

**2011 Processing Potato Variety Trial**  
**Sandyland Farms, Montcalm County, MI**  
 Harvest 12-Oct-11 133 Days  
 DD, Base 40<sup>6</sup> 3036

| LINE        | CWT/A      |            | PERCENT OF TOTAL <sup>1</sup> |    |    |    | SP GR | CHIP SCORE <sup>3</sup> | TUBER QUALITY <sup>2</sup> |    |    |     | TOTAL CUT | VINE VIGOR <sup>4</sup> | VINE MATURITY <sup>5</sup> | COMMENTS | CHIP COMMENTS                         |              |
|-------------|------------|------------|-------------------------------|----|----|----|-------|-------------------------|----------------------------|----|----|-----|-----------|-------------------------|----------------------------|----------|---------------------------------------|--------------|
|             | US#1       | TOTAL      | US#1                          | Bs | As | OV |       |                         | PO                         | HH | VD | IBS |           |                         |                            |          |                                       | BC           |
| Lamoka      | 411        | 449        | 90                            | 10 | 90 | 0  | 0     | 1.077                   | 1.0                        | 0  | 1  | 0   | 0         | 10                      | 4.5                        | 3.0      | tr surface scab                       | sl SED       |
| MSQ070-1    | 346        | 495        | 70                            | 30 | 70 | 0  | 0     | 1.092                   | 1.0                        | 0  | 0  | 0   | 0         | 10                      | 3.0                        | 4.0      | sl surface scab, uniform round tubers | moderate SED |
| MSR159-2    | 344        | 421        | 76                            | 24 | 74 | 2  | 0     | 1.082                   | 1.0                        | 3  | 1  | 0   | 0         | 10                      | 3.0                        | 3.5      | tr surface scab, tr rhizoctonia       | tr SED       |
| MSL007-B    | 335        | 442        | 76                            | 24 | 76 | 0  | 0     | 1.075                   | 1.0                        | 0  | 0  | 0   | 0         | 10                      | 3.0                        | 3.0      | uniform round tubers                  | clean        |
| MSH228-6    | 331        | 382        | 71                            | 28 | 66 | 5  | 1     | 1.072                   | 1.0                        | 7  | 0  | 0   | 1         | 10                      | 4.0                        | 2.5      | oval flat tubers, pinkeye             | sl SED       |
| MSR169-8Y   | 287        | 391        | 72                            | 28 | 71 | 1  | 0     | 1.080                   | 1.0                        | 0  | 0  | 0   | 0         | 10                      | 2.0                        | 3.5      | uniform round tubers                  | tr SED       |
| MSR157-1Y   | 252        | 307        | 82                            | 18 | 82 | 0  | 0     | 1.072                   | 1.0                        | 0  | 1  | 0   | 0         | 10                      | 3.0                        | 2.5      | tr surface scab                       | moderate SED |
| <b>MEAN</b> | <b>329</b> | <b>413</b> | <b>77</b>                     |    |    |    |       | <b>1.078</b>            |                            |    |    |     |           |                         |                            |          |                                       |              |

tr = trace, sl = slight, N/A = not applicable  
 SED = stem end defect, gc = growth crack

|                         |   |  |  |   |                                  |           |
|-------------------------|---|--|--|---|----------------------------------|-----------|
| <u><sup>1</sup>SIZE</u> | <u><sup>2</sup>TUBER QUALITY (number of tubers per total cut)</u> | <u><sup>3</sup>CHIP COLOR SCORE - Snack Food Association Scale</u> | <u><sup>4</sup>VINE VIGOR RATING</u>               | <u><sup>5</sup>VINE MATURITY RATING</u> | Planted:                         | 1-Jun-11  |
| Bs: < 1 7/8"            | HH: Hollow Heart  | (Out of the field)   | Date Taken: 27-Jun-11                              | Date Taken: 2-Sep-11                    | Vines Killed:                    | 15-Sep-11 |
| As: 1 7/8" - 3.25"      | VD: Vascular Discoloration  | Ratings: 1 - 5   | Ratings: 1 - 5                                     | Ratings: 1 - 5                          | Days from Planting to Vine Kill: | 106       |
| OV: > 3.25"             | IBS: Internal Brown Spot  | 1: Excellent   | 1: Slow Emergence                                  | 1: Early (vines completely dead)        | Seed Spacing :                   | 10"       |
| PO: Pickouts            | BC: Brown Center  | 5: Poor  | 5: Early Emergence (vigorous vine, some flowering) | 5: Late (vigorous vine, some flowering) | Fall Fumigation                  |           |

<sup>6</sup>MAWN STATION: Entrican  
 Planting to Vine Kill