.5                     |                            |                       |                          |          |                       |                         |                          |                            |   |             |
|                  | <b>MEAN</b>       | 529                           | 606   | 87   | 9  | 87 | 0  | 4                                  | 1.076              | 20 | 7  | 0   | 13 | 1.2                             | 3                       | 3.6                        | 2.0                   |                          |          |                       |                         |                          |                            |   |             |
|                  | <b>TRIAL MEAN</b> | 480                           | 613   | 78   | 19 | 78 | 0  | 2                                  | 1.075              | 9  | 6  | 2   | 5  | 1.4                             | 3.6                     | 3.3                        | 2.6                   | 2.6                      | 2.5      | 2.5                   | 4.0                     | 3.3                      |                            |   |             |

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| <p><sup>1</sup><b>SIZE</b><br/>Non-russet tablestock<br/>Bs: &lt; 1 7/8"<br/>As: 1 7/8" - 3 1/4"<br/>OV: &gt; 3 1/4"<br/>PO: Pickouts</p> | <p><sup>2</sup><b>SPECIFIC GRAVITY</b><br/>Data not replicated</p>    | <p><sup>3</sup><b>RAW TUBER QUALITY</b><br/>(percent of tubers out of 10)<br/>HH: Hollow Heart<br/>VD: Vascular Discoloration<br/>IBS: Internal Brown Spot<br/>BC: Brown Center</p> | <p><sup>4</sup><b>COMMON SCAB RATING</b><br/>0.0: Complete absence of surface or pitted lesions<br/>1.0: Presence of surface lesions<br/>2.0: Pitted lesions on tubers, though coverage is low<br/>3.0: Pitted lesions common on tubers<br/>4.0: Pitted lesions severe on tubers<br/>5.0: More than 50% of tuber surface area covered in pitted lesions</p> | <p><sup>5</sup><b>VINE VIGOR RATING</b><br/>Date: 6/24/19<br/>Rating 1-5<br/>1: Slow emergence<br/>5: Early emergence</p> | <p><sup>6</sup><b>VINE MATURITY RATING</b><br/>Date: 8/23/19<br/>Rating 1-5<br/>1: Early (vines completely dead)<br/>5: Late (vigorous vines, some flowering)</p> | <p><b>FIELD DATA</b><br/>Planting Date 5/14/19<br/>Vine Kill Date 8/25/19<br/>Harvest Date 10/7/19<br/>Days (planting to vine kill) 103<br/>Days (planting to harvest) 146<br/>GDD<sub>40</sub> MAWN Station Kalkaska 2232<br/>GDD<sub>40</sub> (planting to vine kill) 2232<br/>Seed Spacing 10"</p> |
| <p><sup>7</sup><b>WAXINESS RATING</b><br/>1: Heavy netting, buff<br/>5: Waxy, smooth</p>  | <p><sup>8</sup><b>FLESH COLOR</b><br/>1: White<br/>5: Dark yellow</p> | <p><sup>9</sup><b>SKIN COLOR</b><br/>1: Light pink<br/>5: Dark red</p>  | <p><sup>10</sup><b>UNIFORMITY OF SKIN COLOR</b><br/>1: Highly variable, non-uniform<br/>5: Highly uniform, color throughout</p>   | <p><sup>11</sup><b>SILVER SCURF</b><br/>0: No incidence of silver scurf<br/>5: High incidence of silver scurf</p>         |   |   |



# 2019 Tablestock Potato Variety Trial

## Verbrigghe Potato Farms

Planting: 5/15/19 Vine Kill: 9/7/19 Harvest: 10/9/19  
GDD<sub>40</sub>: 2547

| LINE              | CWT/A                   |            | PERCENT OF TOTAL <sup>1</sup> |           |           |           |           | RAW TUBER QUALITY <sup>4</sup> (%) |              |          |          |           | YELLOW FLESH                    |                         | RED SKIN                   |                       |                          | COMMENTS   |                       |                         |                          |                               |                          |
|-------------------|-------------------------|------------|-------------------------------|-----------|-----------|-----------|-----------|------------------------------------|--------------|----------|----------|-----------|---------------------------------|-------------------------|----------------------------|-----------------------|--------------------------|------------|-----------------------|-------------------------|--------------------------|-------------------------------|--------------------------|
|                   | US#1                    | TOTAL      | US#1                          | Bs        | As        | OV        | PO        | SP GR <sup>2</sup>                 | HH           | VD       | IBS      | BC        | COMMON SCAB RATING <sup>5</sup> | VINE VIGOR <sup>7</sup> | VINE MATURITY <sup>8</sup> | WAXINESS <sup>7</sup> | FLESH COLOR <sup>8</sup> |            | WAXINESS <sup>7</sup> | SKIN COLOR <sup>9</sup> | UNIFORMITY <sup>10</sup> | SILVER SCURF <sup>11</sup>    |                          |
| YELLOW SKIN TYPE  | Fioletta                | 720        | 823                           | 87        | 3         | 77        | 10        | 10                                 | 1.070        | 0        | 0        | 0         | 1.0                             | 5.0                     | 4.5                        | 3.0                   | 4.0                      |            |                       |                         |                          | nice type, high yielding      |                          |
|                   | Arizona                 | 566        | 586                           | 96        | 4         | 57        | 39        | 0                                  | 1.064        | 0        | 0        | 0         | 2.0                             | 3.0                     | 3.0                        | 2.0                   | 1.0                      |            |                       |                         |                          |                               |                          |
|                   | Obama                   | 556        | 592                           | 94        | 6         | 80        | 14        | 0                                  | 1.070        | 0        | 0        | 0         | 0.0                             | 3.5                     | 4.0                        | 4.0                   | 4.0                      |            |                       |                         |                          | oblong type, nice flesh color |                          |
|                   | Electra                 | 541        | 619                           | 87        | 2         | 64        | 23        | 11                                 | 1.069        | 0        | 0        | 0         | 1.0                             | 2.5                     | 4.5                        | 3.0                   | 2.0                      |            |                       |                         |                          |                               |                          |
|                   | Actrice                 | 496        | 512                           | 96        | 4         | 84        | 12        | 0                                  | 1.064        | 0        | 0        | 10        | 0.0                             | 3.0                     | 3.5                        | 4.0                   | 2.0                      |            |                       |                         |                          |                               |                          |
| YELLOW SKIN TYPE  | MSV093-1Y               | 394        | 408                           | 96        | 2         | 46        | 50        | 2                                  | 1.079        | 0        | 0        | 0         | 1.0                             | 4.0                     | 4.0                        | 2.0                   | 1.0                      |            |                       |                         |                          |                               |                          |
|                   | Queen Anne              | 349        | 418                           | 83        | 13        | 83        | 0         | 4                                  | 1.061        | 0        | 0        | 0         | 0.0                             | 3.0                     | 3.5                        | 5.0                   | 3.0                      |            |                       |                         |                          | smooth skin                   |                          |
|                   | NY149                   | 299        | 333                           | 90        | 3         | 62        | 28        | 7                                  | 1.084        | 0        | 0        | 0         | 1.0                             | 3.0                     | 4.0                        | 4.0                   | 2.0                      |            |                       |                         |                          |                               |                          |
|                   | <b>Yukon Gold</b>       | <b>252</b> | <b>296</b>                    | <b>85</b> | <b>4</b>  | <b>43</b> | <b>42</b> | <b>11</b>                          | <b>1.074</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>1.0</b>                      | <b>3.0</b>              | <b>4.0</b>                 | <b>2.0</b>            | <b>3.0</b>               |            |                       |                         |                          |                               |                          |
| <b>MEAN</b>       | <b>464</b>              | <b>510</b> | <b>90</b>                     | <b>5</b>  | <b>66</b> | <b>24</b> | <b>5</b>  | <b>1.071</b>                       | <b>0</b>     | <b>0</b> | <b>1</b> | <b>0</b>  | <b>0.8</b>                      | <b>3.3</b>              | <b>3.9</b>                 | <b>3.2</b>            | <b>2.4</b>               |            |                       |                         |                          |                               |                          |
| RED SKIN TYPE     | <b>Dark Red Norland</b> | <b>556</b> | <b>627</b>                    | <b>89</b> | <b>1</b>  | <b>71</b> | <b>18</b> | <b>10</b>                          | <b>1.066</b> | <b>0</b> | <b>0</b> | <b>40</b> | <b>1.0</b>                      | <b>4.0</b>              | <b>3.5</b>                 |                       |                          | <b>3.0</b> | <b>4.0</b>            | <b>4.0</b>              | <b>0.0</b>               |                               |                          |
|                   | Red Prairie             | 507        | 542                           | 93        | 1         | 74        | 19        | 6                                  | 1.065        | 0        | 10       | 20        | 0.0                             | 3.0                     | 4.0                        |                       |                          | 4.0        | 4.0                   | 3.0                     | 0.0                      | good skin set                 |                          |
|                   | NDAF113484B-1           | 478        | 505                           | 95        | 2         | 58        | 37        | 3                                  | 1.061        | 0        | 0        | 0         | 0.0                             | 2.0                     | 3.5                        |                       |                          | 5.0        | 3.0                   | 5.0                     | 0.0                      | skinning                      |                          |
|                   | W8893-1R                | 460        | 495                           | 93        | 4         | 81        | 12        | 3                                  | 1.067        | 0        | 0        | 0         | 0.0                             | 2.5                     | 2.5                        |                       |                          | 5.0        | 3.0                   | 4.0                     | 1.0                      | skinning                      |                          |
|                   | Autumn Rose             | 357        | 511                           | 70        | 1         | 66        | 4         | 29                                 | 1.077        | 0        | 0        | 0         | 3.0                             | 3.5                     | 4.5                        |                       |                          | 1.0        | 2.0                   | 3.0                     | 2.0                      | non uniform type-very knobby  |                          |
| RED SKIN TYPE     | NY164                   | 343        | 372                           | 92        | 8         | 92        | 0         | 0                                  | 1.067        | 0        | 0        | 0         | 0.0                             | 3.0                     | 4.0                        |                       |                          | 5.0        | 2.0                   | 5.0                     | 0.0                      | skinning                      |                          |
|                   | Roko                    | 334        | 397                           | 84        | 4         | 84        | 0         | 12                                 | 1.072        | 0        | 0        | 0         | 0.0                             | 3.5                     | 4.5                        |                       |                          | 3.0        | 4.0                   | 4.0                     | 1.0                      | nice dark color               |                          |
|                   | Red Sunset              | 286        | 306                           | 93        | 5         | 78        | 15        | 2                                  | 1.065        | 0        | 0        | 10        | 0.0                             | 3.5                     | 3.0                        |                       |                          | 4.0        | 1.0                   | 5.0                     | 0.0                      | skinning                      |                          |
|                   | <b>MEAN</b>             | <b>415</b> | <b>470</b>                    | <b>89</b> | <b>3</b>  | <b>76</b> | <b>13</b> | <b>8</b>                           | <b>1.068</b> | <b>0</b> | <b>1</b> | <b>9</b>  | <b>0</b>                        | <b>0.5</b>              | <b>3.1</b>                 | <b>3.7</b>            |                          |            | <b>3.8</b>            | <b>2.9</b>              | <b>4.1</b>               | <b>0.5</b>                    |                          |
| ROUND WHITE TYPE  | AAC Hamer               | 525        | 539                           | 98        | 2         | 78        | 20        | 0                                  | 1.081        | 0        | 0        | 20        | 0.0                             | 4.5                     | 3.5                        |                       |                          |            |                       |                         |                          |                               |                          |
|                   | MSV179-1                | 521        | 534                           | 97        | 2         | 37        | 60        | 1                                  | 1.074        | 0        | 0        | 0         | 1.0                             | 2.0                     | 4.5                        |                       |                          |            |                       |                         |                          |                               |                          |
|                   | Harmony                 | 506        | 572                           | 88        | 5         | 69        | 19        | 7                                  | 1.063        | 0        | 0        | 0         | 0.0                             | 2.5                     | 3.0                        |                       |                          |            |                       |                         |                          |                               |                          |
|                   | Bridget                 | 477        | 548                           | 87        | 3         | 70        | 17        | 10                                 | 1.081        | 0        | 0        | 0         | 1.0                             | 3.5                     | 4.0                        |                       |                          |            |                       |                         |                          | skinning                      |                          |
|                   | AF5280-5                | 401        | 429                           | 94        | 0         | 47        | 47        | 6                                  | 1.072        | 0        | 0        | 0         | 0.0                             | 3.5                     | 3.5                        |                       |                          |            |                       |                         |                          | nice skin and flesh           |                          |
|                   | White Beauty            | 365        | 407                           | 90        | 5         | 71        | 19        | 5                                  | 1.074        | 0        | 0        | 0         | 0.0                             | 1.5                     | 5.0                        |                       |                          |            |                       |                         |                          |                               |                          |
|                   | <b>Reba</b>             | <b>360</b> | <b>390</b>                    | <b>92</b> | <b>2</b>  | <b>53</b> | <b>39</b> | <b>6</b>                           | <b>1.079</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0.0</b>                      | <b>2.5</b>              | <b>4.5</b>                 |                       |                          |            |                       |                         |                          |                               | <b>very uniform type</b> |
|                   | NDAF102629C-4           | 347        | 383                           | 91        | 2         | 66        | 25        | 7                                  | 1.078        | 0        | 0        | 0         | 0.0                             | 3.0                     | 4.0                        |                       |                          |            |                       |                         |                          |                               | skinning, nice type      |
| MSX194-3          | 317                     | 342        | 93                            | 7         | 84        | 9         | 0         | 1.079                              | 0            | 0        | 0        | 1.0       | 3.0                             | 4.5                     |                            |                       |                          |            |                       |                         |                          |                               |                          |
| Libertie          | 316                     | 343        | 92                            | 4         | 73        | 19        | 4         | 1.069                              | 0            | 0        | 0        | 1.0       | 3.0                             | 4.0                     |                            |                       |                          |            |                       |                         |                          | skinning                      |                          |
| Nadine            | 248                     | 294        | 84                            | 9         | 75        | 9         | 7         | 1.060                              | 0            | 0        | 0        | 0.0       | 2.5                             | 3.5                     |                            |                       |                          |            |                       |                         |                          | some netting                  |                          |
| <b>MEAN</b>       | <b>398</b>              | <b>435</b> | <b>91</b>                     | <b>4</b>  | <b>66</b> | <b>26</b> | <b>5</b>  | <b>1.074</b>                       | <b>0</b>     | <b>0</b> | <b>2</b> | <b>0</b>  | <b>0.4</b>                      | <b>2.9</b>              | <b>4.0</b>                 |                       |                          |            |                       |                         |                          |                               |                          |
| NOVELTY           | Michigan Purple         | 416        | 426                           | 97        | 3         | 77        | 20        | 0                                  | 1.073        | 0        | 0        | 0         | 3.0                             | 4.0                     | 4.0                        |                       |                          |            |                       |                         |                          |                               | skinning                 |
| <b>TRIAL MEAN</b> | <b>424</b>              | <b>467</b> | <b>91</b>                     | <b>4</b>  | <b>69</b> | <b>22</b> | <b>6</b>  | <b>1.071</b>                       | <b>0</b>     | <b>0</b> | <b>3</b> | <b>0</b>  | <b>0.6</b>                      | <b>3.1</b>              | <b>3.9</b>                 | <b>3.2</b>            | <b>2.4</b>               | <b>3.8</b> | <b>2.9</b>            | <b>4.1</b>              | <b>0.5</b>               |                               |                          |

<sup>1</sup>**SIZE**  
Non-russet tablestock  
Bs: < 1 7/8"  
As: 1 7/8" - 3 1/4"  
OV: > 3 1/4"  
PO: Pickouts

<sup>2</sup>**SPECIFIC GRAVITY**  
Data not replicated

<sup>3</sup>**RAW TUBER QUALITY**  
(percent of tubers out of 10)  
HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

<sup>4</sup>**COMMON SCAB RATING**  
0.0: Complete absence of surface or pitted lesions  
1.0: Presence of surface lesions  
2.0: Pitted lesions on tubers, though coverage is low  
3.0: Pitted lesions common on tubers  
4.0: Pitted lesions severe on tubers  
5.0: More than 50% of tuber surface area covered in pitted lesions

<sup>5</sup>**VINE VIGOR RATING**  
Date: 7/10/19  
Rating 1-5  
1: Slow emergence  
5: Early emergence

<sup>6</sup>**VINE MATURITY RATING**  
Date: 8/28/19  
Rating 1-5  
1: Early (vines completely dead)  
5: Late (vigorous vines, some flowering)

**FIELD DATA**  
Planting Date 5/15/19  
Vine Kill Date 9/7/19  
Harvest Date 10/9/19  
Days (planting to vine kill) 115  
Days (planting to harvest) 147  
GDD<sub>40</sub> MAWN Station Escanaba  
GDD<sub>40</sub> (planting to vine kill) 2547  
Seed Spacing 10"

<sup>7</sup>**WAXINESS RATING**  
1: Heavy netting, buff  
5: Waxy, smooth

<sup>8</sup>**FLESH COLOR**  
1: White  
5: Dark yellow

<sup>9</sup>**SKIN COLOR**  
1: Light pink  
5: Dark red

<sup>10</sup>**UNIFORMITY OF SKIN COLOR**  
1: Highly variable, non-uniform  
5: Highly uniform, color throughout

<sup>11</sup>**SILVER SCURF**  
0: No incidence of silver scurf  
5: High incidence of silver scurf



# 2019 Replicated Tablestock Potato Variety Trial

## Walther Farms

Planting: 5/15/19 Vine Kill: 8/26/19 Harvest: 9/10/19

GDD<sub>40</sub>: 2781

| LINE              | CWT/A                   |            | PERCENT OF TOTAL <sup>1</sup> |           |           |           |          | RAW TUBER QUALITY <sup>4</sup> (%) |              |           |           |          | COMMON SCAB RATING <sup>5</sup> | VINE VIGOR <sup>7</sup> | VINE MATURITY <sup>8</sup> | YELLOW FLESH          |                          | RED SKIN              |                         |                          | SILVER SCURF <sup>11</sup> | COMMENTS   |                         |                                       |
|-------------------|-------------------------|------------|-------------------------------|-----------|-----------|-----------|----------|------------------------------------|--------------|-----------|-----------|----------|---------------------------------|-------------------------|----------------------------|-----------------------|--------------------------|-----------------------|-------------------------|--------------------------|----------------------------|------------|-------------------------|---------------------------------------|
|                   | US#1                    | TOTAL      | US#1                          | Bs        | As        | OV        | PO       | SP GR <sup>2</sup>                 | HH           | VD        | IBS       | BC       |                                 |                         |                            | WAXINESS <sup>7</sup> | FLESH COLOR <sup>8</sup> | WAXINESS <sup>7</sup> | SKIN COLOR <sup>9</sup> | UNIFORMITY <sup>10</sup> |                            |            |                         |                                       |
| YELLOW SKIN TYPE  | MSX156-1Y               | 515        | 542                           | 95        | 3         | 87        | 8        | 2                                  | 1.068        | 0         | 0         | 0        | 0                               | 1.5                     | 3.8                        | 3.0                   | 2.2                      | 1.7                   |                         |                          |                            |            |                         | poor shape and appearance             |
|                   | MSBB343-2Y              | 469        | 511                           | 91        | 7         | 91        | 0        | 2                                  | 1.081        | 0         | 23        | 0        | 0                               | 1.2                     | 4.3                        | 2.5                   | 2.3                      | 1.8                   |                         |                          |                            |            |                         | gc in pos, poor skin                  |
|                   | Actrice                 | 422        | 487                           | 87        | 9         | 87        | 0        | 4                                  | 1.058        | 0         | 20        | 0        | 0                               | 0.5                     | 3.2                        | 1.5                   | 2.0                      | 1.5                   |                         |                          |                            |            |                         | deep apical eyes                      |
|                   | Noah                    | 396        | 495                           | 80        | 12        | 79        | 1        | 8                                  | 1.071        | 0         | 13        | 0        | 0                               | 0.7                     | 3.5                        | 3.0                   | 2.7                      | 1.3                   |                         |                          |                            |            |                         | pointed tubers, pitted scab           |
|                   | Paroli                  | 383        | 454                           | 84        | 10        | 84        | 0        | 6                                  | 1.064        | 0         | 10        | 0        | 0                               | 0.5                     | 4.0                        | 1.5                   | 3.3                      | 2.3                   |                         |                          |                            |            |                         | growth crack, attractive waxy skin    |
|                   | Electra                 | 378        | 423                           | 89        | 8         | 89        | 0        | 3                                  | 1.064        | 0         | 13        | 0        | 0                               | 0.2                     | 3.0                        | 3.2                   | 2.0                      | 2.0                   |                         |                          |                            |            |                         | flat oval type                        |
|                   | Obama                   | 339        | 445                           | 76        | 22        | 75        | 1        | 2                                  | 1.069        | 0         | 30        | 0        | 0                               | 0.3                     | 4.0                        | 2.3                   | 2.5                      | 1.7                   |                         |                          |                            |            |                         | oval to oblong, buff skin             |
|                   | Laperla                 | 328        | 473                           | 69        | 29        | 69        | 0        | 2                                  | 1.061        | 0         | 23        | 0        | 0                               | 0.0                     | 4.3                        | 1.7                   | 3.2                      | 1.2                   |                         |                          |                            |            |                         | smooth, bright skin                   |
|                   | Captain                 | 319        | 397                           | 80        | 12        | 80        | 0        | 8                                  | 1.065        | 0         | 40        | 0        | 0                               | 0.0                     | 3.5                        | 1.5                   | 2.8                      | 1.3                   |                         |                          |                            |            |                         | poor tuber shape, blocky              |
|                   | <b>Yukon Gold</b>       | <b>288</b> | <b>323</b>                    | <b>89</b> | <b>7</b>  | <b>89</b> | <b>0</b> | <b>4</b>                           | <b>1.079</b> | <b>7</b>  | <b>13</b> | <b>0</b> | <b>3</b>                        | <b>0.5</b>              | <b>3.2</b>                 | <b>2.0</b>            | <b>2.2</b>               | <b>2.0</b>            |                         |                          |                            |            |                         | <b>netted skin</b>                    |
|                   | Queen Anne              | 286        | 485                           | 60        | 39        | 59        | 1        | 1                                  | 1.065        | 0         | 7         | 0        | 0                               | 0.8                     | 3.7                        | 2.0                   | 3.8                      | 2.3                   |                         |                          |                            |            |                         | smooth skin, oval                     |
|                   | Fioretta                | 284        | 490                           | 58        | 39        | 58        | 0        | 3                                  | 1.068        | 0         | 7         | 0        | 0                               | 0.8                     | 3.3                        | 2.8                   | 3.2                      | 3.3                   |                         |                          |                            |            |                         | uniform, bright skin                  |
|                   | SF Vario                | 272        | 392                           | 71        | 26        | 71        | 0        | 3                                  | 1.068        | 0         | 17        | 0        | 0                               | 0.3                     | 3.7                        | 2.0                   | 2.5                      | 1.3                   |                         |                          |                            |            |                         | buff skin                             |
|                   | NY149                   | 268        | 360                           | 75        | 22        | 75        | 0        | 3                                  | 1.084        | 0         | 37        | 0        | 0                               | 0.2                     | 4.2                        | 2.5                   | 2.3                      | 2.5                   |                         |                          |                            |            |                         | done, netted skin                     |
|                   | Picobello               | 200        | 298                           | 67        | 27        | 67        | 0        | 6                                  | 1.062        | 0         | 13        | 0        | 0                               | 0.7                     | 3.0                        | 2.5                   | 2.8                      | 2.0                   |                         |                          |                            |            |                         | poor shape and appearance             |
| Arizona           | 153                     | 216        | 70                            | 28        | 70        | 0         | 2        | 1.062                              | 0            | 10        | 0         | 0        | 0.3                             | 2.7                     | 2.2                        | 2.5                   | 1.0                      |                       |                         |                          |                            |            | skin netting, poor type |                                       |
| Nixie             | 138                     | 292        | 47                            | 52        | 47        | 0         | 1        | 1.079                              | 0            | 0         | 0         | 0        | 0.2                             | 3.5                     | 2.3                        | 2.7                   | 2.2                      |                       |                         |                          |                            |            | small, bright, points   |                                       |
| <b>MEAN</b>       | <b>320</b>              | <b>417</b> | <b>76</b>                     | <b>21</b> | <b>75</b> | <b>1</b>  | <b>4</b> | <b>1.069</b>                       | <b>0</b>     | <b>17</b> | <b>0</b>  | <b>0</b> | <b>0.5</b>                      | <b>3.6</b>              | <b>2.3</b>                 | <b>2.6</b>            | <b>1.8</b>               |                       |                         |                          |                            |            |                         |                                       |
| RED SKIN TYPE     | NDAF1134848-1           | 500        | 541                           | 92        | 7         | 92        | 0        | 1                                  |              |           |           |          | 0.2                             | 3.2                     | 2.5                        |                       |                          |                       |                         |                          |                            |            |                         | moderate skinning                     |
|                   | NY164                   | 470        | 539                           | 87        | 10        | 86        | 1        | 3                                  | 1.067        | 0         | 10        | 0        | 0                               | 0.7                     | 2.7                        | 3.0                   |                          |                       | 3.0                     |                          |                            |            |                         | moderate skinning                     |
|                   | Red Prairie             | 382        | 433                           | 88        | 12        | 87        | 1        | 0                                  | 1.063        | 0         | 13        | 10       | 0                               | 0.0                     | 3.2                        | 2.2                   |                          |                       | 3.5                     | 2.5                      | 3.3                        | 1.3        |                         | netting, mod skinning                 |
|                   | <b>Dark Red Norland</b> | <b>366</b> | <b>419</b>                    | <b>88</b> | <b>10</b> | <b>88</b> | <b>0</b> | <b>2</b>                           | <b>1.068</b> | <b>1</b>  | <b>7</b>  | <b>0</b> | <b>0</b>                        | <b>0.2</b>              | <b>3.3</b>                 | <b>1.7</b>            |                          |                       | <b>3.2</b>              | <b>3.5</b>               | <b>3.0</b>                 | <b>1.5</b> |                         | <b>gc in pos, variable skin color</b> |
|                   | CO99076-6R              | 359        | 385                           | 93        | 5         | 93        | 0        | 2                                  | 1.076        | 0         | 10        | 0        | 0                               | 0.0                     | 3.5                        | 2.3                   |                          |                       | 3.2                     | 3.2                      | 4.0                        | 1.8        |                         | sticky stolons, dark skin             |
|                   | Cerata                  | 332        | 383                           | 87        | 11        | 87        | 0        | 2                                  | 1.068        | 0         | 7         | 0        | 0                               | 0.2                     | 4.2                        | 3.2                   |                          |                       | 3.3                     | 2.3                      | 4.2                        | 0.0        |                         | lighter skin color                    |
|                   | Roko                    | 280        | 360                           | 78        | 21        | 78        | 0        | 1                                  | 1.074        | 0         | 3         | 3        | 0                               | 0.8                     | 3.7                        | 3.0                   |                          |                       | 2.7                     | 1.8                      | 3.0                        | 0.3        |                         | lighter red skin                      |
|                   | Autumn Rose             | 260        | 406                           | 64        | 33        | 64        | 0        | 3                                  | 1.082        | 0         | 13        | 0        | 0                               | 0.8                     | 4.2                        | 2.0                   |                          |                       | 2.7                     | 2.7                      | 4.0                        | 0.8        |                         | netted skin, misshapen pos            |
|                   | Red Sunset              | 251        | 294                           | 86        | 14        | 85        | 1        | 0                                  | 1.064        | 0         | 17        | 0        | 0                               | 0.0                     | 3.2                        | 2.5                   |                          |                       | 2.8                     | 2.7                      | 2.7                        | 0.7        |                         |                                       |
|                   | WB8893-1R               | 214        | 323                           | 66        | 31        | 66        | 0        | 3                                  | 1.059        | 0         | 3         | 0        | 0                               | 0                       | 3.3                        | 1.0                   |                          |                       | 3.3                     | 3.5                      | 3.7                        | 3.0        |                         | attractive skin and appearance        |
| Isle Royale       | 99                      | 129        | 72                            | 24        | 72        | 0         | 4        | 1.048                              | 0            | 27        | 0         | 0        | 0.0                             | 1.8                     | 2.0                        |                       |                          | 3.5                   | 3.3                     | 2.3                      | 0.7                        |            | attractive red skin     |                                       |
| CO98012-5R        | 80                      | 121        | 66                            | 26        | 66        | 0         | 8        | 1.066                              | 0            | 0         | 0         | 0        | 0.3                             | 2.0                     | 2.5                        |                       |                          | 2.8                   | 3.3                     | 3.0                      | 2.3                        |            | misshapen pos           |                                       |
| <b>MEAN</b>       | <b>342</b>              | <b>408</b> | <b>83</b>                     | <b>15</b> | <b>83</b> | <b>0</b>  | <b>2</b> | <b>1.069</b>                       | <b>0</b>     | <b>9</b>  | <b>1</b>  | <b>0</b> | <b>0.3</b>                      | <b>3.3</b>              | <b>2.3</b>                 |                       |                          | <b>3.1</b>            | <b>2.8</b>              | <b>3.4</b>               | <b>1.2</b>                 |            |                         |                                       |
| ROUND WHITE TYPE  | Bridget                 | 316        | 429                           | 75        | 22        | 75        | 0        | 3                                  | 1.083        | 0         | 27        | 0        | 0                               | 0.2                     | 3.7                        | 2.0                   |                          |                       | 1.7                     |                          |                            |            |                         | rough, netted skin                    |
|                   | AAC Hamer               | 246        | 317                           | 79        | 19        | 79        | 0        | 2                                  | 1.080        | 0         | 20        | 0        | 0                               | 0.7                     | 5.0                        | 1.8                   |                          |                       | 1.7                     |                          |                            |            |                         | poor skin finish                      |
|                   | Libertie                | 229        | 430                           | 53        | 42        | 53        | 0        | 5                                  | 1.072        | 0         | 20        | 0        | 0                               | 0.0                     | 3.0                        | 2.2                   |                          |                       | 3.0                     |                          |                            |            |                         | bright, smooth skin                   |
| <b>MEAN</b>       | <b>264</b>              | <b>392</b> | <b>69</b>                     | <b>28</b> | <b>69</b> | <b>0</b>  | <b>3</b> | <b>1.078</b>                       | <b>0</b>     | <b>22</b> | <b>0</b>  | <b>0</b> | <b>0.3</b>                      | <b>3.9</b>              | <b>2.0</b>                 |                       |                          | <b>2.1</b>            |                         |                          |                            |            |                         |                                       |
| <b>TRIAL MEAN</b> | <b>307</b>              | <b>393</b> | <b>77</b>                     | <b>20</b> | <b>77</b> | <b>0</b>  | <b>3</b> | <b>1.069</b>                       | <b>0</b>     | <b>15</b> | <b>0</b>  | <b>0</b> | <b>0.4</b>                      | <b>3.5</b>              | <b>2.3</b>                 |                       |                          | <b>2.6</b>            | <b>1.8</b>              | <b>3.1</b>               | <b>2.9</b>                 | <b>3.3</b> | <b>1.2</b>              |                                       |

<sup>1</sup>SIZE: Non-russet tablestock  
Bs: < 1 7/8"  
As: 1 7/8" - 3 1/4"  
OV: > 3 1/4"  
PO: Pickouts

<sup>2</sup>SPECIFIC GRAVITY: Data not replicated

<sup>3</sup>RAW TUBER QUALITY (percent of tubers out of 10)  
HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
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<sup>4</sup>COMMON SCAB RATING  
0.0: Complete absence of surface or pitted lesions  
1.0: Presence of surface lesions  
2.0: Pitted lesions on tubers, though coverage is low  
3.0: Pitted lesions common on tubers  
4.0: Pitted lesions severe on tubers  
5.0: More than 50% of tuber surface area covered in pitted lesions

<sup>5</sup>VINE VIGOR RATING  
Date: 6/25/19  
Rating 1-5  
1: Slow emergence  
5: Early emergence

<sup>6</sup>VINE MATURITY RATING  
Date: 8/26/19  
Rating 1-5  
1: Early (vines completely dead)  
5: Late (vigorous vines, some flowering)

<sup>7</sup>WAXINESS RATING  
1: Heavy netting, buff  
5: Waxy, smooth

<sup>8</sup>FLESH COLOR  
1: White  
5: Dark yellow

<sup>9</sup>SKIN COLOR  
1: Light pink  
5: Dark red

<sup>10</sup>UNIFORMITY OF SKIN COLOR  
1: Highly variable, non-uniform  
5: Highly uniform, color throughout

<sup>11</sup>SILVER SCURF  
0: No incidence of silver scurf  
5: High incidence of silver scurf

**FIELD DATA**  
Planting Date: 5/15/19  
Vine Kill Date: 8/26/19  
Harvest Date: 9/10/19  
Days (planting to vine kill): 103  
Days (planting to harvest): 118  
GDD<sub>40</sub> MAWN Station: Fairgrove  
GDD<sub>40</sub> (planting to vine kill): 2781  
Seed Spacing: 10"

# 2019 Tablestock Potato Variety Trial

## Walther Farms

Planting: 5/15/19 Vine Kill: 8/26/19 Harvest: 9/19/19

GDD<sub>40</sub>:

| LINE              | CWT/A                   | PERCENT OF TOTAL <sup>1</sup> |            |           |           |           |          |          | RAW TUBER QUALITY <sup>4</sup> (%) |           |           |          |          |                                 | YELLOW FLESH            |                            | RED SKIN              |                          |                       |                         | COMMENTS   |                          |                            |                                   |
|-------------------|-------------------------|-------------------------------|------------|-----------|-----------|-----------|----------|----------|------------------------------------|-----------|-----------|----------|----------|---------------------------------|-------------------------|----------------------------|-----------------------|--------------------------|-----------------------|-------------------------|------------|--------------------------|----------------------------|-----------------------------------|
|                   |                         | US#1                          | TOTAL      | US#1      | Bs        | As        | OV       | PO       | SP GR <sup>2</sup>                 | HH        | VD        | IBS      | BC       | COMMON SCAB RATING <sup>5</sup> | VINE VIGOR <sup>7</sup> | VINE MATURITY <sup>8</sup> | WAXINESS <sup>7</sup> | FLESH COLOR <sup>8</sup> | WAXINESS <sup>7</sup> | SKIN COLOR <sup>9</sup> |            | UNIFORMITY <sup>10</sup> | SILVER SCURF <sup>11</sup> |                                   |
| YELLOW            | MSV093-1Y               | 437                           | 482        | 91        | 9         | 89        | 2        | 0        | 1.077                              | 0         | 0         | 0        | 0        | 0.0                             | 4.5                     | 3.0                        |                       |                          |                       |                         |            |                          |                            | rougher netted skin               |
|                   | <b>Yukon Gold</b>       | <b>381</b>                    | <b>407</b> | <b>94</b> | <b>6</b>  | <b>94</b> | <b>0</b> | <b>0</b> | <b>1.083</b>                       | <b>30</b> | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0.0</b>                      | <b>4.0</b>              | <b>2.0</b>                 | <b>2.0</b>            | <b>2.0</b>               |                       |                         |            |                          |                            |                                   |
|                   | <b>MEAN</b>             | 409                           | 445        | 93        | 8         | 92        | 1        | 0        | 1.080                              | 15        | 0         | 0        | 0        | 0.0                             | 4.3                     | 2.5                        | 2.0                   | 2.0                      |                       |                         |            |                          |                            |                                   |
| RED SKIN          | <b>Dark Red Norland</b> | <b>370</b>                    | <b>413</b> | <b>90</b> | <b>9</b>  | <b>90</b> | <b>0</b> | <b>2</b> | <b>1.064</b>                       | <b>0</b>  | <b>60</b> | <b>0</b> | <b>0</b> | <b>0.0</b>                      | <b>4.5</b>              | <b>1.5</b>                 |                       |                          | <b>3.5</b>            | <b>3.5</b>              | <b>3.0</b> | <b>3.0</b>               |                            |                                   |
|                   | Red Marker #2           | 340                           | 396        | 86        | 9         | 86        | 0        | 6        | 1.080                              | 0         | 20        | 0        | 0        | 0.5                             | 4.0                     | 3.5                        |                       |                          | 2.5                   | 3.0                     | 3.5        | 2.0                      |                            |                                   |
|                   | MSAA182-3R              | 162                           | 278        | 58        | 40        | 58        | 0        | 1        | 1.075                              | 0         | 10        | 0        | 0        | 0.0                             | 4.0                     | 3.0                        |                       |                          | 2.5                   | 3.0                     | 3.5        | 3.0                      |                            | sticky stolons, darker skin       |
|                   | CO99256-2R              | 145                           | 182        | 79        | 20        | 79        | 0        | 0        | 1.072                              | 0         | 0         | 0        | 0        | 0.0                             | 1.5                     | 3.0                        |                       |                          | 3.5                   | 3.0                     | 3.0        | 3.5                      |                            | round type, attractive skin color |
|                   | <b>MEAN</b>             | 254                           | 317        | 78        | 20        | 78        | 0        | 2        | 1.073                              | 0         | 23        | 0        | 0        | 0.1                             | 3.5                     | 2.8                        |                       |                          | 3.0                   | 3.1                     | 3.3        | 2.9                      |                            |                                   |
| WHITE             | Harmony                 | 208                           | 340        | 61        | 33        | 61        | 0        | 6        | 1.063                              | 0         | 20        | 0        | 0        | 0.5                             | 3.0                     | 3.5                        |                       |                          |                       |                         |            |                          |                            | netted skin                       |
| NOVELTY           | MSZ436-2SPL             | 411                           | 433        | 95        | 5         | 95        | 0        | 0        | 1.061                              | 0         | 20        | 0        | 0        | 0.0                             | 3.5                     | 2.5                        |                       |                          |                       |                         |            |                          |                            |                                   |
| <b>TRIAL MEAN</b> |                         | <b>296</b>                    | <b>361</b> | <b>80</b> | <b>18</b> | <b>80</b> | <b>0</b> | <b>2</b> | <b>1.070</b>                       | <b>0</b>  | <b>19</b> | <b>0</b> | <b>0</b> | <b>0.1</b>                      | <b>3.6</b>              | <b>2.9</b>                 | <b>2.0</b>            | <b>2.0</b>               | <b>3.0</b>            | <b>3.1</b>              | <b>3.3</b> | <b>2.9</b>               |                            |                                   |

<sup>1</sup>SIZE

Non-russet tablestock  
Bs: < 1 7/8"  
As: 1 7/8" - 3 1/4"  
OV: > 3 1/4"  
PO: Pickouts

<sup>2</sup>SPECIFIC GRAVITY

Data not replicated

<sup>3</sup>RAW TUBER QUALITY

(percent of tubers out of 10)  
HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

<sup>4</sup>COMMON SCAB RATING

0.0: Complete absence of surface or pitted lesions  
1.0: Presence of surface lesions  
2.0: Pitted lesions on tubers, though coverage is low  
3.0: Pitted lesions common on tubers  
4.0: Pitted lesions severe on tubers  
5.0: More than 50% of tuber surface area covered in pitted lesions

<sup>5</sup>VINE VIGOR RATING

Date: 6/25/19  
Rating 1-5  
1: Slow emergence  
5: Early emergence

<sup>6</sup>VINE MATURITY RATING

Date: 8/26/19  
Rating 1-5  
1: Early (vines completely dead)  
5: Late (vigorous vines, some flowering)

<sup>7</sup>FIELD DATA

Planting Date 5/15/19  
Vine Kill Date 8/26/19  
Harvest Date 9/19/19  
Days (planting to vine kill) 103  
Days (planting to harvest) 127  
GDD<sub>40</sub> MAWN Station Fairgrove  
GDD<sub>40</sub> (planting to vine kill) 2781  
Seed Spacing 10"

<sup>8</sup>WAXINESS RATING

1: Heavy netting, buff  
5: Waxy, smooth

<sup>9</sup>FLESH COLOR

1: White  
5: Dark yellow

<sup>10</sup>SKIN COLOR

1: Light pink  
5: Dark red

<sup>11</sup>UNIFORMITY OF SKIN COLOR

1: Highly variable, non-uniform  
5: Highly uniform, color throughout

<sup>12</sup>SILVER SCURF

0: No incidence of silver scurf  
5: High incidence of silver scurf