

## 2014 "Select" Chip Processing Potato Variety Trials Overall Average- Ten Locations

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>						CHIP SCORE <sup>2</sup>	TUBER QUALITY <sup>3</sup>				VINE VIGOR <sup>4</sup>	VINE MATURITY <sup>5</sup>	COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR		HH	VD	IBS	BC				
NY154 <sup>efgj</sup>	668	703	94	4	81	13	1	1.087	1.1	1.5	2.1	0.5	0.0	3.8	4.0	0.0-1.5 common scab	
NYJ15-7 <sup>efgj</sup>	657	678	97	3	70	27	1	1.084	1.8	3.3	2.3	0.1	0.6	3.9	4.2	0.0-2.5 common scab	
<b>FL1879<sup>efj</sup></b>	<b>626</b>	<b>639</b>	<b>98</b>	<b>2</b>	<b>63</b>	<b>35</b>	<b>0</b>	<b>1.078</b>	<b>1.5</b>	<b>1.3</b>	<b>1.4</b>	<b>1.1</b>	<b>0.5</b>	<b>4.2</b>	<b>2.8</b>	<b>0.0-2.0 common scab; misshapened pickouts</b>	
NY152 <sup>efghj</sup>	595	666	88	11	84	5	1	1.081	1.2	1.9	0.9	0.4	0.0	3.7	3.6	0.0-2.5 common scab; small round uniform tuber type	
NY148 <sup>abcdehghj</sup>	574	616	93	7	86	6	0	1.089	1.4	0.0	0.1	0.6	0.1	2.9	3.2	<b>0.0-2.0 common scab; uniform tuber type</b>	
Sebec (AF0338-17) <sup>aeefgj</sup>	568	607	92	5	79	13	1	1.079	1.7	0.9	0.9	0.1	0.0	3.8	3.2	0.0-3.5 common scab	
BNC182-5 <sup>aeefgj</sup>	559	607	91	7	74	17	3	1.084	1.4	2.0	1.1	0.0	0.0	3.4	3.6	<b>0.0-2.5 common scab; misshapen and sheep nose in pickouts</b>	
Elkton <sup>abcdehghj</sup>	503	546	92	4	78	14	4	1.083	1.5	1.9	0.6	0.0	0.0	2.4	2.8	<b>0.0-2.5 common scab; heavy netted skin; oval tuber type; misshapened pickouts</b>	
W6822-3 <sup>efj</sup>	495	550	89	5	72	17	6	1.091	1.0	1.3	1.3	3.3	1.1	3.6	3.0	0.0-1.5 common scab	
A01143-3C <sup>gij</sup>	488	587	82	6	78	4	11	1.079	1.3	0.3	1.9	0.3	0.0	2.5	4.2	0.0-1.5 common scab; severe sheep nose in pickouts	
<b>Snowden<sup>aeefgj</sup></b>	<b>486</b>	<b>530</b>	<b>90</b>	<b>9</b>	<b>82</b>	<b>9</b>	<b>1</b>	<b>1.088</b>	<b>1.3</b>	<b>0.6</b>	<b>2.5</b>	<b>0.1</b>	<b>0.3</b>	<b>2.8</b>	<b>3.2</b>	<b>0.0-3.0 common scab</b>	
Manistee (MSL292-A) <sup>abcdehghj</sup>	480	501	95	4	82	13	1	1.084	1.0	0.4	1.0	0.0	0.0	2.5	2.6	<b>0.0-3.5 common scab; flat round tuber type</b>	
CO03243-3W <sup>i</sup>	478	535	89	10	82	7	1	1.076	1.5	1.7	0.0	0.0	0.3	0.3	4.0	<b>1.5 common scab</b>	
MSR127-2 <sup>bcdhghj</sup>	472	501	94	5	81	13	1	1.088	1.4	0.1	1.3	0.0	0.0	2.8	3.4	<b>0.0-1.0 common scab; uniform round tuber type; sl alligator hide; gc in pickouts</b>	
Lamoka <sup>aeefgj</sup>	468	489	95	5	73	22	1	1.084	1.0	0.0	3.3	0.1	0.1	3.8	3.5	<b>0.0-1.0 common scab; pear shaped pickouts; alligator hide</b>	
W5955-1 <sup>bcdhghj</sup>	457	503	90	6	76	14	4	1.085	1.2	1.4	0.9	0.9	0.4	2.6	3.3	0.0-2.0 common scab; pear shaped in pickouts	
CO02024-9W <sup>efgij</sup>	442	516	84	16	83	1	0	1.077	1.3	0.0	0.5	0.3	0.0	3.3	3.4	<b>0.0-4.0 common scab; small uniform tuber type</b>	
AF4157-6 <sup>i</sup>	439	489	85	13	79	6	2	1.086	1.3	0.2	3.3	0.2	0.0	2.0	2.7	0.0-2.0 common scab; gc and sl pinkeye in pickouts	
<b>Atlantic<sup>i</sup></b>	<b>432</b>	<b>482</b>	<b>90</b>	<b>6</b>	<b>80</b>	<b>10</b>	<b>4</b>	<b>1.087</b>	<b>2.0</b>	<b>4.7</b>	<b>1.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.3</b>	<b>3.0</b>	<b>1.5 common scab</b>	
MSS428-1 <sup>bcdhghj</sup>	423	464	91	6	77	14	3	1.083	1.4	5.2	1.7	0.2	0.2	2.2	2.6	<b>0.0-4.0 common scab; small uniform tuber type</b>	
<b>Pike<sup>ceffj</sup></b>	<b>418</b>	<b>438</b>	<b>95</b>	<b>5</b>	<b>89</b>	<b>6</b>	<b>0</b>	<b>1.084</b>	<b>1.4</b>	<b>0.5</b>	<b>1.4</b>	<b>1.4</b>	<b>0.1</b>	<b>3.0</b>	<b>3.2</b>	<b>0.0-2.5 common scab</b>	
MSS934-4 <sup>bcdhghj</sup>	411	481	85	9	76	9	6	1.077	1.7	0.5	2.2	0.0	0.2	2.6	2.8	<b>0.0-4.0 common scab; gc in pickouts; bright skin</b>	
MSL007-B <sup>i</sup>	389	412	95	5	85	10	0	1.082	1.5	0.0	2.0	0.0	0.0	0.0	4.0	<b>0.5 common scab; heavy netted skin; uniform tuber type</b>	
W6609-3 <sup>efghij</sup>	358	425	82	15	79	3	3	1.086	1.1	0.6	1.5	0.6	0.8	2.9	3.1	<b>0.0-1.0 common scab</b>	
A00188-3C <sup>i</sup>	322	440	74	24	73	1	2	1.084	1.0	0.3	3.0	0.0	0.3	0.3	3.5	<b>0.0 common scab; pear shaped and points in pickouts</b>	
AC01151-5W <sup>i</sup>	321	437	73	25	72	1	2	1.072	1.0	0.7	0.3	1.7	0.7	0.7	4.5	1.5 common scab	
CO02321-4W <sup>i</sup>	281	350	80	19	75	5	1	1.077	1.0	0.0	2.0	0.0	0.0	0.0	3.5	<b>1.5 common scab</b>	
<b>MEAN</b>	<b>474</b>	<b>526</b>						<b>1.083</b>									tr = trace, sl = slight, N/A = not available gc=growth crack

**2014 Chip Variety Trial Sites**

- <sup>a</sup> Crooks Farms; Set #1; Montcalm Co.
- <sup>b</sup> Crooks Farms; Set#2; Montcalm Co.
- <sup>c</sup> Crooks Farms; Set#3; Montcalm Co.
- <sup>d</sup> Crooks Farms; Set#4; Montcalm Co.
- <sup>e</sup> Lennard Ag. Company; St. Joseph Co.
- <sup>f</sup> Main Farms; Montcalm Co.
- <sup>g</sup> MSU Box Bin Trial; Montcalm Co.
- <sup>h</sup> Sandyland Farms; Set #1; Montcalm Co.
- <sup>i</sup> Sandyland Farms; SFA Trial (replicated); Montcalm Co.
- <sup>j</sup> Walther Farms (replicated); St. Joseph Co.

<sup>1</sup>SIZE  
Bs: < 4.0 oz.  
As: 4.0 - 10.0 oz.  
OV: > 10 oz.  
PO: Pickouts

<sup>2</sup>CHIP COLOR SCORE -  
Snack Food Association Scale  
(Out of the field)  
Ratings: 1 - 5  
1: Excellent  
5: Poor

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

<sup>4</sup>VINE VIGOR RATING  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some flowering)

<sup>5</sup>VINE MATURITY RATING  
Ratings: 1 - 5  
1: Early (vines completely dead)  
5: Late (vigorous vine, some flowering)

## 2014 "Select" Processing Potato Variety Trial; Set #1 Crooks Farms, Waterwheel Rd., Montcalm County, MI

Harvest (Group 1) 22-Sep-14 143 Days

DD, Base 40<sup>6</sup> 3032

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							
Group 1	NY 148 Plot	774	827	94	6	93	1	1	1.092	1.0	0	0	0	0	10	2.0	4.5	1.0 common scab	4 SL SED	
	Elkton	616	668	92	3	84	9	5	1.086	1.5	6	0	0	0	10	1.0	3.0	2.5 common scab, misshapen pickouts	4 SED	
	BNC182-5	609	664	92	8	85	7	0	1.088	1.5	5	0	0	0	10	1.5	4.0	pinkeye, 2.5 common scab	4 tr SED	
	Sebec (AF0338-17)	580	635	91	8	78	14	1	1.079	1.0	2	0	0	0	10	2.0	3.0	2.5 common scab, uniform tuber type		
	Manistee	541	552	98	2	80	18	0	1.081	1.0	0	0	0	0	10	1.0	3.0	2.0 common scab, flat round tuber type		
	<b>Snowden</b>	<b>440</b>	<b>457</b>	<b>96</b>	<b>3</b>	<b>87</b>	<b>10</b>	<b>1</b>	<b>1.090</b>	<b>1.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>1.5</b>	<b>3.5</b>	<b>3.0 common scab</b>	<b>1 HH</b>	
Group 2	NY 148 H****	679	752	90	8	88	2	2	1.091	1.0	0	1	0	0	10	2.0	4.0	tr pitted scab	1 SED	
	NY 148 H**	613	669	92	8	86	5	0	1.094	1.0	0	0	0	0	10	2.0	4.0	tr pitted scab, uniform tuber type		
	NY 148 H***	590	628	94	6	88	6	0	1.093	1.0	0	0	0	0	10	2.0	4.0	tr pitted scab, uniform tuber shape		
	<b>Snowden***</b>	<b>415</b>	<b>446</b>	<b>93</b>	<b>7</b>	<b>90</b>	<b>3</b>	<b>0</b>	<b>1.092</b>	<b>1.0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>1.5</b>	<b>3.0</b>	<b>pitted scab</b>		
	NY 148 H*	400	440	91	9	91	0	0	1.087	1.0	0	0	0	0	10	1.5	4.0	tr pitted scab, uniform tuber type		
<b>MEAN</b>		<b>569</b>	<b>613</b>							<b>1.088</b>										

tr = trace, sl = slight, N/A = not applicable

SED = stem end defect, gc = growth crack

<sup>1</sup>SIZE

Bs: < 1 7/8"  
As: 1 7/8" - 3.25"  
OV: > 3.25"  
PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)

HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

<sup>3</sup>CHIP COLOR SCORE -  
Snack Food Association Scale

(Out of the field)  
Ratings: 1 - 5  
1: Excellent  
5: Poor

<sup>4</sup>VINE VIGOR RATING

Date Taken: 3-Jun-14  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some flowering)

<sup>5</sup>VINE MATURITY RATING

Date Taken: 12-Aug-14  
Ratings: 1 - 5  
1: Early (vines completely dead)  
5: Late (vigorous vine, some flowering)

Planted: 2-May-14  
Vines Killed: 2-Sep-14  
Days from Planting to Vine Kill: 123  
Seed Spacing: 10"  
No Fumigation

Harvest Dates

\* 13-Aug-14  
\*\* 22-Aug-14  
\*\*\* 28-Aug-14  
\*\*\*\* 5-Sep-14

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

## 2014 "Select" Processing Potato Variety Trial; Set #2 Crooks Farms, Kleiss Rd., Montcalm County, MI

Harvest 2-Oct-14      139 Days

DD, Base 40<sup>6</sup>      2759

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					
NY148	566	603	93	7	91	2	0	1.087	1.0	0	1	0	1	10	1.5	3.5	2.0 common scab,	1 blackleg
Manistee (MSL292-A)	481	510	94	6	85	9	0	1.081	1.0	1	2	0	0	10	2.0	3.0	2.0 common scab	
Elkton	472	550	86	4	84	2	10	1.085	1.5	0	1	0	0	10	2.0	3.5	oval to oblong tuber type, misshapened pickouts, 0.5 common scab	
MSS428-1	465	482	96	3	85	11	1	1.082	1.0	8	1	1	0	10	1.5	3.5	1.5 common scab, gc in pickouts	severe SED
W5955-1	442	470	93	7	83	10	0	1.085	1.0	0	2	0	1	10	1.5	3.5	2.0 common scab, uniform round tuber type	
MSR127-2	434	457	95	3	95	0	2	1.091	1.0	1	1	0	0	10	1.0	4.0	1.0 common scab	
Lamoka	434	456	95	5	64	31	0	1.082	1.0	0	2	0	0	10	2.0	4.0	1.0 common, pear shaped tubers	
MSS934-4	357	414	86	6	81	5	8	1.072	1.5	0	3	0	0	10	1.5	3.0	3.0 common scab, gc in pickouts	severe VD

**MEAN 456 493**

**1.083**

tr = trace, sl = slight, N/A = not applicable

SED = stem end defect, gc = growth crack

<sup>1</sup>SIZE

Bs: < 1 7/8"  
As: 1 7/8" - 3.25"  
OV: > 3.25"  
PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)

HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

<sup>3</sup>CHIP COLOR SCORE -  
Snack Food Association Scale

(Out of the field)  
Ratings: 1 - 5  
1: Excellent  
5: Poor

<sup>4</sup>VINE VIGOR RATING

Date Taken: 10-Jun-14  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some)

<sup>5</sup>VINE MATURITY RATING

Date T<sub>e</sub>: 13-Aug-14  
Ratings: 1 - 5  
1: Early (vines completely dead)  
5: Late (vigorous vine, some)

Planted: 16-May-14  
Vines Killed: 30-Aug-14  
Days from Planting to Vine Kill: 106  
Seed Spacing: 10"  
No Fumigation

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

## 2014 "Select" Processing Potato Variety Trial; Set #3 Crooks Farms, Nevins Rd., Montcalm County, MI

Harvest 22-Sep-14      118 Days  
DD, Base 40<sup>6</sup>      2474

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							
NY148	630	672	93	7	91	2	0	1.090	1.0	0	0	0	0	10	3.0	3.5	2.0 common scab, sl sticky stolons			
MSR127-2	476	490	97	2	88	9	1	1.091	1.0	0	4	0	0	10	3.0	4.5	1.0 common scab			
Elkton	461	491	94	4	83	11	2	1.088	1.0	0	2	0	0	10	2.0	2.5	2.5 common scab			
W5955-1	433	486	89	5	63	26	6	1.087	1.0	1	0	0	0	10	2.0	4.0	2.0 common scab			
MSS934-4	417	449	93	3	87	6	4	1.077	2.0	0	3	0	0	10	2.5	2.5	4.0 common scab	scab		
MSS428-1	401	421	95	5	81	14	0	1.088	1.0	1	4	0	0	10	2.5	3.0	2.5 common scab	scab		
Manistee (MSL292-A)	383	393	97	3	88	9	0	1.086	1.0	0	0	0	0	10	2.5	2.5	3.5 common scab	scab		
<b>Pike</b>	<b>326</b>	<b>352</b>	<b>93</b>	<b>7</b>	<b>82</b>	<b>11</b>	<b>0</b>	<b>1.091</b>	<b>1.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>1.5</b>	<b>2.5</b>	<b>2.5 common scab</b>			
<b>MEAN</b>		<b>441</b>	<b>469</b>						<b>1.087</b>											

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

<sup>1</sup> SIZE Bs: < 1 7/8" As: 1 7/8" - 3.25" OV: > 3.25" PO: Pickouts	<sup>2</sup> TUBER QUALITY (number of tubers per total cut) HH: Hollow Heart VD: Vascular Discoloration IBS: Internal Brown Spot BC: Brown Center	<sup>3</sup> CHIP COLOR SCORE - <u>Snack Food Association Scale</u> (Out of the field) Ratings: 1 - 5 1: Excellent 5: Poor	<sup>4</sup> VINE VIGOR RATING Date Taken: 23-Jun-14 Ratings: 1 - 5 1: Slow Emergence 5: Early Emergence (vigorous vine, some flowering)	<sup>5</sup> VINE MATURITY RATING Date Taken: 22-Aug-14 Ratings: 1 - 5 1: Early (vines completely dead) 5: Late (vigorous vine, some flowering)	Planted: 27-May-14 Vines Killed: 27-Aug-14 Days from Planting to Vine Kill: 92 Seed Spacing : 10" No Fumigation
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<sup>6</sup>MAWN STATION: Entrican  
Planting to Vine Kill

## 2014 "Select" Processing Potato Variety Trial; Set #4 Crooks Farms, McBride Rd., Montcalm County, MI

Harvest 14-Oct-14      132 Days  
DD, Base 40<sup>6</sup>      2478

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						
MSS428-1	492	511	96	4	81	15	0	1.088	1.0	5	0	0	1	10	3.0	3.5	0.0 common scab, uniform round tuber type		
NY148	490	536	91	9	91	0	0	1.087	1.0	0	0	0	0	10	3.0	3.5	0.0 common scab, uniform round tuber type		
Elkton	487	502	97	3	88	9	0	1.081	1.5	0	0	0	0	10	2.5	4.0	0.0 common scab, uniform oval tubers, netted skin		
W5955-1	466	541	87	9	77	10	4	1.081	1.0	0	0	1	1	10	3.0	3.5	0.0 common scab, knobs and pear shaped tubers in pickouts		
MSS934-4	432	461	93	6	90	3	1	1.075	1.0	0	1	0	0	10	3.5	3.0	1.0 common scab, bright smooth skin appearance		
MSR127-2	363	392	93	7	91	2	0	1.080	1.0	0	1	0	0	10	2.5	5.0	0.0 common scab, uniform round tuber type, 2 tubers with wet break down		
Manistee (MSL292-A)	322	353	91	9	91	0	0	1.074	1.0	0	0	0	0	10	2.5	2.5	0.0 common scab, flattened round tuber type, 6 tubers with wet break down		
<b>MEAN</b>		<b>436</b>	<b>471</b>							<b>1.081</b>									

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

<sup>1</sup>SIZE  
Bs: < 1 7/8"  
As: 1 7/8" - 3.25"  
OV: > 3.25"  
PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)  
HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

<sup>3</sup>CHIP COLOR SCORE -  
Snack Food Association Scale  
(Out of the field)  
Ratings: 1 - 5  
1: Excellent  
5: Poor

<sup>4</sup>VINE VIGOR RATING  
Date Taken: 30-Jun-14  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some flowering)

<sup>5</sup>VINE MATURITY RATING  
Date Taken: 22-Aug-14  
Ratings: 1 - 5  
1: Early (vines completely dead)  
5: Late (vigorous vine, some flowering)

Planted: 4-Jun-14  
Vines Killed: 4-Sep-14  
Days from Planting to Vine Kill: 92  
Seed Spacing : 10"  
No Fumigation

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

# 2014 Processing Potato Variety Trial Lennard Ag., St. Joseph County, MI

Harvest 13-Oct-14      138 Days

DD, Base 40<sup>6</sup>      3121

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>						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	SP GR		HH	VD	IBS	BC					
NYJ15-7	866	886	98	1	58	40	1	1.090	2.0	9	0	0	0	10	4.5	4.0	0.0 common scab, misshapen pickouts, very large oversize tubers	
NY154	748	772	97	0	67	30	3	1.092	1.0	5	0	0	0	10	3.5	3.5	flat round tuber type, 0.0 common scab	
BNC182-5	731	790	93	3	60	33	4	1.083	1.5	3	0	0	0	10	4.5	2.5	0.0 common scab, misshapen and sheep nose in pickouts	
NY152	682	715	96	2	84	12	2	1.080	1.5	6	0	1	0	10	3.5	3.5	uniform round tuber type, 0.0 common scab	
MSS934-1	652	789	82	4	55	27	14	1.084	2.0	3	0	0	0	10	4.5	4.0	misshapen and knobs in pickouts, 0.0 common scab, tuber type not uniform	severe SED
<b>Snowden</b>	<b>647</b>	<b>686</b>	<b>95</b>	<b>5</b>	<b>84</b>	<b>11</b>	<b>0</b>	<b>1.095</b>	<b>1.0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>10</b>	<b>4.0</b>	<b>4.0</b>	<b>0.0 common scab</b>	
<b>FL1879</b>	<b>639</b>	<b>652</b>	<b>98</b>	<b>1</b>	<b>72</b>	<b>26</b>	<b>1</b>	<b>1.083</b>	<b>1.5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>4.0</b>	<b>2.5</b>	<b>0.0 common scab, misshapen pickouts. sl pinkeye</b>	
NY148 Rep 2	629	651	97	3	88	9	0	1.081	1.5	0	0	1	0	10	4.0	4.0	0.0 common scab, uniform round tuber type	SED
Sebec (AF0338-17)	609	633	96	3	76	20	1	1.075	2.0	2	0	0	0	10	4.0	3.5	0.5 common scab,	severe SED
Manistee (MSL292-A)	584	610	96	2	75	21	2	1.083	1.0	0	1	0	0	10	3.5	3.5	1.0 common scab, gc in pickouts	
Lamoka	574	579	99	1	78	21	0	1.083	1.0	0	2	0	0	10	4.0	3.5	0.0 common scab	
MSR127-2	559	585	96	2	70	26	2	1.090	1.5	0	0	0	0	10	3.5	3.0	0.0 common scab, sl pinkeye, uniform round tuber type	
Elkton	508	619	82	2	57	25	16	1.084	1.5	4	0	0	0	10	3.5	2.5	0.0 common scab, oval tuber type, heavy netted skin	
MSS428-1	494	581	85	7	68	17	8	1.079	2.0	9	0	0	0	10	3.5	3.5	0.5 common scab, misshapen pickouts	severe HH, 24 chipped 1 rotten
NY148 Rep 1	469	491	95	5	70	25	0	1.096	1.5	0	0	0	0	10	3.5	2.5	0.5 common scab, uniform tuber type	
W6609-3	469	508	92	7	89	3	1	1.093	1.0	3	0	0	2	10	3.0	3.5	0.0 common scab, misshapen pickouts,	
CO02024-9W	443	515	86	14	86	0	0	1.075	1.5	0	0	0	0	10	4.0	4.5	small uniform tuber type, 0.0 common scab	
W5955-1	441	458	96	2	81	15	2	1.085	1.5	4	0	0	0	10	3.5	4.0	0.0 common scab, tr pear-shaped tubers in pickouts,	
W6822-3	409	513	80	3	52	28	17	1.090	1.0	2	0	2	3	10	3.0	3.0	0.0 common scab, severe knobs in pickouts	
<b>Pike</b>	<b>245</b>	<b>259</b>	<b>94</b>	<b>6</b>	<b>94</b>	<b>0</b>	<b>0</b>	<b>1.072</b>	<b>1.5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>3.0</b>	<b>3.5</b>	<b>0.0 common scab, small uniform tuber type</b>	<b>severe SED</b>
<b>MEAN</b>	<b>570</b>	<b>615</b>						<b>1.085</b>										

tr = trace, sl = slight, NA = not available

SED = stem end defect, gc = growth crack

<sup>1</sup>SIZE  
Bs: < 1 7/8"  
As: 1 7/8" - 3.25"  
OV: > 3.25"  
PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)  
HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

<sup>3</sup>CHIP COLOR SCORE -  
Snack Food Association Scale  
(Out of the field)  
Ratings: 1 - 5  
1: Excellent  
5: Poor

<sup>4</sup>VINE VIGOR RATING  
Date Taken: 27-Jun-14  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some flowering)

<sup>5</sup>VINE MATURITY RATING  
Date Taken: 25-Aug-14  
Ratings: 1 - 5  
1: Early (vines completely dead)  
5: Late (vigorous vine, some flowering)

Planted: 28-May-14  
Vines Killed: 1-Oct-14  
Days from Planting to Vine Kill: 126  
Seed Spacing: 10"  
No Fumigation

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

**2014 Processing Potato Variety Trial**  
**Main Farms, Montcalm County, MI**  
Harvest 24-Sep-14 124 Days  
DD, Base 40<sup>6</sup> 2650

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					
NY154	556	581	96	4	84	12	0	1.079	1.0	0	5	1	0	10	4.5	4.0	1.5 common scab	6 SED
NY148	494	541	92	8	87	5	0	1.096	1.0	0	0	1	0	10	4.0	3.5	2.0 common scab, tr pitted scab	2 severe VD
NY152	483	563	86	14	85	1	0	1.075	1.0	0	3	0	0	10	5.0	4.0	2.5 common scab, small uniform tuber type	4 SED
NYJ15-7	471	492	95	5	78	17	0	1.079	1.5	0	4	0	1	10	3.5	4.0	2.5 common scab	8 SED
<b>FL1879</b>	<b>449</b>	<b>468</b>	<b>96</b>	<b>4</b>	<b>74</b>	<b>22</b>	<b>0</b>	<b>1.071</b>	<b>2.0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>10</b>	<b>4.0</b>	<b>2.5</b>	<b>2.0 common scab</b>	<b>2 SED</b>
Manistee (MSL292-A)	442	457	96	4	86	10	0	1.090	1.0	0	2	0	0	10	4.0	2.0	2.5 common scab	
<b>Pike</b>	<b>420</b>	<b>441</b>	<b>95</b>	<b>5</b>	<b>90</b>	<b>5</b>	<b>0</b>	<b>1.081</b>	<b>1.5</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>3.5</b>	<b>3.0</b>	<b>1.0 common scab</b>	
MSS428-1	418	456	92	6	81	11	2	1.076	1.5	2	3	0	0	10	3.0	2.5	4.0 common scab	10 SED
MSR127-2	417	460	91	7	90	1	2	1.091	1.0	0	2	0	0	10	4.0	3.0	1.0 common scab, gc in pickouts	
Sebec (AF0338-17)	408	430	95	5	94	1	0	1.076	1.5	0	2	0	0	10	4.5	3.0	3.5 common scab	11 SED
BNC182-5	402	431	93	6	85	8	1	1.081	1.0	1	1	0	0	10	4.0	3.5	2.0 common scab	6 SED
W6822-5	374	406	93	6	87	6	1	1.089	1.0	1	3	0	0	10	3.5	2.5	1.5 common scab	
<b>Snowden</b>	<b>372</b>	<b>423</b>	<b>87</b>	<b>12</b>	<b>84</b>	<b>3</b>	<b>1</b>	<b>1.085</b>	<b>1.0</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>4.0</b>	<b>2.5</b>	<b>3.0 common scab</b>	
Elkton	370	389	95	5	89	6	0	1.079	1.0	2	0	0	0	10	3.5	3.0	0.5 common scab	
W5955-1	369	401	92	6	87	5	2	1.084	1.5	0	0	0	0	10	5.0	3.5	1.5 common scab	8 SED
CO02024-9W	358	431	83	17	83	0	0	1.077	1.0	0	0	0	0	10	4.5	3.0	4.0 common scab	6 SED
Lamoka	349	362	97	3	63	34	0	1.073	1.0	0	4	0	0	10	5.0	3.0	1.0 common scab	2 SED
MSS934-4	275	372	74	22	69	5	4	1.070	1.5	0	4	0	0	10	4.0	4.0	2.0 common scab, gc in pickouts	
W6609-3	269	331	81	18	81	0	1	1.081	1.0	0	3	0	0	10	4.0	3.0	1.0 common scab	4 SED
<b>MEAN</b>	<b>405</b>	<b>444</b>						<b>1.081</b>										

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

<sup>1</sup>SIZE  
Bs: < 1 7/8"  
As: 1 7/8" - 3.25"  
OV: > 3.25"  
PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)  
HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

<sup>3</sup>CHIP COLOR SCORE -  
Snack Food Association Scale  
(Out of the field)  
Ratings: 1 - 5  
1: Excellent  
5: Poor

<sup>4</sup>VINE VIGOR RATING  
Date Taken: 25-Jun-14  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some flowering)

<sup>5</sup>VINE MATURITY RATING  
Date Taken: 13-Aug-14  
Ratings: 1 - 5  
1: Early (vines completely dead)  
5: Late (vigorous vine, some flowering)

Planted: 23-May-14  
Vines Killed: 30-Aug-14  
Days from Planting to Vine Kill: 99  
Seed Spacing: 10"  
No Fumigation

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

# 2014 MPIC Box Bin Processing Potato Variety Trial

## MSU Montcalm Research Center, Montcalm County, MI

Harvest date **29-Sep-14**      147 days  
**DD, Base 40<sup>6</sup> 3170**

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>						CHIP SCORE <sup>3</sup>	TUBER QUALITY <sup>2</sup>				TOTAL CUT	VINE VIGOR <sup>4</sup>	VINE MATURITY <sup>5</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR		HH	VD	IBS	BC				
NY152	469	598	78	21	75	3	1	1.088	1.0	3	0	0	0	10	3.0	3.0	1.5 common scab
NY154	465	530	88	10	86	2	2	1.097	1.0	1	2	0	0	10	3.0	4.5	uniform netted skin, 0.0 common scab
Elkton	460	497	93	3	77	16	4	1.090	1.0	5	1	0	0	10	3.0	3.5	oval tuber type
NYJ15-7	457	480	95	4	81	14	1	1.088	1.0	4	2	0	0	10	3.0	4.5	1.0 common scab
W5955-1	439	520	84	5	74	10	11	1.090	1.0	6	1	0	0	10	3.5	3.5	0.5 common scab
MSR127-2	392	434	90	8	86	4	2	1.094	1.0	0	0	0	0	10	3.0	4.5	gc in pickouts
NY148	383	464	82	17	81	1	1	1.098	1.5	0	0	0	0	10	3.5	3.5	1.0 common scab
Manistee (MSL292-A)	370	404	91	6	84	7	3	1.088	1.0	2	0	0	0	10	3.5	3.0	1.0 common scab, flattened tuber shape
Sebec (AF0338-17)	370	421	88	10	88	0	2	1.084	1.5	0	1	0	0	10	3.5	2.5	1.0 common scab
A01143-3C	357	449	79	7	78	1	14	1.077	1.5	1	0	0	0	10	3.0	4.5	gc in pickouts, non-uniform tuber type 0.5 common scab
<b>Snowden</b>	<b>347</b>	<b>418</b>	<b>83</b>	<b>15</b>	<b>79</b>	<b>4</b>	<b>2</b>	<b>1.093</b>	<b>1.0</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>3.0</b>	<b>3.0</b>	1.5 common scab, misshapen pickouts
MSS934-4	330	398	83	11	73	10	6	1.081	2.0	0	2	0	1	10	3.0	3.0	1.5 common scab
W6609-3	306	381	81	14	76	5	5	1.090	1.0	0	0	0	0	10	2.5	3.0	sl pinkeye
Lamoka	281	330	85	12	80	5	3	1.088	1.0	0	5	0	0	10	3.5	3.0	pear shape pickouts, alligator hide, 0.5 common scab, bright skin
MSS428-1	267	334	80	13	67	13	7	N/A	2.0	6	2	0	0	10	2.5	3.0	0.5 common scab
BNC182-5	248	306	81	11	66	15	8	1.081	1.0	1	0	0	0	10	2.5	4.0	
CO02024-9W	242	359	67	33	67	0	0	1.079	1.0	0	0	0	0	10	3.5	3.5	1.5 common scab

**MEAN 364 431**

**1.088**

tr = trace, sl = slight, NA = not available

SED = stem end defect, gc = growth crack

<sup>1</sup>SIZE

Bs: < 1 7/8"  
As: 1 7/8" - 3.25"  
OV: > 3.25"  
PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)

HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

<sup>3</sup>CHIP COLOR SCORE - Snack Food Association Scale

(Out of the field)  
Ratings: 1 - 5  
1: Excellent  
5: Poor

<sup>4</sup>VINE VIGOR RATING

Date Taken: 16-Jun-14  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some flowering)

<sup>5</sup>VINE MATURITY RATING

Date Taken: #####  
Ratings: 1 - 5  
1: Early (vines completely dead)  
5: Late (vigorous vine, some flowering)

Planted: 5-May-14  
Vines Killed: 8-Sep-14  
Days from Planting to Vine Kill: 126  
Seed Spacing: 10"  
No Fumigation

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

# 2014 Processing Potato Variety Trial Sandyland Farms, Montcalm County, MI

Harvest 9-Oct-14 130 Days  
DD, Base 40<sup>6</sup> 2740

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					CHIP SCORE <sup>3</sup>	TUBER QUALITY <sup>2</sup>				TOTAL CUT	VINE VIGOR <sup>4</sup>	VINE MATURITY <sup>5</sup>	COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO		SP GR	HH	VD	IBS					BC
NY152	519	594	87	13	87	0	0	1.084	1.0	0	0	0	0	10	3.0	4.0	
NY148	495	546	91	7	76	15	2	1.080	2.5	0	0	0	0	10	3.0	3.5	severe bruising
MSR127-2	432	471	92	6	79	13	2	1.084	2.0	0	0	0	0	10	3.5	4.5	
Elkton	332	363	91	8	78	13	1	1.075	2.5	0	1	0	0	10	2.5	3.5	sl alligator hide
W6609-3	259	354	74	21	70	4	5	1.082	1.0	0	1	2	2	10	3.0	3.0	
<b>MEAN</b>		<b>407</b>	<b>465</b>						<b>1.081</b>								

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

<sup>1</sup>SIZE  
Bs: < 1 7/8"  
As: 1 7/8" - 3.25"  
OV: > 3.25"  
PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)  
HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

<sup>3</sup>CHIP COLOR SCORE -  
Snack Food Association Scale  
(Out of the field)  
Ratings: 1 - 5  
1: Excellent  
5: Poor

<sup>4</sup>VINE VIGOR RATING  
Date Taken: 30-Jun-14  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some flowering)

<sup>5</sup>VINE MATURITY RATING  
Date Taken: 26-Aug-14  
Ratings: 1 - 5  
1: Early (vines completely dead)  
5: Late (vigorous vine, some flowering)

Planted: 01-Jun-14  
Vines Killed: 12-Sep-14  
Days from Planting to Vine Kill: 103  
Seed Spacing: 10"  
Fumigated

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

# 2014 USPB / SFA Processing Potato Variety Trial

## Sandyland Farms, Montcalm County, MI

Harvest 9-Oct-14 130 Days  
DD, Base 40<sup>6</sup> 2670

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
	US#1	TOTAL	US#1	Bs	As	OV	PO			HH	VD	IBS	BC				
CO03243-3W	478	535	89	10	82	7	1	1.076	1.5	5	0	0	1	30	3.0	4.0	1.5 common scab
CO02024-9W	436	500	87	13	85	2	0	1.077	1.5	0	3	2	0	30	3.0	3.0	1.0 common scab
A01143-3C	433	524	82	10	80	2	8	1.080	1.5	0	6	0	0	30	4.0	4.0	severe sheepnose in pickouts, 1.5 common scab
<b>Atlantic</b>	<b>432</b>	<b>482</b>	<b>90</b>	<b>6</b>	<b>80</b>	<b>10</b>	<b>4</b>	<b>1.087</b>	<b>2.0</b>	<b>14</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>30</b>	<b>3.5</b>	<b>3.0</b>	<b>1.5 common scab</b>
MSL007-B	389	412	95	5	85	10	0	1.082	1.5	0	6	0	0	30	2.0	4.0	uniform tuber type, heavy netted skin, 0.5 common scab
W5955-1	348	417	84	10	73	11	6	1.080	1.5	0	6	0	3	30	3.5	4.0	1.0 common scab
A00188-3C	322	440	74	24	73	1	2	1.084	1.0	1	9	0	1	30	4.0	3.5	0.0 common scab, points and pear shape in pickouts
AC01151-5W	321	437	73	25	72	1	2	1.072	1.0	2	1	5	2	30	2.5	4.5	1.5common scab
<b>Snowden</b>	<b>318</b>	<b>388</b>	<b>82</b>	<b>17</b>	<b>77</b>	<b>5</b>	<b>1</b>	<b>1.079</b>	<b>2.0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>3.0</b>	<b>3.0</b>	<b>2.0 common scab</b>
CO02321-4W	281	350	80	19	75	5	1	1.077	1.0	0	6	0	0	30	3.0	3.5	1.5 common scab
W6609-3	239	320	75	22	73	2	3	1.079	1.5	0	8	0	1	30	3.5	2.5	0.5 common scab
AF4157-6	208	285	73	24	73	0	3	1.079	1.5	0	11	0	0	30	3.5	2.5	2.0 common scab, gc in pickouts
<b>MEAN</b>	<b>350</b>	<b>424</b>						<b>1.079</b>									

tr = trace, sl = slight, NA = not available

SED = stem end defect, gc = growth crack

<sup>1</sup>SIZE  
Bs: < 1 7/8"  
As: 1 7/8" - 3.25"  
OV: > 3.25"  
PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)  
HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

<sup>3</sup>CHIP COLOR SCORE - Snack Food Association Scale (Out of the field)  
Ratings: 1 - 5  
1: Excellent  
5: Poor

<sup>4</sup>VINE VIGOR RATING  
Date Taken: 30-Jun-14  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some flowering)

<sup>5</sup>VINE MATURITY RATING  
Date Taken: 26-Aug-14  
Ratings: 1 - 5  
1: Early (vines completely flowering)  
5: Late (vigorous vine, some flowering)

Planted: 1-Jun-14  
Vines Killed: 8-Sep-14  
Days from Planting to Vine Kill: 99  
Seed Spacing : 10"  
Fall Fumigation

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

# 2014 Chip Processing Potato Variety Trial

## Walther Farms, St. Joseph County, MI

Harvest 17-Oct-14      169 Days

DD, Base 40<sup>6</sup>      3457

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>						SP GR*	CHIP SCORE <sup>3a</sup>	TUBER QUALITY <sup>2</sup>				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					
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	few chips with severe SED	
Elkton	825	838	98	2	64	34	0	1.077	2.0	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	severe black spot bruising	
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	<b>0.0 common scab</b>		
<b>FL1879</b>	<b>791</b>	<b>799</b>	<b>99</b>	<b>1</b>	<b>43</b>	<b>56</b>	<b>0</b>	<b>1.080</b>	<b>1.0</b>	<b>0.8</b>	<b>2.3</b>	<b>3.3</b>	<b>0.5</b>	<b>4.5</b>	<b>3.4</b>	<b>0.0 common scab</b>	<b>one severely bruised tuber</b>	
<b>Snowden</b>	<b>791</b>	<b>810</b>	<b>98</b>	<b>2</b>	<b>79</b>	<b>19</b>	<b>0</b>	<b>1.085</b>	<b>1.5</b>	<b>0.3</b>	<b>2.8</b>	<b>0.3</b>	<b>0.5</b>	<b>4.5</b>	<b>3.3</b>	<b>0.0 common scab</b>	<b>tr black spot bruise</b>	
CO02024-9W	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	nice chip	
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	severe SED	
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; sl alligator hide, oval tuber type	tr black spot bruise	
W6822-3	701	731	96	4	77	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		
<b>Pike</b>	<b>682</b>	<b>700</b>	<b>97</b>	<b>3</b>	<b>88</b>	<b>9</b>	<b>0</b>	<b>1.092</b>	<b>1.5</b>	<b>0.0</b>	<b>0.5</b>	<b>5.5</b>	<b>0.3</b>	<b>4.1</b>	<b>3.8</b>	<b>0.0 common scab; heat necrosis</b>		
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; sl pinkeye	nice chip color	
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	sticky stolons	
<b>MEAN</b>	<b>756</b>	<b>785</b>						<b>1.085</b>										tr = trace, sl = slight, NA = not available
<b>LSD<sub>0.05</sub></b>	<b>102</b>	<b>100</b>		<b>1.8</b>	<b>13.6</b>	<b>12.0</b>	<b>3.0</b>	<b>-</b>	<b>-</b>	<b>NS</b>	<b>1.9</b>	<b>1.4</b>	<b>0.6</b>	<b>0.4</b>	<b>0.3</b>			SED = stem end defect, gc = growth crack

<sup>1</sup>SIZE  
Bs: < 1 7/8"  
As: 1 7/8" - 3.25"  
OV: > 3.25"  
PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)  
HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

<sup>3</sup>CHIP COLOR SCORE -  
Snack Food Association Scale  
(Out of the field)  
Ratings: 1 - 5  
1: Excellent  
5: Poor

<sup>4</sup>VINE VIGOR RATING  
Date Taken: 13-Jun-14  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some flowering)

<sup>5</sup>VINE MATURITY RATING  
Date Taken: 1-Aug-14  
Ratings: 1 - 5  
1: Early (vines completely dead)  
5: Late (vigorous vine, some flowering)

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

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

<sup>1</sup>data not replicated