### 2014 Chip Processing Potato Variety Trial

Walther Farms, St. Joseph County, MI

**Harvest**: 17-Oct-14  
**169 Days**  
**DD, Base 40°**: 3457

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| NY154      | 903  | 930 | 97    | 3   | 89 | 8  | 0  | 1.079 | 1.5 | 0.0 | 1.3 | 1.0 | 0.0 | 4.1        | 4.1          | 0.0 common scab  
| Sebac      | 871  | 917 | 95    | 1   | 65 | 30 | 4  | 1.079 | 2.5 | 0.5 | 1.5 | 0.3 | 0.0 | 4.8        | 3.8          | 0.0-1.5 common scab; gc and sheep nose in pickouts  
| NYJ15-7    | 833  | 852 | 98    | 2   | 61 | 37 | 0  | 1.079 | 2.5 | 0.3 | 3.3 | 0.5 | 1.3 | 4.5        | 4.4          | 0.0 common scab; round uniform tuber type  
| Elton      | 825  | 838 | 98    | 2   | 64 | 34 | 0  | 1.077 | 2.5 | 0.5 | 0.3 | 0.0 | 0.0 | 4.4        | 3.9          | 0.0 common scab; alligator hide  
| NY152      | 820  | 860 | 96    | 4   | 89 | 7  | 0  | 1.080 | 1.5 | 0.3 | 1.5 | 0.8 | 0.0 | 3.9        | 3.4          | 0.0 common scab; small round uniform tuber type  
| NY148      | 811  | 830 | 98    | 2   | 94 | 4  | 0  | 1.087 | 1.5 | 0.0 | 0.0 | 3.5 | 0.0 | 4.5        | 3.8          | 0.0 common scab  
| BNC182-5   | 806  | 843 | 96    | 4   | 75 | 21 | 0  | 1.088 | 2.0 | 0.0 | 4.3 | 0.0 | 0.0 | 4.5        | 3.8          | 0.0 common scab  
| FL1879     | 791  | 799 | 99    | 1   | 43 | 56 | 0  | 1.080 | 1.0 | 0.8 | 2.3 | 3.3 | 0.5 | 4.5        | 3.4          | 0.0 common scab  
| Snowden    | 791  | 810 | 98    | 2   | 79 | 19 | 0  | 1.085 | 1.5 | 0.3 | 2.8 | 0.3 | 0.5 | 4.5        | 3.3          | 0.0 common scab  
| COO2024-9W | 733  | 774 | 94    | 6   | 93 | 1  | 0  | 1.075 | 1.5 | 0.0 | 1.3 | 0.8 | 0.0 | 4.3        | 3.1          | 0.0 common scab; small tuber type  
| W5955-1    | 717  | 733 | 98    | 2   | 71 | 27 | 0  | 1.086 | 1.0 | 0.5 | 2.3 | 6.0 | 0.3 | 4.6        | 3.9          | 0.0 common scab; severe heat necrosis  
| Manistee   | 715  | 730 | 98    | 2   | 69 | 29 | 0  | 1.090 | 1.0 | 0.0 | 3.0 | 0.3 | 0.0 | 3.5        | 4.1          | 0.0-0.5 common scab  
| MSR127-2   | 706  | 719 | 98    | 2   | 52 | 46 | 0  | 1.082 | 2.5 | 0.0 | 2.3 | 0.0 | 0.0 | 4.0        | 3.3          | 0.0 common scab; tr alligator hide, pinkeye  
| Lamoka     | 704  | 716 | 98    | 2   | 79 | 19 | 0  | 1.091 | 1.0 | 0.0 | 3.3 | 0.3 | 0.3 | 4.5        | 4.0          | 0.0 common scab; s1 alligator hide, oval tuber type  
| W6822-3    | 701  | 731 | 96    | 4   | 79 | 19 | 0  | 1.093 | 1.0 | 0.8 | 1.0 | 8.0 | 0.3 | 4.3        | 3.4          | 0.0 common scab; severe heat necrosis  
| Pike       | 682  | 700 | 97    | 3   | 88 | 9  | 0  | 1.092 | 1.5 | 0.0 | 0.5 | 5.5 | 0.3 | 4.1        | 3.8          | 0.0 common scab; heat necrosis  
| A01143-3C  | 674  | 788 | 85    | 3   | 76 | 9  | 12 | 1.079 | 1.0 | 0.0 | 3.8 | 0.8 | 0.0 | 4.5        | 4.1          | 0.0 common scab; severe sheep nose in pickouts  
| AF4157-6   | 670  | 692 | 97    | 3   | 85 | 12 | 0  | 1.092 | 1.0 | 0.3 | 3.0 | 0.3 | 0.0 | 4.0        | 2.9          | 0.0 common scab; s1 pinkeye  
| W6609-3    | 607  | 654 | 93    | 7   | 88 | 5  | 0  | 1.093 | 1.0 | 0.3 | 2.3 | 1.3 | 0.3 | 4.3        | 3.5          | 0.0 common scab  
| MEAN       | 756  | 785 | 1.085 |  
| LSD0.05    | 102  | 100 | 1.8   | 13.6 | 12.0 | 3.0 | - | - | NS | 1.9 | 1.4 | 0.6 | 0.4 | 0.3 |  

1 SIZE  
Bs: < 1 7/8"  
As: 1 7/8" - 3.25"  
OV: > 3.25"  
PO: Pickouts  
BC: Brown Center  
2 TUBER QUALITY (number of tubers per total cut)  
3 CHIP COLOR SCORE - Snack Food Association Scale  
4 VINE VIGOR RATING  
5 VINE MATURITY RATING

Planted: 1-May-14  
Vines Killed: 4-Sep-14  
Days from Planting to Vine Kill: 126  
Seed Spacing: 10"  
Fumigation

*data not replicated

**Notes:**  
SED = stem end defect, gc = growth crack  
tr = trace, sl = slight, NA = not available

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**Comments:**  
- Few chips with severe SED
- Severe black spot bruising
- Tr black spot bruise
- Nice chip color
- Sticky stolons
- Tr alligator hide, pinkeye
- Severe SED