## 2012 Processing Potato Variety Trial

### MSU Montcalm Research Center, Montcalm County, MI

#### Harvest: 20-Sep-12  136 Days

**DD, Base 40**

<table>
<thead>
<tr>
<th>LINE</th>
<th>CWT/A</th>
<th>PERCENT OF TOTAL</th>
<th>CHIP COLOR SCORE</th>
<th>TUBER QUALITY</th>
<th>TOTAL CUT</th>
<th>VINE VIGOR</th>
<th>VINE MATURITY</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NY140</td>
<td>447</td>
<td>492</td>
<td>91 9 85 6 0</td>
<td>1.077 1.0</td>
<td>0 8 0 0 0 10</td>
<td>3.0 4.0</td>
<td>2.0 scab, bright appearance, large tuber size</td>
<td>8 chips with SED</td>
</tr>
<tr>
<td>MSR127-2</td>
<td>440</td>
<td>485</td>
<td>90 10 81 9 0</td>
<td>1.087 1.0</td>
<td>1 2 0 0 0 10</td>
<td>3.0 3.5</td>
<td>0.5 scab</td>
<td>sl SED in 4 chips, 2 chips with internal browning</td>
</tr>
<tr>
<td>MSQ089-1</td>
<td>377</td>
<td>426</td>
<td>88 12 87 1 0</td>
<td>1.073 1.0</td>
<td>0 4 0 0 0 10</td>
<td>3.0 3.5</td>
<td>3.0 scab</td>
<td>SED in 2 chips</td>
</tr>
<tr>
<td>MS165-2Y</td>
<td>356</td>
<td>400</td>
<td>88 12 85 3 0</td>
<td>1.086 1.5</td>
<td>0 1 1 0 0 10</td>
<td>2.5 4.5</td>
<td>0.5 scab, yellow flesh</td>
<td>4 chips with SED, obvious yellow color</td>
</tr>
<tr>
<td>MSQ086-3</td>
<td>353</td>
<td>426</td>
<td>83 16 82 1 1</td>
<td>1.077 1.0</td>
<td>0 5 0 0 0 10</td>
<td>2.5 4.0</td>
<td>2.0 scab, bright appearance, gc in picks</td>
<td>6 chips with SED</td>
</tr>
<tr>
<td>MSL007-B</td>
<td>351</td>
<td>426</td>
<td>82 18 82 0 0</td>
<td>1.076 1.0</td>
<td>0 2 0 0 0 10</td>
<td>2.0 3.5</td>
<td>0.5 scab, heavy netted skin</td>
<td>10 chips with SED</td>
</tr>
<tr>
<td>CO02321-4W</td>
<td>318</td>
<td>401</td>
<td>79 19 79 0 2</td>
<td>1.084 1.0</td>
<td>0 1 0 0 0 10</td>
<td>3.0 1.5</td>
<td>3.0 scab, bright appearance, round tuber type, misshapen tubers in pickouts</td>
<td>6 chips with SED</td>
</tr>
<tr>
<td>NY148</td>
<td>317</td>
<td>448</td>
<td>71 28 69 2 1</td>
<td>1.096 1.0</td>
<td>0 1 0 0 0 10</td>
<td>3.5 4.0</td>
<td>0.0 scab</td>
<td>8 chips with SED</td>
</tr>
<tr>
<td>MSR292-A</td>
<td>315</td>
<td>356</td>
<td>89 11 87 2 0</td>
<td>1.079 1.0</td>
<td>0 5 0 0 0 10</td>
<td>2.5 2.0</td>
<td>2.0 scab</td>
<td>4 chips with tr SED</td>
</tr>
<tr>
<td>W4980-1</td>
<td>313</td>
<td>382</td>
<td>82 17 81 1 1</td>
<td>1.080 1.0</td>
<td>1 1 3 0 0 10</td>
<td>4.0 2.0</td>
<td>2.0 scab, heat necrosis in three tubers</td>
<td>severe SED in many chips</td>
</tr>
<tr>
<td>Snowden</td>
<td>305</td>
<td>423</td>
<td>72 28 70 2 0</td>
<td>1.086 1.0</td>
<td>0 6 0 0 0 10</td>
<td>3.5 3.5</td>
<td>3.0 scab</td>
<td>SED in 2 chips</td>
</tr>
<tr>
<td>Lamoka</td>
<td>297</td>
<td>330</td>
<td>90 7 72 18 3</td>
<td>1.082 1.0</td>
<td>0 8 0 0 0 10</td>
<td>3.0 3.0</td>
<td>gc in pickouts, 1.0 scab</td>
<td>4 chips with SED</td>
</tr>
<tr>
<td>AF4157-6</td>
<td>247</td>
<td>301</td>
<td>82 18 82 0 0</td>
<td>1.083 1.0</td>
<td>0 9 0 0 0 10</td>
<td>2.5 1.5</td>
<td>2.0 scab</td>
<td>clean</td>
</tr>
<tr>
<td>MSN190-2</td>
<td>223</td>
<td>311</td>
<td>71 28 67 4 1</td>
<td>1.091 1.0</td>
<td>0 7 0 0 0 10</td>
<td>2.0 2.0</td>
<td>0.5 scab, misshapen tubers picks</td>
<td>2 chips with sl SED</td>
</tr>
<tr>
<td>MSR169-BY</td>
<td>145</td>
<td>224</td>
<td>65 35 65 0 0</td>
<td>1.072 1.5</td>
<td>1 0 0 0 0 10</td>
<td>2.0 1.5</td>
<td>small tuber type, 0.0 scab</td>
<td>6 chips with SED</td>
</tr>
</tbody>
</table>

**MEAN** | 320 | 389 | 1.082 | 

---

1. **SIZE**
   - Bs: < 1 7/8”
   - VD: Vascular Discoloration
   - As: 1 7/8” - 3.25”
   - OCV: > 3.25”
   - PO: Pickouts
   - BC: Brown Center

2. **TUBER QUALITY**
   - Ratings: 1 - 5
     1: Excellent
     2: Good
     3: Fair
     4: Poor
     5: Very Poor

3. **CHIP COLOR SCORE** - Snack Food Association Scale
   - HH: Hollow Heart
   - VD: Vascular Discoloration
   - As: Assortment
   - OCV: Over Color
   - PO: Pickouts
   - BC: Brown Center

4. **VINE VIGOR RATING**
   - Date Taken: 6-Jun-12
   - Ratings: 1 - 5
     1: Early
     2: Early (vigorous)
     3: Early (vigorous, some flowering)
     4: Early (vigorous, some flowering)
     5: Late

5. **VINE MATURITY RATING**
   - Date Taken: 22-Aug-12
   - Ratings: 1 - 5
     1: Early (vines completely dead)
     2: Late (vigorous, some flowering)

---

**Planted:**

- 7-May-12
  - Vines Killed:
  - 6-Sep-12
  - Days from Planting to Vine Kill:
  - 122
  - Seed Spacing:
  - 10"
  - No Fumigation

**MAWN STATION:**

- Entrican

**Planting to Vine Kill**