

2013 Processing Potato Variety Trial
Overall Averages - Ten Locations
Allegan, Branch, Gratiot, Montcalm, & St. Joseph Counties

NUMBER OF LOCATIONS	LINE	CWT/A		PERCENT OF TOTAL ¹				SP GR	CHIP SCORE ³	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS	CHIP COMMENTS	
		US#1	TOTAL	US#1	Bs	As	OV			PO	HH	VD	IBS						BC
4	FL1879	571	596	95	4	82	13	1	1.073	1.5	8	21	0	1	60	2.6	2.7	oval to oblong flattened tuber shape, sl Pinkeye, sl alligator hide	
1	MSS934-4	550	583	94	6	74	20	0	1.083	1.0	0	1	0	0	10	3.0	3.5	common scab susceptible, rhizoctonia	tr SED
1	A01143-3C	505	553	91	5	84	7	4	1.076	1.0	0	4	0	0	30	4.5	1.5	common scab resistant	tr SED
1	FL1833	479	501	96	4	84	12	0	1.076	1.5	0	3	0	0	10	4.0	3.5	common scab susceptible, large tuber type, light yellow flesh	
5	MSS165-2Y	442	547	79	18	77	2	3	1.082	1.4	3	6	0	0	60	2.6	3.2	sticky stolons, heavy netted skin, knobs and gc in pickouts	tr SED
1	NY140	426	486	88	11	84	4	1	1.076	1.0	0	1	0	0	30	3.5	1.5	common scab susceptible	
9	MSL292-A	426	460	91	7	82	9	2	1.077	1.2	4	16	1	0	130	2.4	2.7	heavy netted skin, flattened apical to stem end, common scab susceptible	
5	MSM246-B	419	454	92	7	87	5	1	1.081	1.0	0	9	0	0	60	2.4	2.9	flat round tuber type, light netted skin, common scab tolerant	
1	CO03243-3W	417	474	88	11	83	5	1	1.078	1.0	0	1	0	0	30	3.0	1.5	common scab susceptible	
10	NY148	413	472	87	12	84	3	1	1.083	1.0	2	21	1	0	150	2.4	2.8	sl common scab, medium netted skin, nice uniform size, tr sticky stolons, common scab tolerant	sl SED
6	MSL007-B	407	457	88	11	85	3	1	1.074	1.1	3	18	2	0	90	2.0	2.8	heavy netted skin, uniform tuber type, common scab tolerant	sl SED
2	BNC182-5	406	479	85	13	81	4	2	1.084	1.8	0	3	0	0	30	1.8	2.6	common scab tolerant, nice size profile	severe SED
8	Lamoka	404	432	93	5	79	14	2	1.079	1.4	3	26	0	1	90	2.7	2.5	oval tuber shape, points and knobs in pickouts, common scab tolerant	
9	W5955-1	397	448	88	9	75	13	3	1.080	1.0	21	27	3	2	120	3.0	2.4	uniform tuber type, misshapen and points in pickouts, tr Pinkeye, common scab tolerant	
2	Atlantic	394	440	89	10	84	5	1	1.091	1.3	5	4	0	0	40	3.3	1.5	common scab susceptible	sl SED
2	AF0338-17	386	447	87	10	79	8	3	1.072	1.0	0	3	0	0	40	1.3	1.8	common scab susceptible	severe scab
6	Snowden	372	425	86	13	80	6	1	1.080	1.1	5	16	2	2	100	2.9	2.6	uniform round tuber type, common scab susceptible	

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NUMBER OF LOCATIONS	LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	CHIP SCORE ³	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS	CHIP COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO			HH	VD	IBS	BC					
6	Pike	368	401	92	7	85	7	1	1.078	1.0	5	5	0	2	70	2.2	2.3	knobs in pickouts, tr growth cracks, common scab resistant	sl SED
8	MSR127-2	361	412	87	10	81	6	3	1.079	1.1	2	10	0	0	90	2.8	2.8	flat oval tuber type, gc in pickouts, common scab resistant	tr SED
4	MSN190-2	337	410	81	19	79	2	0	1.087	1.0	3	2	0	0	40	2.4	3.0	heavy netted skin type, uniform tuber size, common scab resistant	
8	NY153	329	404	80	16	78	2	4	1.080	1.3	18	14	0	0	90	2.8	2.9	tr deep apical eye, misshapen in pickouts, common scab resistant	SED
2	Elkton	320	374	85	15	84	1	0	1.087	1.5	0	7	0	0	40	1.3	2.6	common scab tolerant	tr VD
1	CO00197-3W	313	440	72	22	71	1	6	1.073	1.5	0	5	3	1	30	3.5	1.5	common scab susceptible	sl SED
9	A00188-3C	279	391	71	23	70	1	6	1.078	1.2	3	22	0	0	120	3.9	2.3	small tuber size, pointed and knobby in pickouts, sl Pinkeye, common scab resistant	SED
6	W6609-3	278	390	69	29	69	0	2	1.079	1.0	0	9	1	3	90	2.8	2.6	gc and misshapen in pickouts, bright skin appearance, comon scab resistant	tr VD
6	CO02321-4W	274	364	75	25	74	1	0	1.079	1.3	0	14	1	0	90	2.8	2.5	small uniform round tuber type, tr sticky stolons, common scab susceptible	tr SED, tr VD
6	AC01151-5W	273	378	72	25	72	0	3	1.070	1.4	2	19	3	0	90	2.6	2.6	heavy tuber set, moderate Pinkeye, alligator hide, common scab susceptible	tr VD, tr SED
2	AF4157-6	270	378	71	29	71	0	0	1.070	1.0	0	5	0	0	40	2.3	1.5	common scab susceptible	severe scab
1	MSR061-1	270	360	75	24	75	0	1	1.076	1.0	0	2	0	0	30	3.5	1.5	common scab tolerant, tr of pitting	
4	MSR169-8Y	269	343	76	22	73	3	2	1.076	1.3	1	14	0	0	50	1.8	3.3	bright yellow flesh, netted skin, uniform tuber shape, common scab resistant	sl SED
1	W6483-5	232	306	72	23	68	4	5	1.064	1.0	0	3	0	0	30	4.0	1.5	common scab susceptible	
2	W4980-1	214	295	73	27	71	2	0	1.075	1.0	0	5	3	0	40	3.0	1.8	common scab susceptible	tr SED
1	W2978-3	41	173	24	76	24	0	0	1.066	1.0	0	1	0	0	10	2.0	1.5	common scab susceptible, small tuber size	
MEAN		359	426						1.078										

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

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

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

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

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

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

2013 Processing Potato Variety Trial

County Line Farms, Allegan County, MI

Harvest 8-Oct-13 126 Days
DD, Base 40⁶ 2753

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	CHIP SCORE ³	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS	CHIP COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO			HH	VD	IBS	BC						
W5955-1	483	509	94	5	76	18	1	1.078	1.0	8	1	0	0	10	2.5	3.0	uniform round tuber type, netted skin	tr HH	
MSS165-2Y	471	588	80	13	80	0	7	1.083	1.5	0	1	0	0	10	2.5	2.5	large tuber set, misshapen and knobs in pickouts, medium yellow flesh	SED	
FL1879	458	477	96	4	94	2	0	1.066	1.5	3	1	0	0	10	2.5	2.5	oval tuber type	tr HH	
NY153	414	456	90	9	85	5	1	1.080	1.0	4	0	0	0	10	2.5	2.5	smooth tuber skin, deep apical eye		
Pike	412	431	95	4	84	11	1	1.079	1.0	1	0	0	0	10	1.5	1.5	0.5 common scab, tr gc, tr pear shape		
MSM246-B	389	408	95	4	90	5	1	1.077	1.0	0	0	0	0	10	2.0	3.0	flat round tuber type		
MSL292-A	366	381	97	2	94	3	1	1.078	1.0	1	0	0	0	10	2.0	2.0	flat round tuber type, netted skin		
AC01151-5W	339	464	73	19	73	0	8	1.069	1.5	0	3	0	0	10	2.5	2.0	1.0 common scab, heavy tuber set, sl Pinkeye		
CO02321-4W	333	389	85	15	84	1	0	1.077	1.0	0	0	0	0	10	2.5	2.0	small uniform round tuber type		
NY148 - Rep 2	309	338	92	8	92	0	0	1.075	1.0	0	2	0	0	10	1.5	3.0		tr SED	
MSL007-B	296	327	91	8	89	2	1	1.066	1.0	0	0	0	0	10	2.0	3.0	uniform tuber size and type	tr SED	
Lamoka	293	299	98	2	98	0	0	1.079	1.0	0	3	0	0	10	2.5	2.0	oval oblong tuber type		
A00188-3C	285	355	80	20	80	0	0	1.075	1.0	0	2	0	0	10	3.5	2.5	1.5 Pinkeye, small tuber size	tr VD	
MSN190-2	284	324	88	12	88	0	0	1.073	1.0	2	0	0	0	10	2.5	2.5	uniform round tuber type		
Snowden	282	295	96	4	90	6	0	1.078	1.0	3	1	0	0	10	2.5	3.0	uniform round tuber type		
W6609-3	260	388	67	32	67	0	1	1.076	1.0	0	2	0	1	10	2.5	3.0	0.5 common scab, large tuber set, small size, gc, alligator hide		
MSR127-2	230	269	86	8	84	2	6	1.074	1.0	0	2	0	0	10	2.0	3.0	tr alligator hide		
NY148	126	165	77	18	77	0	5	1.074	1.0	2	0	1	0	10	2.0	2.5	plot damage by drive row		
MEAN	335	381						1.075											tr = trace, sl = slight, NA = not available

SED = stem end defect, gc = growth crack

¹ SIZE	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:	4-Jun-13
Bs: < 1 7/8"	HH: Hollow Heart	(Out of the field)	Date Taken: 28-Jun-13	Date Taken: 28-Aug-13	Vines Killed:	10-Sep-13
As: 1 7/8" - 3.25"	VD: Vascular Discoloration	Ratings: 1 - 5	Ratings: 1 - 5	Ratings: 1 - 5	Days from Planting to Vine Kill:	98
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)	No Fumigation	

⁶MAWN STATION: Hastings Planting to Vine Kill

2013 "Select" Processing Potato Variety Trial
Crooks Farms, Polk Rd., Gratiot County, MI
 Harvest 22-Aug-13 110 Days
 DD, Base 40⁶ 2800

LINE	CWT/A		PERCENT OF TOTAL ¹				SP GR	CHIP SCORE ³	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS	CHIP COMMENTS		
	US#1	TOTAL	US#1	Bs	As	OV			PO	HH	VD	IBS						BC	
BNC182-5	413	502	82	15	74	8	3	1.087	1.0	0	1	0	0	10	1.5	2.5	3.0 common scab, nice size profile		
Atlantic	393	448	88	11	85	3	1	1.098	1.0	0	1	0	0	10	3.0	1.5	3.0 common scab, one rotten tuber		
NY148	331	427	79	21	72	7	0	1.086	1.0	0	0	0	0	10	1.5	3.0	2.0 common scab slight incidence, nice size profile	nice chip quality	
AF0338-17	318	360	88	12	73	15	0	1.073	1.0	0	0	0	0	10	1.0	1.5	4.0 common scab	severe scab	
Elkton	316	372	85	15	83	2	0	1.096	1.0	0	1	0	0	10	1.0	2.5	1.5 common scab	nice chip quality	
AF4157-6	216	341	63	37	63	0	0	1.067	1.0	0	2	0	0	10	1.5	1.0	4.0 common scab, small size profile	severe scab	
W4980-1	198	297	67	33	67	0	0	1.074	1.0	0	2	3	0	10	2.5	2.0	2.5 common scab	1 tuber with heat necrosis	
W2978-3	41	173	24	76	24	0	0	1.066	1.0	0	1	0	0	10	2.0	1.5	2.5 common scab, 3 tubers with heat necrosis	small tuber size	
MEAN	278	365						1.081											tr = trace, sl = slight, N/A = not applicable SED = stem end defect, gc = growth crack

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

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

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

⁴VINE VIGOR RATING: Date Taken: 30-May-13 Ratings: 1 - 5
 1: Slow Emergence 5: Early Emergence (vigorous vine, some flowering)

⁵VINE MATURITY RATING: Date Taken: 22-Aug-13 Ratings: 1 - 5
 1: Early (vines completely dead) 5: Late (vigorous vine, some flowering)

Planted: 4-May-13
 Vines Killed: 22-Aug-13
 Days from Planting to Vine Kill: 110
 Seed Spacing: 10"
 No Fumigation

⁶MAWN STATION: Entrican Planting to Vine Kill

2013 "Select" Processing Potato Variety Trial
Crooks Farms, Nevins Rd., Montcalm County, MI
 Harvest 12-Sep-13 126 Days
 DD, Base 40⁶ 2691

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	CHIP SCORE ³	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS	CHIP COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO			HH	VD	IBS	BC						
MSL292-A	479	509	94	6	89	5	0	1.082	1.0	0	0	0	0	10	2.0	1.5	0.0 common scab, flat apical to stem end		
NY148	457	529	86	14	86	0	0	1.088	1.0	0	1	0	0	10	2.5	1.5	0.0 common scab		
Lamoka	429	481	89	7	70	19	4	1.082	1.0	2	3	0	0	10	2.5	1.5	0.0 common scab, knobs and points in pickouts		
Pike	337	388	87	13	87	0	0	1.087	1.0	0	0	0	0	10	3.5	1.0	0.0 common scab		
W5955-1	331	399	83	14	81	2	3	1.081	1.0	0	1	0	0	10	3.0	1.0	0.0 common scab, points in pickouts		
A00188-3C	306	373	82	18	82	0	0	1.085	1.5	0	1	0	0	10	4.0	1.0	0.5 common scab, small tuber size profile	sl SED	
MSR127-2	278	336	83	15	79	4	2	1.079	1.0	0	1	0	0	10	2.5	1.5	0.0 common scab, gc in pickouts, oval shape		
NY153	254	344	74	23	74	0	3	1.087	1.0	1	1	0	0	10	2.5	1.0	0.0 common scab, not uniform tuber type		
MEAN	359	420						1.084											

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

¹ SIZE	² TUBER QUALITY (number of tubers per total cut)	³ CHIP COLOR SCORE - Snack Food Association Scale (Out of the field)	⁴ VINE VIGOR RATING	⁵ VINE MATURITY RATING	Planted:	9-May-13
Bs: < 1 7/8"	HH: Hollow Heart	Ratings: 1 - 5	Date Taken: 11-Jun-13	Date Taken: 27-Aug-13	Vines Killed:	22-Aug-13
As: 1 7/8" - 3.25"	VD: Vascular Discoloration	1: Excellent	Ratings: 1 - 5	Ratings: 1 - 5	Days from Planting to Vine Kill:	105
OV: > 3.25"	IBS: Internal Brown Spot	5: Poor	1: Slow Emergence	1: Early (vines completely dead)	Seed Spacing :	10"
PO: Pickouts	BC: Brown Center		5: Early Emergence (vigorous vine, some flowering)	5: Late (vigorous vine, some flowering)	No Fumigation	
						⁶ MAWN STATION: Entrican Planting to Vine Kill

2013 "Select" Processing Potato Variety Trial
Crooks Farms, Musson Rd., Montcalm County, MI
Harvest 17-Sep-13 120 Days
DD, Base 40⁶ 2033

LINE	CWT/A		PERCENT OF TOTAL ¹						SP GR	CHIP SCORE ³	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS	CHIP COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	HH			VD	IBS	BC						
NY148	505	535	95	5	90	5	0	1.082	1.0	0	2	0	0	10	2.5	3.0	2.5 common scab		
MSL292-A	464	477	97	3	97	0	0	1.069	1.0	0	2	0	0	10	2.5	3.0	4.0 common scab		
A00188-3C	423	495	85	13	85	0	2	1.081	1.0	1	2	0	0	10	3.5	3.0	1.5 common scab		
MSR127-2	410	435	94	6	94	0	0	1.082	1.0	0	1	0	0	10	3.0	2.5	2.0 common scab		
W5955-1	389	422	92	3	69	23	5	1.085	1.0	4	4	0	0	10	2.5	2.5	1.5 common scab, misshapen in pickouts		
Lamoka	388	401	97	0	78	19	3	1.078	1.0	1	2	0	0	10	2.0	3.5	1.5 common scab		
NY153	328	396	83	16	83	0	1	1.078	1.0	0	2	0	0	10	3.0	3.5	2.5 common scab		
Pike	306	331	92	7	83	9	1	1.075	1.0	1	4	0	0	10	2.5	2.0	2.0 common scab		
MEAN		402	436					1.079											

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

SED = stem end defect, gc = growth crack

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

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

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

⁴VINE VIGOR RATING
Date Taken: 18-Jun-13
Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁵VINE MATURITY RATING _____
Date Taken: 27-Aug-13
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

Planted: 20-May-13
Vines Killed: 3-Aug-13
Days from Planting to Vine Kill: 75
Seed Spacing: 10"
No Fumigation

⁶MAWN STATION: Entrican
Planting to Vine Kill

2013 "Select" Processing Potato Variety Trial Crooks Farms, Deaner Rd., Montcalm County, MI

Harvest 4-Oct-13 122 Days
DD, Base 40⁶ 2894

LINE	CWT/A		PERCENT OF TOTAL ¹						SP GR	CHIP SCORE ³	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS	CHIP COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	HH			VD	IBS	BC						
MSL292-A	495	516	96	4	79	17	0	1.074	1.5	1	2	1	0	10	4.0	4.0	0.0 common scab, flat round tuber type		
FL1833	479	501	96	4	84	12	0	1.076	1.5	0	3	0	0	10	4.0	3.5	2.5 common scab, large tuber type, light yellow flesh		
NY148	452	479	94	6	89	5	0	1.079	1.0	0	0	0	0	10	3.5	4.5	0.0 common scab, flattened round tuber		
MSR127-2	451	492	92	8	78	14	0	1.082	1.0	1	0	0	0	10	4.5	4.5	0.0 common scab, flat oval tuber type		
W5955-1	439	482	91	9	85	6	0	1.079	1.0	0	5	0	0	10	4.0	4.0	0.0 common scab, uniform tuber type		
Lamoka	402	409	98	2	51	47	0	1.077	1.5	0	3	0	1	10	3.5	4.0	0.0 common scab, pear shape tuber		
NY153	337	394	85	15	84	1	0	1.081	1.5	2	2	0	0	10	4.0	3.5	0.0 common scab, tr deep apical eye		
A00188-3C	296	394	75	25	75	0	0	1.078	1.5	0	1	0	0	10	4.5	3.5	0.0 common scab, small tuber size		
MEAN		419	459					1.078											

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

¹ SIZE	² TUBER QUALITY (number of tubers per total cut)	³ CHIP COLOR SCORE - Snack Food Association Scale (Out of the field)	⁴ VINE VIGOR RATING
Bs: < 1 7/8"	HH: Hollow Heart	Ratings: 1 - 5	Date Taken: 8-Jul-13
As: 1 7/8" - 3.25"	VD: Vascular Discoloration	1: Excellent	Ratings: 1 - 5
OV: > 3.25"	IBS: Internal Brown Spot	5: Poor	1: Slow Emergence
PO: Pickouts	BC: Brown Center		5: Early Emergence (vigorous vine, some flowering)

⁵ VINE MATURITY RATING	Planted:	4-Jun-13
	Vines Killed:	18-Sep-13
	Days from Planting to Vine Kill:	106
	Seed Spacing :	10"
	No Fumigation	

⁶MAWN STATION: Entrican
Planting to Vine Kill

2013 Processing Potato Variety Trial

Lennard Ag., St. Joseph County, MI

Harvest **23-Sep-13** 139 Days
DD, Base 40⁶ 3321

LINE	CWT/A		PERCENT OF TOTAL ¹						CHIP SCORE ³	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS	CHIP COMMENTS		
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR		HH	VD	IBS	BC							
FL1879	887	920	97	1	48	49	2	1.082	1.5	4	2	0	0	10	3.0	2.5	3.0	common scab		
MSL292-A	704	719	98	2	47	51	0	1.082	1.0	2	3	0	0	10	2.0	3.0		2.5 common scab, tr sheep nose, flat apical to stem end		
MSS165-2Y	683	751	91	4	81	10	5	1.085	1.5	3	4	0	0	10	2.0	3.0		0.0 common scab, knobs and gc in pickouts		
W5955-1	633	665	95	4	49	46	1	1.076	1.0	2	2	1	2	10	3.5	2.5		0.5 common scab		
MSM246-B	575	620	93	5	83	10	2	1.088	1.0	0	1	0	0	10	2.0	3.0		2.5 common scab		
Snowden	575	618	93	5	67	26	2	1.087	1.0	1	0	0	1	10	3.0	3.0	2.5	common scab		
Lamoka	530	554	95	4	75	20	1	1.078	1.5	0	2	0	0	10	3.0	2.5		0.0 common scab, oval tuber shape, points in some tubers		
MSL007-B	483	553	87	10	80	7	3	1.073	1.0	3	2	0	0	10	2.0	2.5		heavy netted skin	sl SED	
MSR127-2	464	548	85	8	58	27	7	1.080	1.0	0	3	0	0	10	3.0	2.5		gc in pickouts	tr SED	
W6609-3	457	544	84	13	83	1	3	1.083	1.0	0	1	0	1	10	3.0	3.0		0.0 common scab,gc in pickouts	tr VD	
Pike	423	476	89	10	86	3	1	1.076	1.0	0	0	0	0	10	3.0	2.0	0.0	common scab	sl SED	
NY148	422	486	86	14	79	7	0	1.085	1.5	0	3	0	0	10	2.0	3.0		netted skin	tr SED	
NY153	408	497	83	9	77	6	8	1.079	1.0	4	2	0	0	10	2.5	2.5		0.0 common scab, misshapen in pickouts		
A00188-3C	366	473	77	15	75	2	8	1.074	1.0	0	0	0	0	10	4.0	2.5		0.0 common scab, sl Pinkeye, misshapen and knobby tubers in pickouts	severe SED	
MSR169-8Y	355	397	89	11	78	11	0	1.077	1.0	0	2	0	0	10	1.5	3.5		one tuber with Pinkeye		
MSN190-2	331	384	86	13	77	9	1	1.084	1.0	0	2	0	0	10	2.0	3.0		0.5 common scab		
CO02321-4W	294	410	72	27	70	2	1	1.082	1.0	0	2	0	0	10	3.0	3.0		2.5 common scab	sl VD	
AC01151-5W	247	318	78	19	78	0	3	1.068	1.5	0	2	0	0	10	2.5	3.0		0.5 common scab, misshapen pickouts	sugar in 2 chips	
MEAN	491	552						1.080												

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

¹ SIZE	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:	7-May-13
Bs: < 1 7/8"	HH: Hollow Heart	(Out of the field)	Date Taken: 5-Jun-13	Date Taken: 16-Aug-13	Vines Killed:	5-Sep-13
As: 1 7/8" - 3.25"	VD: Vascular Discoloration	Ratings: 1 - 5	Ratings: 1 - 5	Ratings: 1 - 5	Days from Planting to Vine Kill:	121
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)	No Fumigation	
					⁶ MAWN STATION: Coldwater	
					Planting to Vine Kill	

2013 Processing Potato Variety Trial

Main Farms, Montcalm County, MI

Harvest 13-Sep-13 128 Days
DD, Base 40⁷ 2945

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	CHIP SCORE ³	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMON SCAB RATING ⁶	COMMENTS	CHIP COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO			HH	VD	IBS	BC							
NY148	731	786	94	6	93	1	0	1.084	1.0	0	0	0	0	10	3.0	2.5	0.0	medium netted skin, uniform tuber size, tr of sticky stolons		
MSL007-B	581	621	94	6	83	11	0	1.069	1.0	0	0	2	0	10	2.5	3.5	0.5	nice uniform tuber type, heavy netted skin, 2 tubers with wet breakdown		
FL1879	550	570	97	2	94	3	1	1.071	1.0	0	0	0	0	10	3.0	2.5	0.0	oval to oblong flattened tuber shape, sl Pinkeye, sl alligator hide		
MSM246-B	540	568	96	4	88	8	0	1.072	1.0	0	1	0	0	10	3.5	3.0	0.5	light netted skin, flat apical to stem		
Lamoka	526	558	94	4	88	6	2	1.074	1.0	0	1	0	0	10	3.0	0.0	0.0	oblong tuber shape		
MSS165-2Y	504	602	84	13	84	0	3	1.076	1.0	0	1	0	0	10	3.5	3.5	0.0	sticky stolons, heavy netted skin		
Snowden	490	534	92	8	86	6	0	1.074	1.0	1	0	1	0	10	4.0	3.5	1.5			
MSN190-2	483	542	89	10	89	0	1	1.092	1.0	1	0	0	0	10	2.5	3.5	0.0	heavy netted skin type, uniform tuber size		
NY153	474	519	92	7	86	6	1	1.083	1.0	7	0	0	0	10	2.5	4.0	0.5	severe sticky stolons, blocky tuber type		
Pike	399	424	94	4	76	18	2	1.074	1.0	3	0	0	2	10	1.5	3.5	0.0	knobs in pickouts, tr growth cracks		
MSL292-A	395	422	94	6	91	3	0	1.070	1.0	0	1	0	0	10	3.0	3.0	0.0	heavy netted skin, flattened apical to stem end		
MSR127-2	381	428	89	9	88	1	2	1.073	1.0	1	0	0	0	10	3.0	3.5	1.0	severe gc in pickouts		
W5955-1	357	393	91	9	81	10	0	1.079	1.0	6	0	2	0	10	3.5	3.0	0.0	tr Pinkeye, 2 rotten tubers		
W6609-3	356	507	70	28	70	0	2	1.073	1.0	0	4	1	1	10	3.5	3.0	0.5	pointed and knobby tubers in pickouts, bright skin appearance		
MSR169-8Y	350	397	88	10	88	0	2	1.068	1.0	1	1	0	0	10	2.5	3.5	0.0	bright yellow flesh, netted skin, uniform tuber shape	sl SED	
CO02321-4W	291	369	79	21	79	0	0	1.066	1.0	0	0	1	0	10	3.5	3.5	0.5	sticky stolons, 2 tubers with wet breakdown		
AC01151-5W	210	296	71	25	71	0	4	1.063	1.0	1	0	1	0	10	3.5	3.0	2.0	sticky stolons, severe Pinkeye, severe alligator skin, 4 rotten tubers	sl SED	
A00188-3C	208	302	69	30	69	0	1	1.075	1.0	2	0	0	0	10	4.5	3.0	0.5	small tuber size		
MEAN	435	491						1.074												

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

SED = stem end defect, gc = growth crack

¹ SIZE	² TUBER QUALITY (number of tubers per total cut)	³ CHIP COLOR SCORE - Snack Food Association Scale (Out of the field)	⁴ VINE VIGOR RATING	⁵ VINE MATURITY RATING	⁶ COMMON SCAB RATING	Planted:	08-May-13
Bs: < 1 7/8"	HH: Hollow Heart		Date Taken: 11-Jun-13	Date Taken: 20-Aug-13	0.0: No incidence	Vines Killed:	29-Aug-13
As: 1 7/8" - 3.25"	VD: Vascular Discoloration	Ratings: 1 - 5	Ratings: 1 - 5	Ratings: 1 - 5	1.0: Moderate Surface Scab	Days from Planting to Vine Kill:	113
OV: > 3.25"	IBS: Internal Brown Spot	1: Excellent	1: Slow Emergence	1: Early (vines completely dead)	2.0: Trace of Pitted Scab	Seed Spacing:	10"
PO: Pickouts	BC: Brown Center	5: Poor	5: Early Emergence (vigorous vine, some flowering)	5: Late (vigorous vine, some flowering)	5.0: Severe Pitted Scab	No Fumigation	
						⁷ MAWN STATION: Entrican	
						Planting to Vine Kill	

2013 MPIC Box Bin Processing Potato Variety Trial

MSU Montcalm Research Center, Montcalm County, MI

Harvest 2-Oct-13 149 Days
DD, Base 40⁶ 3320

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	CHIP SCORE ³	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS	CHIP COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO			HH	VD	IBS	BC					
MSS934-4	550	583	94	6	74	20	0	1.083	1.0	0	1	0	0	10	3.0	3.5	2.0 common scab, rhizoctonia	tr SED
MSR127-2	385	446	86	14	84	2	0	1.088	1.0	0	0	0	0	10	3.0	2.5	0.5 common scab, rhizoctonia	
MSL007-B	344	404	85	14	85	0	1	1.083	1.0	0	0	0	0	10	2.0	3.5	1.0 common scab, trace of pitted scab	
Lamoka	332	390	85	14	81	4	1	1.088	1.5	0	1	0	0	10	3.5	3.0	1.0 common scab	
NY148	315	419	75	24	74	1	1	1.097	1.0	0	0	0	0	10	3.0	3.0	1.5 common scab, trace of pitted scab, rhizoctonia	sl SED
AC01151-5W	312	433	72	26	72	0	2	1.082	1.0	0	0	2	0	10	2.5	2.0	2.0 common scab, rhizoctonia	
W5955-1	308	389	79	18	79	0	3	1.090	1.0	0	1	0	0	10	3.5	2.5	2.0 common scab, rhizoctonia	
MSM246-B	305	351	87	13	84	3	0	1.092	1.0	0	1	0	0	10	3.0	2.0	2.5 common scab, rhizoctonia	
MSL292-A	274	334	82	18	82	0	0	1.085	1.0	0	1	0	0	10	2.5	3.5	0.5 common scab	
MSN190-2	253	390	65	35	64	1	0	1.100	1.0	0	0	0	0	10	2.5	3.0	0.5 common scab, heavy netted skin	
MSS165-2Y	212	395	53	47	52	1	0	1.093	1.0	0	0	0	0	10	3.5	3.5	1.5 common scab	tr SED
Snowden	202	296	68	30	68	0	2	1.089	1.0	0	2	0	0	10	3.0	2.0	3.0 common scab	
NY153	171	272	63	36	63	0	1	1.084	1.0	0	1	0	0	10	3.5	3.5	0.5 common scab, uniform small tubers	
CO02321-4W	165	295	56	43	56	0	1	1.087	1.0	0	1	0	0	10	3.0	2.5	2.0 common scab, rhizoctonia	
MSR169-8Y	135	234	58	42	58	0	0	1.087	1.5	0	2	0	0	10	2.0	3.0	0.5 common scab	sl SED
W6609-3	133	251	53	47	53	0	0	1.088	1.0	0	2	0	0	10	3.0	2.5	0.5 common scab	
A00188-3C	114	313	36	64	36	0	0	1.080	1.0	0	1	0	0	10	4.0	2.0	1.0 common scab, rhizoctonia, small tuber type	

MEAN 265 364 1.088 tr = trace, sl = slight, NA = not available

SED = stem end defect, gc = growth crack

¹ SIZE	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: 6-May-13
Bs: < 1 7/8"	HH: Hollow Heart	(Out of the field)	Date Taken: 11-Jun-13	Date Taken: 20-Aug-13	Vines Killed: 10-Sep-13
As: 1 7/8" - 3.25"	VD: Vascular Discoloration	Ratings: 1 - 5	Ratings: 1 - 5	Ratings: 1 - 5	Days from Planting to Vine Kill: 127
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)	No Fumigation

⁶MAWN STATION: Entrican
Planting to Vine Kill

2013 Processing Potato Variety Trial
Walther Farms, St. Joseph County, MI
 Harvest 21-Sep-13 150 Days
 DD, Base 40⁶ 3696

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	CHIP SCORE ³	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS	CHIP COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO			HH	VD	IBS	BC					
AF0338-17	454	533	86	9	86	0	5	1.071	NA	0	3	0	0	30	1.5	2.2	0.5 common scab	
MSL007-B	418	459	91	9	91	0	0	1.074	1.5	0	6	0	0	20	1.3	3.3	0.5 common scab	tr SED
BNC182-5	399	456	87	13	87	0	0	1.082	2.5	0	2	0	0	20	2.0	2.8	0.5 common scab	severe SED
Snowden	392	425	92	7	92	0	1	1.075	1.5	0	9	1	1	30	1.7	2.7	2.0 common scab	
FL1879	390	418	93	7	93	0	0	1.073	2.0	1	18	0	1	30	1.8	3.2	0.5 common scab	
NY148	358	410	87	13	87	0	0	1.080	1.0	0	13	0	0	30	1.7	3.3	0.5 common scab	sl SED
MSS165-2Y	341	397	86	12	86	0	2	1.075	2.0	0	0	0	0	20	1.5	3.3	0.5 common scab	
Lamoka	331	361	92	7	92	0	1	1.075	3.0	0	11	0	0	20	1.3	3.5	2.0 common scab	
Pike	331	358	93	7	93	0	0	1.077	1.0	0	1	0	0	20	1.0	3.5	0.5 common scab	
Elkton	323	376	86	14	86	0	0	1.079	2.0	0	6	0	0	30	1.5	2.7	0.5 common scab	tr VD

Continued on Next Page

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	CHIP SCORE ³	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS	CHIP COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO			HH	VD	IBS	BC						
W5955-1	302	384	79	11	79	0	10	1.074	NA	0	7	0	0	20	1.8	2.5	1.0 common scab		
CO02321-4W	301	360	84	15	84	0	1	1.081	2.5	0	8	0	0	20	1.5	2.8	2.5 common scab	tr SED	
MSM246-B	288	325	89	11	89	0	0	1.077	NA	0	6	0	0	20	1.3	3.5	0.5 common scab		
MSR127-2	288	345	85	11	85	0	4	1.077	1.5	0	3	0	0	20	1.5	2.8	0.5 common scab	tr SED	
AC01151-5W	285	374	76	24	76	0	0	1.070	2.5	0	4	0	0	20	1.5	4.0	0.5 common scab	tr VD	
MSL292-A	264	342	77	8	77	0	15	1.076	2.0	0	6	0	0	30	1.0	3.5	1.5 common scab		
W6609-3	249	349	72	25	72	0	3	1.075	1.0	0	0	0	0	20	1.5	2.5	0.5 common scab		
NY153	245	352	69	15	69	0	16	1.070	2.5	0	6	0	0	20	1.8	3.0	0.5 common scab	SED	
MSR169-8Y	237	344	69	23	69	0	8	1.074	1.5	0	9	0	0	20	1.3	3.3	1.0 common scab		
A00188-3C	181	413	44	22	44	0	34	1.073	2.0	0	5	0	0	20	2.8	2.5	0.5 common scab, heat sprouts in pickouts	SED	
MEAN	326	388						1.075											

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

¹ SIZE	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:	24-Apr-13
Bs: < 1 7/8"	HH: Hollow Heart	(Out of the field)	Date Taken: 5-Jun-13	Date Taken: 16-Aug-13	Vines Killed:	5-Sep-13
As: 1 7/8" - 3.25"	VD: Vascular Discoloration	Ratings: 1 - 5	Ratings: 1 - 5	Ratings: 1 - 5	Days from Planting to Vine Kill:	134
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,	5: Late (vigorous vine, some	Fumigation	
					⁶ MAWN STATION: Constantine	
					Planting to Vine Kill	

2013 USPB / SFA Processing Potato Variety Trial

Sandyland Farms, Montcalm County, MI

Harvest 3-Oct-13

144 Days

DD, Base 40⁶

2734

LINE	CWT/A		PERCENT OF TOTAL ¹				SP GR	CHIP SCORE ³	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS	CHIP COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV			PO	HH	VD	IBS						BC
NY148	542	614	89	10	83	6	1	1.082	1.0	0	0	0	0	30	3.5	1.5	2.0 common scab	
A01143-3C	505	553	91	5	84	7	4	1.076	1.0	0	4	0	0	30	4.5	1.5	0.5 common scab	tr SED
NY140	426	486	88	11	84	4	1	1.076	1.0	0	1	0	0	30	3.5	1.5	3.5 common scab	
CO03243-3W	417	474	88	11	83	5	1	1.078	1.0	0	1	0	0	30	3.0	1.5	3.0 common scab	
MSL292-A	395	439	90	10	85	5	0	1.075	1.0	0	1	0	0	30	3.0	1.0	3.5 common scab	
Atlantic	395	432	92	7	84	8	1	1.084	1.5	5	3	0	0	30	3.5	1.5	3.0 common scab	sl SED
W5955-1	331	389	85	12	76	9	3	1.080	1.0	1	6	0	0	30	3.0	1.0	0.5 common scab	
A00188-3C	328	402	81	13	78	3	6	1.079	1.0	0	10	0	0	30	4.0	1.0	1.0 common scab, gc, pointed tubers	
AF4157-6	324	415	78	21	78	0	1	1.074	1.0	0	3	0	0	30	3.0	2.0	4.0 common scab	
MSL007-B	320	376	85	15	84	1	0	1.081	1.0	0	10	0	0	30	2.5	1.0	0.5 common scab	
CO00197-3W	313	440	72	22	71	1	6	1.073	1.5	0	5	3	1	30	3.5	1.5	4.0 common scab	sl SED
Snowden	291	380	77	23	76	1	0	1.078	1.0	0	4	0	0	30	3.0	1.5	3.0 common scab	
MSR061-1	270	360	75	24	75	0	1	1.076	1.0	0	2	0	0	30	3.5	1.5	2.0 common scab, tr of pitting	
CO02321-4W	260	359	72	28	72	0	0	1.081	1.0	0	3	0	0	30	3.5	1.5	3.0 common scab	
AC01151-5W	246	383	64	34	64	0	2	1.067	1.0	1	10	0	0	30	3.0	1.5	4.5 common scab	
W6483-5	232	306	72	23	68	4	5	1.064	1.0	0	3	0	0	30	4.0	1.5	3.0 common scab	
W4980-1	231	293	79	20	75	4	1	1.077	1.0	0	3	0	0	30	3.5	1.5	3.0 common scab	tr SED
W6609-3	214	302	70	28	70	0	2	1.080	1.0	0	0	0	0	30	3.0	1.5	0.5 common scab	

MEAN

336

411

1.077

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

SED = stem end defect, gc = growth crack

¹ SIZE	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:	13-May-13
Bs: < 1 7/8"	HH: Hollow Heart	(Out of the field)	Date Taken: 18-Jun-13	Date Taken: 27-Aug-13	Vines Killed:	25-Aug-13
As: 1 7/8" - 3.25"	VD: Vascular Discoloration	Ratings: 1 - 5	Ratings: 1 - 5	Ratings: 1 - 5	Days from Planting to Vine Kill:	104
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	
					⁶ MAWN STATION: Entrican Planting to Vine Kill	

2013 MSU Processing Potato Variety Trials

Entry	Pedigree	2013 Scab Rating*	Characteristics
Atlantic	Wauseon X B5141-6 (Lenape)	3.2	High yield, early maturing, high incidence of internal defects, high specific gravity
Elkton (B1992-106)	B1255-5 X B0564-9	-	Medium to medium-late maturity, average yield potential, round to oval tuber type, light netted skin
FL1879	Snowden X FL1207	3.0	High yield, late maturity, large tuber type, late season storage, medium specific gravity
Lamoka (NY139)	NY120 X NY115	1.5	High yield, mid-late season maturity, medium specific gravity, oval to oblong tuber type, low internal defects, long term chip quality
MSL292-A (Manistee)	Snowden X MSH098-2	3.3	Above average yield, scab susceptible, late blight susceptible, medium specific gravity, long storage potential, uniform tuber type, heavy netted skin
MegaChip (W1201)	WISCHIP X FYF85	-	High specific gravity, round oval tubers, medium-large size, scab resistant
Nicolet (W2133-1)	Snowden X S440	-	Medium to high yield, similar to Snowden, high specific gravity, mid-season chip quality
Pike (NYE55-35)	Allegany X Atlantic	1.4	Average yield, early to mid-season maturity, small tuber size profile, early storage, some internal defects, medium specific gravity
Snowden (W855)	B5141-6 X Wischip	3.1	High yield, late maturity, mid-season storage, reconditions well in storage, medium to high specific gravity
A00188-3C	A91790-13 X Dakota Pearl	0.5	High U.S. No. 1 yield, scaly buff skin, high specific gravity, mid-season chip quality, common scab tolerance
A01143-3C	COA95070-8 X Chipeta	1.8**	Average yielding, scaly buff chipper, smaller tuber size, late maturity
AC01151-5W	COA96142-7 X NDA2031-2	1.2	Medium maturity, medium vine size, oblong shape with white flesh
AF0338-17	AF303-5 X SA8211-6	0.5	High yielding, round white, early bulking, moderately susceptible to common scab, resistant to verticillium wilt
AF4157-6	Yankee Chipper X Dakota Pearl	4.0	Medium-early maturity, round to oblong netted tubers, good specific gravity, good chip color from the field and storage, common scab susceptible

*Scab rating based on 0-5 scale; 0 = most resistant and 5 = most susceptible. **2012 Data.
Common Scab data provided by MSU Potato Breeding and Genetics Program.

Entry	Pedigree	2013 Scab Rating*	Characteristics
AF4386-16	NY120 X CF77154-10	-	
BNC182-5	Tacna X B0766-3	0.5	Short dormancy, above average yield potential, moderate common scab resistance, average chip quality, late blight susceptible, large round flat to oval tuber type
CO00197-3W	A91790-13W X NDTX4930-5W	3.5**	Medium yield potential, small size profile, minimal grade defects, early maturity, medium-high specific gravity, ability to recondition out of 40° F
CO02321-4W	NY115 X BC0894-2W	2.5	Average yield potential, average specific gravity, medium maturity, common scab susceptibility
CO03243-3W	BC894-2W X A91790-13W	3.0	Large vine size with medium maturity, large yield potential
MSL007-B	MSA105-1 X MSG227-2	1.5	Average yield potential , early to mid-season maturity, uniform tuber type, medium specific gravity, scab tolerant, heavy netted skin
MSM246-B	MSE274-A X NY115	3.3	Round-white with a good sugar profile, good specific gravity, excellent chip quality, common scab susceptible
MSN190-2	MSI234-6Y X MSG227-2	2.0	High specific gravity, early maturity, blackspot bruise resistant, average yield
MSR061-1	Mega Chip (W1201) X NY121	2.0	Average yield, round tuber type with netted skin, low reducing sugars, PVY resistant, moderate late blight resistance
MSR127-2	MSJ167-1 X MSG227-2	1.0	Scab resistant, high specific gravity, good chip quality from storage, above average yield potential, medium-late maturity
MSR169-8Y	Pike X MSJ126-9Y	1.4	Below average yield, medium maturity, yellow flesh, average specific gravity, common scab resistant
MSS165-2Y	MSM188-1 X MSL159-AY	1.9	High yield, above average specific gravity, late maturity, uniform round tuber type, heavy netted skin, yellow flesh, good internal tuber quality
MSS934-4	ND6095-1 X ND7377Cb-1	2.9	High yield, oval to oblong tuber type, common scab susceptible

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Entry	Pedigree	2013 Scab Rating*	Characteristics
NY140	NY121 X NY115	3.0	Late season chip quality, dual purpose chip and table stock, high yields of large tubers, buff textured skin
NY148	NY128 X Marcy	2.1	Full season maturity, high gravity, scab-resistant chip stock, good yield potential, medium to late season storage quality, black spot bruise susceptible
NY153	Waneta X Pike	2.1	Full season maturity, medium tuber size profile, good chip quality
W2324-1	Snowden X S438	-	Very high yielding potential, high gravity, more susceptible to common scab than Snowden, tolerant of early blight, good early chip quality
W2978-3	Monticello X Dakota Pearl	-	Average yield potential, early bulking, medium-early vine maturity, scab susceptible
W4980-1	B0692-4 X W1355-1	2.5	Medium-early maturity for out-of-the-field chipping, moderate yield potential, low set
W5015-12	Brodick X W1355-1	2.6**	High tuber set and yield, medium-late vine maturity, uniform size tubers, tubers tend toward flat shape, very flat in some environments
W5955-1	Pike X C31-5-120	1.5	High yield, high specific gravity, size profile similar to Atlantic, long storage potential
W6483-5	-	3.0	Above average yield, early maturity, common scab susceptible, below average specific gravity
W6609-3	Pike X Dakota Pearl	0.5	Long term storage potential, common scab resistance, good specific gravity

*Scab rating based on 0-5 scale; 0 = most resistant and 5 = most susceptible. **2012 Data.
Common Scab data provided by MSU Potato Breeding and Genetics Program.