

2013 Freshpack Potato Variety Trial
Overall Averages - Eight Locations
St. Joseph, Delta, Antrim, Kalkaska, Montcalm, Washtenaw, and Monroe Counties

NUMBER OF LOCATIONS	LINE	CWT/A		US#1	PERCENT OF TOTAL ¹				SP GR	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MATURITY ⁴	COMMENTS
		US#1	TOTAL		Bs	As	OV	PO		HH	VD	IBS	BC				
1	Onaway	569	664	86	4	75	11	10	1.072	0	3	0	2	10	3.5	4.0	sheep nose, deep eyes, misshpen in pickouts
5	W9433-1Rus	560	650	87	4	51	36	9	1.075	0	7	6	0	50	2.6	2.5	light russet skin, points and misshapen in pickouts, nice large blocky tuber type, tr alligator hide, common scab resistant
2	Russet Norkotah LT	555	737	69	9	59	10	22	1.079	6	9	0	0	50	2.0	NA	misshapen in pickouts, tr alligator hide
1	W9765-3R	552	700	79	8	78	1	13	1.070	0	0	0	1	10	1.5	3.0	common scab tolerant, medium red color, sl rhizoctonia, severe gc in pickouts, 7 tubers with anthocianin
1	Katahdin	552	660	84	9	77	7	7	1.070	1	1	0	1	10	5.0	2.0	common scab resistant, deep eyes and misshapen in pickouts
1	Nadine	532	671	79	16	79	0	5	1.059	0	2	3	0	10	2.5	3.0	oval oblong tuber type, gc in pickouts
5	NY151	503	585	85	11	81	4	4	1.063	0	0	4	4	50	3.2	2.7	uniform round tuber type, points in pickouts, common scab tolerant
5	Russet Norkotah	482	595	82	8	59	23	10	1.071	13	9	0	0	80	2.9	2.3	misshapen pickouts, common scab tolerant, sl alligator hide
5	Reba	479	529	87	6	68	19	7	1.069	12	3	0	2	50	3.2	2.5	deep eyes, large oval tuber type, tr netted skin, common scab tolerant
6	NY140	471	532	84	14	72	12	2	1.075	9	14	3	0	60	3.2	3.5	bright skin appearance, oval tuber type, misshapen in pickouts, common scab tolerant
5	W9161-3Rus	440	563	77	9	56	21	14	1.069	2	4	0	0	80	2.5	3.0	large tubular tuber type, netted russetting, misshapen in pickouts, sl alligator hide, common scab resistant
6	NY141	439	528	82	6	67	15	12	1.073	0	9	0	1	60	3.5	2.8	misshapen in pickouts, flat oval tuber type, tr deep apical eyes, common scab tolerant
5	MSM288-2Y	427	496	84	11	78	6	5	1.075	6	4	0	0	50	3.6	2.5	pink eyes, medium yellow flesh, gc and knots in pickouts, common scab tolerant
6	A02062-TERus	425	579	72	8	49	23	20	1.073	1	22	0	0	90	1.8	2.0	heavy russet skin, long tubular tuber type, misshapen in pickouts
1	W8886-3R	418	469	89	8	81	8	3	1.064	0	1	0	0	10	2.0	2.0	oval to oblong tuber type, tr netted skin, good red skin color
1	CO05189-3Rus	418	541	77	8	27	50	15	1.065	0	0	0	0	10	NA	NA	nice blocky type
5	W9739-2Rus	417	556	75	20	66	9	5	1.076	0	6	1	0	80	2.4	2.7	light russet skin, sl alligator hide, common scab resistant
1	W8893-1R	416	496	84	15	84	0	1	1.060	0	2	0	0	10	2.5	1.5	common scab resistant, smooth oval tuber appearance, good red skin color
1	CO05189-2Rus	413	621	67	17	62	5	16	1.071	0	0	0	0	40	NA	NA	tr alligator hide
2	MSS576-05SPL	412	508	75	24	69	6	1	1.071	0	5	0	0	20	2.0	3.3	pink eye splash, common scab resistant
5	W8152-1Rus	408	480	85	10	75	10	5	1.079	33	5	0	0	90	3.1	2.8	heavy russet skin, gc and misshapen in pickouts, severe alligator hide, common scab tolerant
1	A03158-2TERus	400	577	69	10	62	7	21	1.077	1	0	0	0	30	NA	NA	sl alligator hide
6	AF3362-1Rus	399	479	79	13	57	22	8	1.075	3	24	1	0	60	2.4	2.5	sl alligator hide, heavy netted skin, misshapen and knots in pickouts
5	W8516-1Rus	395	499	79	13	66	13	8	1.071	19	18	0	0	80	2.3	2.8	large blocky tuber type, enlarged lenticels, sl alligator hide
1	CO05132-2Rus	394	486	82	9	65	17	9	1.072	4	15	0	0	40	NA	NA	severe alligator hide
2	GoldRush Russet	394	499	80	13	71	9	7	1.074	4	1	0	0	20	2.5	2.0	heavy russet skin

Continued on Next Page

NUMBER OF LOCATIONS	LINE	CWT/A		PERCENT OF TOTAL ¹					TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MATURITY ⁴	COMMENTS	
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS					BC
3	W6002-1R	394	467	84	11	71	13	5	1.070	0	0	0	0	30	3.5	3.0	oval tuber type, medium red skin color
1	CO05110-6Rus	380	518	74	11	62	12	15	1.075	3	6	0	0	40	NA	NA	tr alligator hide
4	CO04233-1Rus	377	487	76	17	70	6	7	1.073	8	13	0	0	80	2.0	2.5	medium russet skin, points and misshapen in pickouts, sl Pinkeye, sl alligator hide
1	CO05228-4R	372	478	78	20	78	0	2	1.070	0	0	0	0	10	1.5	2.0	common scab tolerant, small uniform tuber size
5	W8722-1Rus	370	457	81	11	68	13	8	1.071	0	12	0	0	80	1.6	3.2	gc in pickouts, dark heavy russet skin, medium uniform tuber type, tr alligator hide
1	W9746-4R	368	466	79	21	79	0	0	1.064	0	4	0	0	10	2.0	2.5	common scab tolerant, medium red skin color
6	MSJ126-9Y	367	431	84	12	77	7	4	1.075	2	17	2	0	60	2.9	3.0	light yellow flesh, deep eyes, average uniform tuber size, common scab resistant, misshapen in pickouts
7	Silverton Russet	358	463	75	19	58	17	6	1.070	14	11	0	4	100	2.8	2.9	sl alligator hide, common scab resistant
1	CO05024-11Rus	355	482	74	12	64	10	14	1.074	5	0	0	0	40	NA	NA	
1	Lamoka	352	368	95	5	89	6	0	1.074	0	3	0	0	10	4.5	2.0	common scab resistant, oval blocky tuber type, netted skin
2	MSR214-2P	344	442	70	22	67	3	8	1.067	1	3	0	2	20	1.5	2.8	deep purple skin color,gc in pickouts, common scab tolerant
6	MSQ086-3	343	424	75	20	74	1	5	1.072	0	6	3	0	60	2.6	3.2	unifrom round tuber type, gc and points in pickouts, bright skin appearance, common scab resistant
5	MSQ440-2	336	386	86	11	78	8	3	1.065	0	13	0	0	50	2.4	2.5	bright skin appearance, medium uniform tuber type, common scab tolerant
1	Snowden	335	483	69	13	61	8	18	1.067	0	3	0	0	10	5.0	2.5	common scab resistant, deep eyes and misshapen in pickouts
4	W6703-1Y	327	371	88	11	87	1	1	1.072	1	2	1	0	40	2.6	2.5	medium yellow flesh, uniform tuber type, knobs and points in pickouts, common scab resistant
5	W6703-5Y	326	377	85	11	79	6	4	1.067	0	7	3	0	50	2.1	3.2	gc and misshapen in pickouts, sticky stolens, oblong tuber type, tr alligator hide, common scab tolerant
3	W8405-1R	321	431	74	14	71	3	12	1.070	3	1	6	0	30	2.8	3.2	light red skin color, oblong to long tuber type, misshapen in pickouts
1	Superior	317	339	93	4	91	2	3	1.076	1	1	0	0	10	2.0	3.0	points in pickouts
1	CO05175-1Rus	304	458	66	11	63	3	23	1.078	2	3	0	0	40	NA	NA	
3	Red Norland	300	383	79	11	69	10	10	1.064	2	2	1	0	30	3.0	3.0	oval tuber type, medium to light red skin color, scab resistant
1	CO05068-1Rus	288	424	68	14	67	1	18	1.089	5	1	2	0	40	NA	NA	tr alligator hide
4	CO04220-7Rus	279	420	67	25	62	5	8	1.071	18	23	5	0	80	2.1	2.8	misshapen in pickouts, sl alligator hide, medium russetting
1	CO05040-1Rus	263	474	55	22	55	0	23	1.065	0	4	0	0	40	NA	NA	severe alligator hide, small tubular tuber type, misshapen tuber type, not uniform
1	CO05149-3Rus	220	444	49	25	46	3	26	1.074	4	1	0	0	40	NA	NA	tr Pinkeye, tr alligator hide
1	CO05211-4R	204	328	62	35	62	0	3	1.067	0	9	0	0	10	1.5	3.0	common scab resistant, small tuber size, dark red skin color, oblong tuber type
1	CO05152-5Rus	134	550	24	30	24	0	46	1.073	0	9	0	0	40	NA	NA	tr alligator hide, gc and points in pickouts
MEAN		389	501						1.071							tr = trace, sl = slight, NA = not available SED = stem end defect, gc = growth crack	

¹SIZE

Bs: < 1 7/8" or <4oz.
As: 1 7/8" - 3.25" or 4-10oz.
OV: > 3.25" or >10oz.
PO: Pickouts

²TUBER QUALITY (number of tubers per total cut)

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

³VINE VIGOR RATING

Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁴VINE MATURITY RATING

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

2013 Russet "Select" Freshpack Potato Variety Trial Overall Average - Three Locations

Elmable Farm, Kalkaska County, MI

MSU - Montcalm Research Center, Montcalm County, MI

Walther Farms, St. Joseph County, MI

LINE	CWT/A		PERCENT OF TOTAL ¹						TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MATURITY ⁴	SCAB RATING ⁵
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS	BC				
W9739-2Rus ⁹	476	586	81	15	75	6	4	1.075	0	3	0	0	50	2.5	3.0	NA
W9433-1Rus ⁹	470	561	85	2	49	36	13	1.075	0	2	1	0	20	2.5	2.5	NA
W8516-1Rus ⁶	444	534	83	7	65	18	10	1.067	18	5	0	0	50	2.0	2.5	NA
W9161-3Rus ⁹	436	575	73	4	43	30	23	1.063	0	0	0	0	50	2.5	2.5	NA
W8152-1Rus ⁷	430	491	88	6	78	10	6	1.080	23	2	0	0	60	3.0	2.8	NA
W6234-4Rus ⁸	415	491	84	11	77	7	5	1.085	1	9	0	0	40	NA	3.0	2.9
A03158-2TERus ¹⁰	394	527	76	12	67	9	12	1.082	6	2	0	0	70	NA	3.3	0.6
AF3362-1Rus ⁷	394	464	85	8	66	19	7	1.079	0	22	1	0	60	2.0	3.4	NA
GoldRush Russet¹¹	387	514	75	15	71	4	10	1.075	1	1	0	0	10	3.5	2.5	NA
CO04233-1Rus ⁷	379	458	82	13	75	7	5	1.072	11	14	0	0	100	2.5	2.0	0.5
A07103-1T ⁸	369	461	80	20	78	2	0	1.099	6	0	0	0	40	NA	3.0	2.1
A02062-1TERus ⁷	357	517	70	8	50	20	22	1.075	1	16	0	0	90	2.0	3.0	0.3
Silverton Russet⁷	355	452	76	17	63	13	7	1.076	10	4	0	2	90	2.5	3.3	1.1
A01010-1 ⁸	346	446	77	20	73	4	3	1.089	0	5	0	0	40	NA	3.5	2
CO05132-2Rus ¹⁰	332	407	82	11	65	17	7	1.077	11	18	9	0	80	NA	2.5	0.5
CO05189-3Rus ¹⁰	330	412	81	12	48	33	7	1.071	0	5	0	0	50	NA	1.3	1.8
CO05110-6Rus ¹⁰	326	432	76	15	68	8	9	1.081	5	7	0	0	80	NA	2.5	2.0
CO05175-1Rus ¹⁰	323	446	73	10	64	9	17	1.080	18	9	0	0	80	NA	3.3	1.1

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LINE	CWT/A		PERCENT OF TOTAL ¹					TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MATURITY ⁴	SCAB RATING ⁵	
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS					BC
CO05024-11Rus ¹⁰	310	430	72	21	66	6	7	1.079	5	8	0	0	80	NA	2.0	0.5
Russet Norkotah⁷	308	439	69	20	56	13	11	1.070	10	9	0	0	90	3.0	2.0	2.5
CO05189-2Rus ¹⁰	307	484	62	29	58	4	9	1.074	0	3	0	0	80	NA	1.3	4.1
W8722-1Rus ⁶	307	388	79	12	74	5	9	1.070	0	4	0	0	50	1.5	3.5	NA
CO05068-1Rus ¹⁰	306	416	73	15	67	6	12	1.093	25	1	2	0	80	NA	4.0	1.3
A0701012-4BF ⁸	303	437	69	31	66	3	0	1.100	12	10	0	0	40	NA	4.0	2.6
A02507-2LB ⁸	284	389	73	9	59	14	18	1.090	3	6	0	0	40	NA	4.0	1.0
CO04220-7Rus ⁷	269	382	71	20	64	7	9	1.071	24	26	5	0	100	1.5	2.0	1.5
W9133-1rus ⁸	262	328	80	19	71	9	1	1.074	0	1	0	0	40	NA	1.5	2.0
Russet Norkotah LT¹²	238	454	53	9	46	7	38	1.071	5	3	0	0	40	NA	NA	NA
AF4445-3Rus ⁸	222	276	79	15	73	6	6	1.075	0	9	0	0	40	NA	2.0	NA
CO05149-3Rus ¹⁰	219	386	55	30	51	4	15	1.079	11	3	0	0	80	NA	2.0	2.0
A99029-3E ⁸	214	307	69	30	65	4	1	1.080	0	6	0	0	40	NA	2.5	1.8
CO05152-5Rus ¹⁰	190	473	43	32	41	2	25	1.079	1	16	0	0	80	NA	3.0	0.4
AF4532-8Rus ⁸	175	235	76	23	71	5	1	1.074	12	8	0	0	40	NA	1.5	NA
CO05040-1Rus ¹⁰	171	381	42	39	42	0	19	1.070	0	8	0	0	80	NA	3.0	0.6
Russet Burbank⁸	160	324	49	29	47	2	22	1.078	6	3	0	0	40	NA	3.0	1.3
A07008-4T ⁸	149	310	48	50	48	0	2	1.097	0	8	0	0	40	NA	3.0	2.9
MEAN	316	434	72					1.079						2.1	2.6	

NA= not available

¹SIZE

Bs: < 4 oz.
As: 4 - 10 oz.
OV: > 10 oz.
PO: Pickouts

²TUBER QUALITY (number of tubers per total cut)

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

³VINE VIGOR RATING

Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁴VINE MATURITY RATING

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

⁵COMMON SCAB RATING

0: No Infection
1: Low Infection < 5%
3: Intermediate
5: Highly Susceptible

⁶Grown at Elmapple and MRC

⁷Grown at Elmapple, MRC and Walther

⁸Grown at MRC Only

⁹Grown at Elmapple and Walther

¹⁰Grown at MRC and Walther

¹¹Grown at Elmapple Only

¹²Grown at Walther Only

2013 Russet "Select" Variety Trial

Elmable Farms, Kalkaska County, MI

Harvest 30-Sep-13 137 Days
DD, Base 40⁵ 3066

LINE	CWT/A		PERCENT OF TOTAL ¹						TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MATURITY ⁴	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS	BC				
W9161-3Rus	604	655	92	2	35	57	6	1.063	0	0	0	0	10	2.5	2.5	large tuber type, netted russeting
CO04233-1Rus Rep 2	595	677	88	10	81	7	2	1.071	2	4	0	0	10	3.0	2.0	2.0 alligator hide, medium russet skin
W9739-2Rus	539	632	85	12	73	12	3	1.075	0	0	0	0	10	2.5	3.0	0.5 common scab, bright appearance, light netted russet skin
W9433-1Rus	530	541	98	2	41	57	0	1.074	0	2	0	0	10	2.5	2.5	0.5 common scab, large tuber type, light russet skin
W8516-1Rus	509	544	93	5	75	18	2	1.070	4	3	0	0	10	2.0	2.5	0.5 alligator hide, large blocky tuber type, netted russeting
A02062-1TERus	460	524	88	6	57	31	6	1.077	0	4	0	0	10	2.0	3.0	tubular tuber type, heavy russet skin, many eyes
Silverton Russet	452	487	93	5	75	18	2	1.068	2	1	0	0	10	2.5	3.0	
W8152-1Rus Rep 1	436	495	88	5	72	16	7	1.079	10	0	0	0	10	3.0	2.5	3.0 alligator hide, severe gc, mishapen in pickouts, heavy ruseseting
Russet Norkotah	398	447	89	9	68	21	2	1.068	3	2	0	0	10	3.0	2.0	1.5 common scab
W8152-1Rus Rep 2	398	442	90	7	77	13	3	1.078	10	0	0	0	10	3.0	3.0	3.0 alligator Hide, 1.0 common scab, heavy russet skin, gc and mishapen in pickouts
GoldRush Russet	387	514	75	15	71	4	10	1.075	1	1	0	0	10	3.5	2.5	heavy russet skin
CO04233-1Rus Rep 1	347	439	79	11	72	7	10	1.076	0	0	0	0	10	2.0	3.0	medium netted skin, points, mishapen in pickouts
W8722-1Rus	345	401	86	13	78	8	1	1.071	0	2	0	0	10	1.5	3.5	gc in pickouts, dark heavy russet skin, uniform tuber type
CO04220-7Rus Rep 1	318	371	86	8	77	9	6	1.076	5	0	0	0	10	1.5	3.0	2.0 alligator hide, mishapen pickouts, medium russeting
AF3362-1Rus	293	341	86	13	76	10	1	1.080	0	5	0	0	10	2.0	3.0	1.0 alligator hide, heavy netted skin
CO04220-7Rus Rep 2	240	359	67	27	55	12	6	1.068	7	3	3	0	10	2.5	2.0	3.0 alligator hide, three tubers with severe heat necrosis
MEAN	428	492						1.073								

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 VINE VIGOR RATING	⁴ VINE MATURITY RATING	Planted:	16-May-13
Bs: < 1 7/8" or < 4 oz.	HH: Hollow Heart	Date Taken: 18-Jun-13	Date Taken: 22-Aug-13	Vines Killed:	20-Sep-13
As: 1 7/8" - 3.25" or 4 - 10 oz.	VD: Vascular Discoloration	Ratings: 1 - 5	Ratings: 1 - 5	Days from Planting to Vine Kill:	127
OV: > 3.25" or > 10 oz.	IBS: Internal Brown Spot	1: Slow Emergence	1: Early (vines completely dead)	Seed Spacing:	12"
PO: Pickouts	BC: Brown Center	5: Early Emergence (vigorous vine, some flowering)	5: Late (vigorous vine, some flowering)	Fall Fumigation	

⁵MAWN STATION: Kalkaska
Planting to Vine Kill

2013 Freshpack Potato Variety Trial
Elm Maple Farms, Kalkaska County, MI
 Harvest 3-Sep-13 110 Days
 DD, Base 40⁶ 2721

LINE	CWT/A		PERCENT OF TOTAL ¹					TUBER QUALITY ²					TOTAL CUT	VINE VIGOR ³	VINE MATURITY ⁴	COMMON SCAB RATING ⁵	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS	BC					
NY151	567	648	87	11	79	8	2	1.063	0	0	0	0	10	2.5	3.5	0.5	points in pickouts
NY141	483	532	91	1	58	33	8	1.076	0	2	0	0	10	3.5	3.0	0.5	misshapen in pickouts, deep apical eyes
NY140	427	454	94	5	88	6	1	1.071	0	3	0	0	10	2.0	4.5	1.5	
MSQ440-2	389	420	92	8	90	2	0	1.068	0	2	0	0	10	2.0	3.0	1.0	bright apperance
MSM288-2Y	368	401	92	7	92	0	1	1.074	0	1	0	0	10	3.5	2.5	1.0	growth cracks in pickouts
MSQ086-3	343	366	94	3	93	1	3	1.080	0	4	0	0	10	1.5	4.0	1.0	points in pickouts
MSJ126-9Y	330	354	93	4	81	12	3	1.079	2	1	0	0	10	2.5	3.0	0.5	misshapen tubers in pickouts, deep apical eyes
Superior	317	339	93	4	91	2	3	1.076	1	1	0	0	10	2.0	3.0	0.0	points in pickouts
W6703-1Y	295	336	87	11	86	1	2	1.069	1	2	0	0	10	2.0	3.0	0.5	knobs and points in pickouts
W6703-5Y	295	329	89	7	82	7	4	1.066	0	2	0	0	10	2.0	4.0	0.5	misshapen tubers in pickouts, sticky stolons
MEAN	381	418						1.072									tr = trace, sl = slight, NA = not available SED = stem end defect, gc = growth crack

¹SIZE

²TUBER QUALITY (number of tubers per total cut)

Bs: < 1 7/8" HH: Hollow Heart

As: 1 7/8" - 3.25" VD: Vascular Discoloration

OV: > 3.25" IBS: Internal Brown Spot

PO: Pickouts BC: Brown Center

³VINE VIGOR RATING

Date Taken: 17-Jun-13

Ratings: 1 - 5

1: Slow Emergence

5: Early Emergence (vigorous vine, some flowering)

⁴VINE MATURITY RATING

Date Taken: 22-Aug-13

Ratings: 1 - 5

1: Early (vines completely dead)

5: Late (vigorous vine, some flowering)

⁵COMMON SCAB RATING

0.0: No incidence

1.0: Moderate Surface Scab

2.0: Trace Pitted Scab

5.0: Severe Pitted Scab

Planted: 16-May-13

Vines Killed: 23-Aug-13

Days from Planting to Vine Kill: 99

Seed Spacing: 10"

Fall Fumigation

⁶MAWN STATION: Kalkaska
Planting to Vine Kill

2013 Freshpack Potato Variety Trial
Crawford Farms, Montcalm County, MI
 Harvest 11-Oct-13 129 Days
 DD, Base 40⁵ 2837

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MATURITY ⁴	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
CO05211-4R	531	556	95	5	87	8	0	1.082	0	0	0	0	10	2.0	3.0	very small tuber size, dark red skin color, smooth skin
CO04220-7Rus	455	517	88	10	81	7	2	1.084	1	5	0	0	10	3.5	2.5	small tuber type
Russet Norkotah	424	581	73	4	39	34	23	1.079	2	3	0	0	10	2.5	2.0	plot appears to have had a pour stand
CO04233-1Rus	403	488	82	6	82	0	12	1.073	0	2	0	0	0	2.0	2.0	small tubular tuber type, medium russet skin
W8516-1Rus	379	460	83	8	59	24	9	1.076	2	1	1	1	10	2.0	3.0	1.5 common scab, small tuber size
W9739-2Rus	348	400	87	13	87	0	0	1.073	0	0	0	0	10	3.5	2.0	long tubular tuber type, pointed and misshapen tubers in pickouts
CO05228-4R	336	392	86	13	84	2	1	1.077	0	2	0	0	10	3.0	2.0	0.0 common scab, small tuber size profile, dark red skin color
W9161-3Rus	324	362	89	9	72	17	2	1.072	5	0	0	0	0	2.0	1.5	1.0 alligator hide, knobs and misshapen in pickouts
W8152-1Rus	311	466	67	31	67	0	2	1.069	0	4	0	0	10	3.5	3.0	3.0 pinkeye, severe gc in pickouts
NY151	306	380	80	11	77	3	9	1.075	1	3	0	0	10	2.5	2.0	0.5 common scab, small uniform tuber type
W8722-1Rus	298	343	87	13	87	0	0	1.062	0	8	0	0	10	2.0	3.0	dark russet skin, medium tuber size
W9746-4R	294	339	87	10	87	0	3	1.080	0	2	0	0	10	2.0	3.0	small uniform tuber type, medium red skin color
W6703-1Y	294	328	90	10	90	0	0	1.067	0	0	0	0	10	2.0	3.0	0.5 common scab, small tuber size, medium yellow flesh
W9433-1Rus	289	394	74	6	49	25	20	1.078	0	3	0	0	10	1.5	2.0	1.0 common scab, many points and misshapen in pickouts

Continued on Next Page

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MATURITY ⁴	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
Red Norland	287	346	83	6	67	16	11	1.073	2	0	0	0	10	2.5	3.5	medium red skin color, oval tuber type
NY141	263	347	76	16	76	0	8	1.063	0	2	0	0	10	2.5	1.5	0.5 common scab, oblong tuber type, smooth skin
A02062-1TERus	253	431	59	3	43	16	38	1.073	0	2	0	0	10	2.0	2.0	dark russetting, gc and knobs in pickouts
W6002-1R	229	343	67	32	67	0	1	1.081	0	0	0	0	10	2.5	2.5	small oval tuber type, medium red skin color
MSJ126-9Y	223	360	62	35	62	0	3	1.067	0	3	2	0	10	2.5	3.0	light yellow flesh, tr deep eyes
MSQ440-2	220	299	73	18	69	4	9	1.077	0	2	0	0	10	1.5	2.0	0.5 common scab, bright appearance, medium uniform tuber type
W6703-5Y	219	313	70	29	70	0	1	1.065	0	3	0	0	10	2.0	3.5	1.5 common scab, oblong tuber type
W8405-1R	203	345	59	20	54	5	21	1.081	3	1	0	0	10	2.5	3.0	light red skin color points and misshapen tubers in pickouts
Reba	198	334	59	18	53	6	23	1.067	1	3	0	0	10	2.0	3.0	sl rough appearance, deep eyes on larger tubers
MSS576-05SPL	197	347	57	42	57	0	1	1.071	0	2	0	0	10	2.0	3.5	pink eye splash
MSM288-2Y	179	335	53	36	53	0	11	1.083	0	2	0	0	10	3.0	1.5	1.0 common scab, medium uniform tuber size, medium yellow flesh
Silverton Russet	130	253	51	45	51	0	4	1.072	5	2	0	0	10	1.5	3.0	1.0 alligator hide, some pythium in plot
MSR214-2P	122	237	52	39	52	0	9	1.072	1	1	0	1	10	1.5	2.5	deep purple skin color, good size profile
AF3362-1Rus	89	202	44	39	44	0	17	1.070	3	4	0	0	10	2.0	1.5	misshapen and knobs in pickouts
NY140	87	256	34	59	27	7	7	1.076	7	2	0	0	10	2.5	3.0	0.5 common scab, bright appearance
MSQ086-3	73	209	35	65	35	0	0	1.073	0	0	1	0	10	2.0	3.0	1.0 common scab, uniform round tuber type, bright appearance
MEAN	265	365						1.074								

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

SED = stem end defect, gc = growth crack

¹SIZE

Bs: < 1 7/8" or <4oz.
As: 1 7/8" - 3.25" or 4-10oz.
OV: > 3.25" or >10oz.
PO: Pickouts

²TUBER QUALITY (number of tubers per total cut)

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

³VINE VIGOR RATING

Date Taken: 3-Jul-13
Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁴VINE MATURITY RATING

Date Taken: 28-Aug-13
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

Planted:

Vines Killed:
Days from Planting to Vine
Seed Spacing :
No Fumigation

4-Jun-13

14-Sep-13
102
10" and 12"

⁵MAWN STATION: Entrican
Planting to Vine Kill

2013 Freshpack Potato Variety Trial

DuRussel Farms, Washtenaw County, MI

Harvest 14-Oct-13 136 Days
DD, Base 40⁵ 2964

LINE	CWT/A		PERCENT OF TOTAL ¹					TUBER QUALITY ²					TOTAL CUT	VINE VIGOR ³	VINE MATURITY ⁴	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS	BC				
Katahdin	552	660	84	9	77	7	7	1.070	1	1	0	1	10	5.0	2.0	1.0 common scab, deep eyes and misshapen in pickouts
NY140	551	611	90	10	84	6	0	1.074	0	6	0	0	10	5.0	3.0	0.5 common scab, bright appearance, oval tuber type
MSM288-2Y	542	631	86	8	82	4	6	1.068	6	0	0	0	10	5.0	1.5	0.5 common scab, 0.5 pinkeye, gc and knots in pickouts, pink eyes medium yellow flesh
Reba	515	547	95	5	92	3	0	1.066	0	0	0	0	10	5.0	1.0	1.0 common scab, netted skin
NY141	505	599	84	11	81	3	5	1.074	0	1	0	0	10	4.5	2.5	1.0 common scab, oval to oblong tuber type
MSQ440-2	455	511	89	9	82	7	2	1.056	0	6	0	0	10	4.0	1.5	0.5 common scab, bright skin appearance, uniform round tuber type
NY151	453	570	80	19	74	6	1	1.057	0	0	0	3	10	5.0	2.0	1.5 common scab, uniform round tuber type
MSJ126-9Y	449	533	84	10	82	2	6	1.069	0	4	0	0	10	5.0	2.5	0.5 common scab, light yellow flesh, netted skin
Silverton Russet	373	466	80	16	65	15	4	1.065	0	3	0	0	10	4.5	2.0	0.5 common scab
Lamoka	352	368	95	5	89	6	0	1.074	0	3	0	0	10	4.5	2.0	0.5 common scab, oval blocky tuber type, netted skin
Snowden	335	483	69	13	61	8	18	1.067	0	3	0	0	10	5.0	2.5	1.0 common scab, deep eyes and misshapen in pickouts
MSQ086-3	226	393	58	40	58	0	2	1.068	0	1	0	0	10	5.0	2.0	0.5 common scab, uniform tuber type
MEAN	462	544						1.067								

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

³VINE VIGOR RATING
Date Taken: 23-Jul-13
Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁴VINE MATURITY RATING
Date Taken: 28-Aug-13
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

Planted: 31-May-13
Vines Killed: 09-Sep-13
Days from Planting to Vine Kill: 101
Seed Spacing: 8"
No Fumigation

⁵MAWN STATION: Hudson
Planting to Vine Kill

2013 Freshpack Potato Variety Trial

Horkey Brothers, Monroe County, MI

Harvest 28-Sep-13 145 Days
DD, Base 40⁵ 3292

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MATURITY ⁴	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
MSQ086-3 BB	835	904	93	5	91	2	2	1.070	0	0	2	0	10	3.0	3.0	tr 0.5 common scab, gc in pickouts
NY140	712	739	96	4	93	3	0	1.075	0	2	3	0	10	3.5	3.0	oval to pear shape, bright appearance
NY151	712	795	90	10	88	2	0	1.066	0	0	4	0	10	3.0	2.0	severe heat necrosis
Reba	705	715	98	2	80	18	0	1.077	8	0	0	1	10	3.0	3.0	large oval tubers
NY141	573	649	88	4	86	2	8	1.075	0	2	0	0	10	4.0	3.5	pear shape and misshapen in pickouts
Onaway	569	664	86	4	75	11	10	1.072	0	3	0	2	10	3.5	4.0	sheep nose, deep eyes, misshppen in pickouts
Nadine	532	671	79	16	79	0	5	1.059	0	2	3	0	10	2.5	3.0	oval oblong tuber type, gc in pickouts
W6703-1Y	497	564	88	11	88	0	1	1.076	0	0	0	0	10	3.0	2.5	0.5 common scab, nice uniform type
W6703-5Y	484	530	91	7	84	7	2	1.068	0	0	3	0	10	2.0	3.5	1.0 common scab, yellow flesh, tr alligator hide, gc and misshapen in pickouts
MSJ126-9Y	416	468	89	11	89	0	0	1.077	0	3	0	0	10	2.5	3.5	yellow flesh, average uniform tuber size

MEAN 603 670

1.071

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

³VINE VIGOR RATING
Date Taken: 6-Jun-13
Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁴VINE MATURITY RATING
Date Taken: 15-Aug-13
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

Planted: 6-May-13
Vines Killed: 2-Sep-13
Days from Planting to Vine Kill: 119
Seed Spacing : 10"
No Fumigation

⁵MAWN STATION: Petersburg
Planting to Vine Kill

2013 Freshpack Potato Variety Trial

Kitchen Farms, Antrim County, MI

Harvest 10-Oct-13

139 Days

DD, Base 40⁵

2363

LINE	CWT/A		PERCENT OF TOTAL ¹				SP GR	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MATURITY ⁴	COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV		PO	HH	VD	IBS					BC
MSM288-2Y	679	706	96	4	85	11	0	1.072	0	1	0	0	10	2.0	3.0	1.5 common scab, nice deep yellow flesh, pink eyes
NY140	660	717	92	5	81	11	3	1.075	2	0	0	0	10	1.5	3.0	2.0 common scab, misshapen pickouts
MSS576-05SPL	627	669	93	6	81	12	1	1.071	0	3	0	0	10	2.0	3.0	1.0 common scab, pinkeye splashes
Russet Norkotah	571	680	84	12	67	17	4	1.074	5	0	0	0	10	2.0	2.0	1.0 common scab, 2.5 alligator hide
MSR214-2P	566	646	88	4	82	6	8	1.062	0	2	0	1	10	1.5	3.0	1.5 common scab, tr silver scurf, gc pickouts
W9765-3R	552	700	79	8	78	1	13	1.070	0	0	0	1	10	1.5	3.0	1.0 common scab, medium red color, sl rhizoctonia, severe gc in pickouts, 7 tubers with anthocianin
NY141	543	636	85	3	64	21	12	1.075	0	1	0	1	10	2.0	3.0	1.0 common scab, flat oval oblong
A02062-1TERus 10"	536	651	82	5	50	32	13	1.073	0	3	0	0	10	1.5	1.5	misshapen in pickouts, heavy russet skin
W6002-1R	531	560	95	4	93	2	1	1.062	0	0	0	0	10	1.5	2.5	Oval tuber type, red skin color, light netting
A02062-1TERus 12"	527	597	89	6	59	30	5	1.072	0	2	0	0	10	1.5	1.5	heavy russet skin type, long tubular tuber type
W9433-1Rus	522	575	91	5	59	32	4	1.068	0	0	1	0	10	1.5	2.5	light russet skin, tc points, no alligator hide or pinkeye
AF3362-1Rus	503	545	92	8	63	29	0	1.069	0	3	0	0	10	1.5	1.5	
Reba	499	532	94	3	76	18	3	1.066	3	0	0	1	10	2.0	2.5	0.5 common scab, deep apical eye
NY151	497	554	89	7	83	6	4	1.065	0	0	0	1	10	2.0	3.0	0.5 common scab, uniform size profile
W8405-1R	493	638	78	16	75	3	6	1.064	0	0	6	0	10	2.0	2.0	1.0 common scab, oblong to long tuber type, light red skin color
MSJ126-9Y	478	510	94	5	92	2	1	1.081	0	6	0	0	10	1.5	2.0	0.5 common scab, uniform round tuber type, light yellow flesh
W9161-3Rus	467	573	82	9	62	20	9	1.070	2	0	0	0	10	2.0	2.5	0.5 common scab, mishapen pickouts
W8886-3R	418	469	89	8	81	8	3	1.064	0	1	0	0	10	2.0	2.0	oval to oblong tuber type, tr netting, good red skin color

Continued on Next Page

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MATURITY ⁴	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
W8893-1R	416	496	84	15	84	0	1	1.060	0	2	0	0	10	2.5	1.5	0.0 common scab, smooth oval tuber appearance, good red skin color
W6703-5Y	406	445	91	6	86	5	3	1.069	0	2	0	0	10	1.5	1.5	1.0 common scab, points and sticky stolons, gc in pickouts
GoldRush Russet	402	483	84	12	71	13	4	1.072	3	0	0	0	10	1.5	1.5	heavy russet end skin
MSQ440-2	389	442	88	11	88	0	1	1.060	0	3	0	0	10	1.5	3.0	1.5 common scab, small tuber type, bright appearance
W9739-2Rus	375	555	68	28	65	3	4	1.074	0	0	0	0	10	1.5	2.0	light russet skin
CO05228-4R	372	478	78	20	78	0	2	1.070	0	0	0	0	10	1.5	2.0	2.0 common scab, small uniform tuber size
W8516-1Rus	369	461	80	17	70	10	3	1.069	1	2	0	0	10	1.5	3.0	0.5 alligator Hide, enlarged lenticels
MSQ086-3	369	394	94	3	94	0	3	1.075	0	1	0	0	10	1.0	2.5	0.5 common scab, bright skin appearance
W9746-4R	368	466	79	21	79	0	0	1.064	0	4	0	0	10	2.0	2.5	1.5 common scab, medium red skin color
W8722-1Rus	364	450	81	16	78	3	3	1.064	0	2	0	0	10	1.5	2.5	heavy russetting on skin, medium tuber size
W8152-1Rus	329	412	80	19	73	7	1	1.070	8	0	0	0	10	1.5	2.5	1.0 common scab, 0.5 alligator hide
Silverton Russet	320	348	92	8	57	35	0	1.060	7	0	0	2	10	1.5	2.5	0.5 alligator Hide
Dark Red Norland	289	384	75	22	75	0	3	1.058	0	2	0	0	10	2.5	2.5	0.5 common scab, light red skin color, oval oblong tuber type
CO04233-1Rus	239	412	58	40	56	2	2	1.073	1	1	0	0	10	1.5	2.5	2.0 pinkeye, 2.0 alligator hide, heavy russeted skin
W6703-1Y	224	260	86	14	86	0	0	1.065	0	0	0	0	10	1.5	2.0	0.5 common scab, smooth skin, medium yellow flesh
CO04220-7Rus	210	343	61	33	61	0	6	1.067	5	2	0	0	10	1.5	3.5	1.0 alligator Hide, 0.0 common scab
CO05211-4R	204	328	62	35	62	0	3	1.067	0	9	0	0	10	1.5	3.0	1.0 common scab, small tuber size, dark red skin color, oblong tuber type
MEAN	472	546						1.069								tr = trace, sl = slight, NA = not available SED = stem end defect, gc = growth crack

¹SIZE
Bs: < 1 7/8" or < 4 oz.
As: 1 7/8" - 3.25" or 4 - 10 oz.
OV: > 3.25" or > 10 oz.
PO: Pickouts

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

³VINE VIGOR RATING
Date Taken: 20-Jun-13
Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁴VINE MATURITY RATING
Date Taken: 27-Aug-13
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

Planted: 24-May-13
Vines Killed: 28-Aug-13
Days from Planting to Vine Kill: 96
Seed Spacing: 10" White, Yellow and Red; 12" Russet
Fumigation

⁵MAWN STATION: Gavlord
Planting to Vine Kill

2013 Freshpack Potato Variety Trial VanDamme Farms, Delta County, MI

Harvest 9-Oct-13 131 Days

DD, Base 40⁵ 2254

LINE	CWT/A		PERCENT OF TOTAL ¹						TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MATURITY ⁴	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS	BC				
Reba	478	518	92	1	39	53	7	1.071	0	0	0	0	10	4.0	3.0	should have killed earlier
AF3362-1Rus	428	464	92	5	37	55	3	1.075	0	2	0	0	10	4.0	4.0	should have killed earlier, nice tuber type
Russet Norkotah	424	468	91	9	49	42	0	1.072	0	1	0	0	10	4.0	3.0	
W6002-1R	421	500	84	11	71	13	5	1.070	0	0	0	0	10	3.5	3.0	nice tuber type
NY140	389	415	94	3	55	39	3	1.079	0	1	0	0	10	4.5	4.5	
MSM288-2Y	368	407	90	3	76	14	7	1.077	0	0	0	0	10	4.5	4.0	nice tuber type, nice uniform flesh
W9433-1Rus	365	405	91	4	46	45	5	1.074	0	3	0	0	10	4.0	2.5	pear shape tuber type
W9739-2Rus	360	445	81	13	55	26	6	1.073	0	0	0	0	10	3.5	3.0	nice overall appearance
Silverton Russet	347	438	80	11	44	36	9	1.069	0	0	0	0	10	4.0	4.0	
W8722-1Rus	339	392	87	5	51	36	8	1.071	0	1	0	0	10	2.0	3.5	
Red Norland	326	420	78	5	64	14	17	1.060	0	0	1	0	10	4.0	3.0	

Continued on Next Page

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MATURITY ⁴	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
W9161-3Rus	315	385	81	17	64	17	2	1.072	0	2	0	0	10	3.5	4.0	nice long tuber type
MSJ126-9Y	308	360	86	1	59	27	13	1.076	0	0	0	0	10	3.5	4.0	
W6703-1Y	292	323	90	7	86	4	3	1.078	0	0	1	0	10	4.0	2.5	needed more time
NY151	287	356	81	9	81	0	10	1.064	0	0	0	0	10	3.5	3.0	
W8152-1Rus	276	331	84	14	66	18	2	1.080	1	2	0	0	10	4.5	3.0	
W8405-1R	266	311	85	5	84	1	10	1.064	0	0	0	0	10	4.0	4.5	
NY141	265	404	66	3	37	29	31	1.077	0	1	0	0	10	4.5	3.5	nice tuber type
MSQ440-2	227	257	88	8	61	27	4	1.064	0	0	0	0	10	3.0	3.0	
W6703-5Y	227	269	84	5	74	10	11	1.067	0	0	0	0	10	3.0	3.5	
MSQ086-3	213	279	77	3	72	5	20	1.069	0	0	0	0	10	3.0	4.5	
W8516-1Rus	203	264	77	19	61	16	4	1.074	0	3	0	0	10	3.0	3.0	
MEAN	428	473						1.073								

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

SED = stem end defect, gc = growth crack

¹SIZE
Bs: < 1 7/8" or <4oz.
As: 1 7/8" - 3.25" or 4-10oz.
OV: > 3.25" or >10oz.
PO: Pickouts

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

³VINE VIGOR RATING
Date Taken: 12-Jun-13
Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁴VINE MATURITY RATING
Date Taken: 28-Aug-13
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

Planted: 31-May-13
Vines Killed: 1-Sep-13
Days from Planting to Vine Kill: 93
Seed Spacing : 10" and 12"
No Fumigation

⁵MAWN STATION: Escanaba
Planting to Vine Kill

2013 Michigan NFPT Trial Walther Farms - St. Joseph County

Harvest: 23-Oct-13 Days 165

DD, Base 40⁵ 3126

Line	CWT/A		PERCENT OF TOTAL ¹					SP GR	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MAT ⁴	COMMENTS
	US# 1	Total	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
AW071022-4Rus	202	796	41	17	30	11	42	1.066	1	2	1	0	10	NA	NA	
MN09152BW-01Rus	261	779	80	11	63	17	9	1.076	0	0	0	0	10	NA	NA	
Russet Norkotah Rep 3	315	735	80	7	59	21	13	1.061	1	2	0	0	10	NA	NA	
Umatilla	193	719	45	5	45	0	50	1.076	0	0	0	0	10	NA	NA	
AF4320-7	245	713	78	6	54	24	16	1.070	0	4	0	0	10	NA	NA	
AF3362-1 Rep 2	386	713	93	1	54	39	6	1.067	0	0	0	0	10	NA	NA	
AF4198-2	197	669	53	8	45	8	39	1.069	0	0	0	0	10	NA	NA	
AF4347-1	165	655	62	8	56	6	30	1.070	0	2	0	0	10	NA	NA	
AF4124-7 Rep 2	281	642	84	5	52	32	11	1.069	1	0	0	0	10	NA	NA	
AO96141-3	75	637	44	10	44	0	45	1.070	0	0	0	0	10	NA	NA	
AF4172-2	326	633	71	21	64	7	7	1.072	0	0	0	0	10	NA	NA	
AF3362-1 Rep 1	265	621	84	3	53	30	14	1.068	0	0	0	0	10	NA	NA	
MN09079BB-01Rus	156	618	66	24	66	0	10	1.070	8	0	0	0	10	NA	NA	
Russet Norkotah LT Rep 1	223	616	79	8	52	27	12	1.068	4	0	0	0	10	NA	NA	
AC00395-2Rus	166	614	67	16	57	10	17	1.083	0	0	0	0	10	NA	NA	
W9133-1Rus	395	605	94	5	48	45	1	1.060	1	0	1	0	10	NA	NA	
W8152-1Rus	292	604	79	6	72	7	15	1.073	0	0	0	0	10	NA	NA	
ND060735-4Rus	270	604	81	14	52	30	4	1.072	0	0	0	0	10	NA	NA	
Palisade Rus	72	603	35	7	35	0	57	1.083	1	0	0	0	10	NA	NA	
MN10001PLWR-03Rus	217	602	74	6	67	7	20	1.066	0	0	1	0	10	NA	NA	
Dakota Trailblazer	158	587	87	6	83	4	7	1.088	2	0	0	0	10	NA	NA	

AF4124-4 Rep 2	120	584	63	12	53	11	25	1.073	0	0	0	0	10	NA	NA
AF4342-3 Rep 2	89	584	64	5	63	2	31	1.082	1	3	0	0	10	NA	NA
A03141-6	167	581	77	15	77	0	8	1.077	0	0	0	0	10	NA	NA
CO05175-1Rus	224	575	73	9	67	6	18	1.075	2	0	0	0	10	NA	NA
A03921-2	205	575	87	9	68	18	4	1.085	0	0	0	0	10	NA	NA
Russet Norkotah LT Rep 2	256	558	63	15	37	25	23	1.067	1	2	0	0	10	NA	NA
AO0057-2	172	555	68	14	52	15	18	1.076	0	0	0	1	10	NA	NA
CO05068-1Rus	120	549	75	10	71	4	15	1.086	2	0	0	0	10	NA	NA
W9519-1Rus	105	547	72	22	70	2	7	1.076	0	0	0	0	10	NA	NA
AF4113-2	156	543	72	20	62	10	7	1.068	0	0	0	0	10	NA	NA
AO06070-1RF	261	533	82	9	66	15	10	1.087	8	0	0	0	10	NA	NA
W9433-1Rus Rep 2	284	522	89	5	45	43	7	1.073	2	0	1	0	10	NA	NA
Russet Norkotah Rep 1	132	521	56	8	41	14	36	1.057	0	0	0	0	10	NA	NA
AF4296-3	142	517	79	11	79	0	11	1.073	0	0	0	0	10	NA	NA
AF4342-3 Rep 1	142	515	63	8	60	2	30	1.084	0	0	0	0	10	NA	NA
AO01116-4	101	514	62	7	53	9	31	1.080	1	0	0	0	10	NA	NA
Premier Rus	274	514	80	15	57	23	5	1.075	9	0	0	0	10	NA	NA
MN08155BW-01Rus	234	513	63	20	63	0	17	1.072	2	2	0	0	10	NA	NA
Teton Rus	151	513	70	12	59	11	18	1.062	2	0	0	0	10	NA	NA
A01325-1	153	513	85	5	82	2	10	1.079	0	0	0	1	10	NA	NA
AND97279-5Rus	166	511	62	20	62	0	18	1.086	0	1	1	0	10	NA	NA
CO05024-11Rus	149	506	85	10	79	6	5	1.071	0	0	0	0	10	NA	NA
A06021-T	180	503	80	18	69	11	2	1.074	0	0	0	0	10	NA	NA
CO05132-2Rus	231	502	69	16	36	33	15	1.062	5	0	2	0	10	NA	NA
W9433-1Rus Rep 1	198	501	89	2	56	32	9	1.079	0	0	0	0	10	NA	NA
AF4124-7 Rep 1	281	499	86	4	52	35	10	1.077	0	1	0	0	10	NA	NA
A06084-1TE	202	497	76	7	41	35	17	1.070	3	0	0	0	10	NA	NA

W9752-1Rus	197	493	81	7	73	7	12	1.076	0	0	3	0	10	NA	NA
CO03276-5Rus	184	491	60	13	45	15	27	1.070	2	0	0	0	10	NA	NA
A03148-2TE	140	487	77	7	77	0	17	1.071	0	2	0	0	10	NA	NA
Russet Norkotah Rep 2	183	484	70	13	42	28	17	1.062	2	0	0	0	10	NA	NA
AC99375-1Rus	169	477	35	15	35	0	50	1.087	0	0	0	0	10	NA	NA
WND8625-2Rus	174	473	89	4	89	0	7	1.070	0	2	0	0	10	NA	NA
AF4124-4 Rep 1	145	473	52	16	39	13	32	1.068	0	0	0	0	10	NA	NA
W6234-4Rus Rep 1	129	473	88	11	76	12	1	1.073	0	0	0	0	10	NA	NA
AW07966-1Rus	238	471	55	20	55	0	25	1.075	0	8	1	0	10	NA	NA
A02507-2LB	148	468	71	10	50	21	19	1.079	0	0	0	0	10	NA	NA
W6234-4Rus Rep 2	231	464	79	9	69	11	11	1.072	0	2	0	0	10	NA	NA
Russet Norkotah LT Rep 3	146	463	73	6	54	19	21	1.066	2	1	0	0	10	NA	NA
AF3001-6 Rep 2	207	461	68	7	40	29	25	1.076	0	0	0	0	10	NA	NA
ND049546b-10Rus	130	461	86	7	78	8	7	1.073	0	0	0	0	10	NA	NA
WND8624-2Rus	232	461	83	15	79	5	1	1.072	0	0	0	0	10	NA	NA
AF4040-1 Rep 1	126	454	74	11	65	9	15	1.070	0	0	0	0	10	NA	NA
MN10013PLWR-03LR	242	452	82	14	80	2	4	1.056	0	0	0	0	10	NA	NA
W9741-2Rus	173	446	68	12	61	8	20	1.068	2	0	0	2	10	NA	NA
AF4040-1 Rep 2	167	437	79	14	62	17	7	1.074	0	0	0	0	10	NA	NA
AO06191	180	432	88	10	54	33	2	1.075	0	4	0	0	10	NA	NA
CO05110-6Rus	124	428	64	16	52	13	20	1.064	0	1	0	0	10	NA	NA
Silverton Russet Rep 2	113	425	56	26	56	0	19	1.062	0	0	0	0	10	NA	NA
AW06874-1Rus	112	425	64	20	64	0	16	1.081	0	3	0	0	10	NA	NA
AF4283-1	140	423	65	19	50	16	16	1.072	0	0	1	0	10	NA	NA
CO5040-1Rus	117	417	48	30	48	0	22	1.061	0	0	0	0	10	NA	NA
A06003-3TE	246	412	68	12	33	36	20	1.070	0	2	1	0	10	NA	NA
AF4320-17 Rep 2	217	409	70	27	35	34	3	1.071	3	1	0	0	10	NA	NA

Dakota Russet	142	409	75	22	75	0	2	1.080	0	0	0	0	10	NA	NA
AF3001-6 Rep 1	209	406	68	8	39	29	24	1.070	0	0	2	0	10	NA	NA
Silverton Russet Rep 1	115	400	60	24	52	8	15	1.064	1	1	0	0	10	NA	NA gc in pickouts
Silverton Russet Rep 3	88	398	64	30	56	8	6	1.065	0	0	0	0	10	NA	NA
A0012-5	61	390	77	8	75	3	15	1.070	10	0	0	0	10	NA	NA
QSNDSU10-09Rus	187	385	70	13	70	0	17	1.079	1	0	1	0	10	NA	NA
W9483-1Rus	126	376	64	15	61	3	21	1.069	0	0	0	0	10	NA	NA
MN07257BB-01Rus	240	375	71	27	68	2	3	1.077	0	0	0	0	10	NA	NA
AF4320-17 Rep 1	156	365	72	21	72	0	7	1.074	0	3	0	0	10	NA	NA
A05052-3TE	120	350	76	13	76	0	11	1.087	1	1	0	0	10	NA	NA
A02138-2	72	343	35	54	35	0	11	1.072	0	0	0	0	10	NA	NA
MN09034BW-01Rus	178	330	65	28	65	0	7	1.057	0	3	0	0	10	NA	NA
MN10013PLWR-02LW	167	326	51	39	51	0	10	1.061	0	0	0	0	10	NA	NA
AO02060-3	54	314	47	16	47	0	37	1.068	0	0	0	0	10	NA	NA
A0073-2	56	311	54	42	54	0	4	1.079	0	0	2	0	10	NA	NA
CO05149-3Rus	94	299	48	25	42	6	27	1.061	1	0	0	0	10	NA	NA
W8743-1Rus	90	275	58	42	58	0	0	1.088	0	0	0	0	10	NA	NA
A07001-7TE	134	273	69	30	69	0	1	1.056	0	0	0	0	10	NA	NA
MN09135BW-01Rus	48	204	23	67	23	0	10	1.072	0	4	0	0	10	NA	NA

MEAN 178 499

1.072

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

¹ SIZE	² TUBER QUALITY (number of tubers per total cut)	³ VINE VIGOR RATING	⁴ VINE MATURITY RATING	Planted:	11-May-13
Bs: < 1 7/8" or < 4 oz.	HH: Hollow Heart	Date Taken:	Date Taken:	Vines Killed:	28-Aug-13
As: 1 7/8" - 3.25" or 4 - 10 oz.	VD: Vascular Discoloration	Ratings: 1 - 5	Ratings: 1 - 5	Days from Planting to Vine Kill:	109
OV: > 3.25" or > 10 oz.	IBS: Internal Brown Spot	1: Slow Emergence	1: Early (Vines Completely Dead)	Seed Spacing :	12"
PO: Pickouts	BC: Brown Center	5: Early Emergence (vigorous vine, some flowering)	5: Late (vigorous vine, some flowering)	No fumigation	

⁵MAWN STATION: Mendon

2013 Michigan NFPT Trial Walther Farms - St. Joseph County

Harvest: 23-Oct-13 Days 165

DD, Base 40⁵ 3126

Line	CWT/A		PERCENT OF TOTAL ¹					SP GR	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MAT ⁴	COMMENTS
	US# 1	Total	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
AW071022-4Rus	202	796	41	17	30	11	42	1.066	1	2	1	0	10	NA	NA	
MN09152BW-01Rus	261	779	80	11	63	17	9	1.076	0	0	0	0	10	NA	NA	
Russet Norkotah Rep 3	315	735	80	7	59	21	13	1.061	1	2	0	0	10	NA	NA	
Umatilla	193	719	45	5	45	0	50	1.076	0	0	0	0	10	NA	NA	
AF4320-7	245	713	78	6	54	24	16	1.070	0	4	0	0	10	NA	NA	
AF3362-1 Rep 2	386	713	93	1	54	39	6	1.067	0	0	0	0	10	NA	NA	
AF4198-2	197	669	53	8	45	8	39	1.069	0	0	0	0	10	NA	NA	
AF4347-1	165	655	62	8	56	6	30	1.070	0	2	0	0	10	NA	NA	
AF4124-7 Rep 2	281	642	84	5	52	32	11	1.069	1	0	0	0	10	NA	NA	
AO96141-3	75	637	44	10	44	0	45	1.070	0	0	0	0	10	NA	NA	
AF4172-2	326	633	71	21	64	7	7	1.072	0	0	0	0	10	NA	NA	
AF3362-1 Rep 1	265	621	84	3	53	30	14	1.068	0	0	0	0	10	NA	NA	
MN09079BB-01Rus	156	618	66	24	66	0	10	1.070	8	0	0	0	10	NA	NA	
Russet Norkotah LT Rep 1	223	616	79	8	52	27	12	1.068	4	0	0	0	10	NA	NA	
AC00395-2Rus	166	614	67	16	57	10	17	1.083	0	0	0	0	10	NA	NA	
W9133-1Rus	395	605	94	5	48	45	1	1.060	1	0	1	0	10	NA	NA	
W8152-1Rus	292	604	79	6	72	7	15	1.073	0	0	0	0	10	NA	NA	
ND060735-4Rus	270	604	81	14	52	30	4	1.072	0	0	0	0	10	NA	NA	
Palisade Rus	72	603	35	7	35	0	57	1.083	1	0	0	0	10	NA	NA	
MN10001PLWR-03Rus	217	602	74	6	67	7	20	1.066	0	0	1	0	10	NA	NA	
Dakota Trailblazer	158	587	87	6	83	4	7	1.088	2	0	0	0	10	NA	NA	

AF4124-4 Rep 2	120	584	63	12	53	11	25	1.073	0	0	0	0	10	NA	NA
AF4342-3 Rep 2	89	584	64	5	63	2	31	1.082	1	3	0	0	10	NA	NA
A03141-6	167	581	77	15	77	0	8	1.077	0	0	0	0	10	NA	NA
CO05175-1Rus	224	575	73	9	67	6	18	1.075	2	0	0	0	10	NA	NA
A03921-2	205	575	87	9	68	18	4	1.085	0	0	0	0	10	NA	NA
Russet Norkotah LT Rep 2	256	558	63	15	37	25	23	1.067	1	2	0	0	10	NA	NA
AO0057-2	172	555	68	14	52	15	18	1.076	0	0	0	1	10	NA	NA
CO05068-1Rus	120	549	75	10	71	4	15	1.086	2	0	0	0	10	NA	NA
W9519-1Rus	105	547	72	22	70	2	7	1.076	0	0	0	0	10	NA	NA
AF4113-2	156	543	72	20	62	10	7	1.068	0	0	0	0	10	NA	NA
AO06070-1RF	261	533	82	9	66	15	10	1.087	8	0	0	0	10	NA	NA
W9433-1Rus Rep 2	284	522	89	5	45	43	7	1.073	2	0	1	0	10	NA	NA
Russet Norkotah Rep 1	132	521	56	8	41	14	36	1.057	0	0	0	0	10	NA	NA
AF4296-3	142	517	79	11	79	0	11	1.073	0	0	0	0	10	NA	NA
AF4342-3 Rep 1	142	515	63	8	60	2	30	1.084	0	0	0	0	10	NA	NA
AO01116-4	101	514	62	7	53	9	31	1.080	1	0	0	0	10	NA	NA
Premier Rus	274	514	80	15	57	23	5	1.075	9	0	0	0	10	NA	NA
MN08155BW-01Rus	234	513	63	20	63	0	17	1.072	2	2	0	0	10	NA	NA
Teton Rus	151	513	70	12	59	11	18	1.062	2	0	0	0	10	NA	NA
A01325-1	153	513	85	5	82	2	10	1.079	0	0	0	1	10	NA	NA
AND97279-5Rus	166	511	62	20	62	0	18	1.086	0	1	1	0	10	NA	NA
CO05024-11Rus	149	506	85	10	79	6	5	1.071	0	0	0	0	10	NA	NA
A06021-T	180	503	80	18	69	11	2	1.074	0	0	0	0	10	NA	NA
CO05132-2Rus	231	502	69	16	36	33	15	1.062	5	0	2	0	10	NA	NA
W9433-1Rus Rep 1	198	501	89	2	56	32	9	1.079	0	0	0	0	10	NA	NA
AF4124-7 Rep 1	281	499	86	4	52	35	10	1.077	0	1	0	0	10	NA	NA
A06084-1TE	202	497	76	7	41	35	17	1.070	3	0	0	0	10	NA	NA

W9752-1Rus	197	493	81	7	73	7	12	1.076	0	0	3	0	10	NA	NA
CO03276-5Rus	184	491	60	13	45	15	27	1.070	2	0	0	0	10	NA	NA
A03148-2TE	140	487	77	7	77	0	17	1.071	0	2	0	0	10	NA	NA
Russet Norkotah Rep 2	183	484	70	13	42	28	17	1.062	2	0	0	0	10	NA	NA
AC99375-1Rus	169	477	35	15	35	0	50	1.087	0	0	0	0	10	NA	NA
WND8625-2Rus	174	473	89	4	89	0	7	1.070	0	2	0	0	10	NA	NA
AF4124-4 Rep 1	145	473	52	16	39	13	32	1.068	0	0	0	0	10	NA	NA
W6234-4Rus Rep 1	129	473	88	11	76	12	1	1.073	0	0	0	0	10	NA	NA
AW07966-1Rus	238	471	55	20	55	0	25	1.075	0	8	1	0	10	NA	NA
A02507-2LB	148	468	71	10	50	21	19	1.079	0	0	0	0	10	NA	NA
W6234-4Rus Rep 2	231	464	79	9	69	11	11	1.072	0	2	0	0	10	NA	NA
Russet Norkotah LT Rep 3	146	463	73	6	54	19	21	1.066	2	1	0	0	10	NA	NA
AF3001-6 Rep 2	207	461	68	7	40	29	25	1.076	0	0	0	0	10	NA	NA
ND049546b-10Rus	130	461	86	7	78	8	7	1.073	0	0	0	0	10	NA	NA
WND8624-2Rus	232	461	83	15	79	5	1	1.072	0	0	0	0	10	NA	NA
AF4040-1 Rep 1	126	454	74	11	65	9	15	1.070	0	0	0	0	10	NA	NA
MN10013PLWR-03LR	242	452	82	14	80	2	4	1.056	0	0	0	0	10	NA	NA
W9741-2Rus	173	446	68	12	61	8	20	1.068	2	0	0	2	10	NA	NA
AF4040-1 Rep 2	167	437	79	14	62	17	7	1.074	0	0	0	0	10	NA	NA
AO06191	180	432	88	10	54	33	2	1.075	0	4	0	0	10	NA	NA
CO05110-6Rus	124	428	64	16	52	13	20	1.064	0	1	0	0	10	NA	NA
Silverton Russet Rep 2	113	425	56	26	56	0	19	1.062	0	0	0	0	10	NA	NA
AW06874-1Rus	112	425	64	20	64	0	16	1.081	0	3	0	0	10	NA	NA
AF4283-1	140	423	65	19	50	16	16	1.072	0	0	1	0	10	NA	NA
CO5040-1Rus	117	417	48	30	48	0	22	1.061	0	0	0	0	10	NA	NA
A06003-3TE	246	412	68	12	33	36	20	1.070	0	2	1	0	10	NA	NA
AF4320-17 Rep 2	217	409	70	27	35	34	3	1.071	3	1	0	0	10	NA	NA

Dakota Russet	142	409	75	22	75	0	2	1.080	0	0	0	0	10	NA	NA
AF3001-6 Rep 1	209	406	68	8	39	29	24	1.070	0	0	2	0	10	NA	NA
Silverton Russet Rep 1	115	400	60	24	52	8	15	1.064	1	1	0	0	10	NA	NA gc in pickouts
Silverton Russet Rep 3	88	398	64	30	56	8	6	1.065	0	0	0	0	10	NA	NA
A0012-5	61	390	77	8	75	3	15	1.070	10	0	0	0	10	NA	NA
QSNDSU10-09Rus	187	385	70	13	70	0	17	1.079	1	0	1	0	10	NA	NA
W9483-1Rus	126	376	64	15	61	3	21	1.069	0	0	0	0	10	NA	NA
MN07257BB-01Rus	240	375	71	27	68	2	3	1.077	0	0	0	0	10	NA	NA
AF4320-17 Rep 1	156	365	72	21	72	0	7	1.074	0	3	0	0	10	NA	NA
A05052-3TE	120	350	76	13	76	0	11	1.087	1	1	0	0	10	NA	NA
A02138-2	72	343	35	54	35	0	11	1.072	0	0	0	0	10	NA	NA
MN09034BW-01Rus	178	330	65	28	65	0	7	1.057	0	3	0	0	10	NA	NA
MN10013PLWR-02LW	167	326	51	39	51	0	10	1.061	0	0	0	0	10	NA	NA
AO02060-3	54	314	47	16	47	0	37	1.068	0	0	0	0	10	NA	NA
A0073-2	56	311	54	42	54	0	4	1.079	0	0	2	0	10	NA	NA
CO05149-3Rus	94	299	48	25	42	6	27	1.061	1	0	0	0	10	NA	NA
W8743-1Rus	90	275	58	42	58	0	0	1.088	0	0	0	0	10	NA	NA
A07001-7TE	134	273	69	30	69	0	1	1.056	0	0	0	0	10	NA	NA
MN09135BW-01Rus	48	204	23	67	23	0	10	1.072	0	4	0	0	10	NA	NA

MEAN 178 499

1.072

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

¹ SIZE	² TUBER QUALITY (number of tubers per total cut)	³ VINE VIGOR RATING	⁴ VINE MATURITY RATING	Planted:	11-May-13
Bs: < 1 7/8" or < 4 oz.	HH: Hollow Heart	Date Taken:	Date Taken:	Vines Killed:	28-Aug-13
As: 1 7/8" - 3.25" or 4 - 10 oz.	VD: Vascular Discoloration	Ratings: 1 - 5	Ratings: 1 - 5	Days from Planting to Vine Kill:	109
OV: > 3.25" or > 10 oz.	IBS: Internal Brown Spot	1: Slow Emergence	1: Early (Vines Completely Dead)	Seed Spacing :	12"
PO: Pickouts	BC: Brown Center	5: Early Emergence (vigorous vine, some flowering)	5: Late (vigorous vine, some flowering)	No fumigation	

⁵MAWN STATION: Mendon

2013 Russet Pinkeye Variety Trial

Walther Farms, St. Joseph County, MI

Harvest 16-Sep-13 136 Days
DD, Base 40⁶ 3308

LINE	CWT/A		PERCENT OF TOTAL ¹					TUBER QUALITY ²					TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	PINK EYE ³	ALLIGATOR HIDE ⁷	COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS	BC							
W9433-1Rus	975	1149	85	4	53	32	11	1.084	0	2	4	0	10	2.5	NA	0.5	1.5	misshapen in pickouts	
Russet Norkotah LT	871	1021	86	8	73	13	6	1.086	1	6	0	0	10	2.0	NA	2.5	3.5	misshapen in pickouts	
Silverton Russet	711	866	82	11	69	13	7	1.077	0	4	0	0	10	3.0	NA	1.0	2.0		
Russet Norkotah	665	814	82	7	66	16	11	1.076	0	6	0	0	10	2.5	NA	1.5	3.5	misshapen pickouts	
AF3362-1Rus	637	753	85	10	72	13	5	1.082	0	7	1	0	10	2.5	NA	1.0	0.0		
W8152-1Rus	549	663	83	10	80	3	7	1.085	1	1	0	0	10	3.5	NA	1.5	2.5		
W9161-3Rus	548	710	77	8	69	8	15	1.079	0	2	0	0	10	2.0	NA	1.0	2.0	one tuber with glassy end, misshapen in pickouts	
A02062-1TERus	537	705	76	16	57	19	8	1.076	0	6	0	0	10	2.0	NA	0.5	1.5	4 tubers with glassy ends	
W8722-1Rus	531	665	80	7	64	16	13	1.077	0	5	0	0	10	1.5	NA	0.0	1.0	gc and misshapen in pickouts	
W8516-1Rus	516	704	74	14	68	6	12	1.076	0	8	0	0	10	2.5	NA	0.5	1.0		
W9739-2Rus	398	608	66	29	60	6	5	1.081	0	3	1	0	10	2.0	NA	0.5	0.0	0.5 common scab	
CO04233-1Rus	369	491	75	12	70	5	13	1.077	0	4	0	0	10	1.5	NA	0.0	1.5	gc, misshapen and points in pickouts	
CO04220-7Rus	328	541	61	37	56	5	2	1.074	1	5	0	0	10	3.0	NA	2.0	3.0	misshapen in pickouts	
MEAN	609	762						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 PINKEYE RATING	⁴ VINE VIGOR RATING	⁵ VINE MATURITY RATING	⁷ ALLIGATOR HIDE RATING	Planted:	3-May-13
Bs: < 4 oz.	HH: Hollow Heart	0.0: No incidence of pink coloration	Date Taken: 5-Jun-13	Date Taken: NA	0.0: No incidence of raised corky skin spots	Vines Killed:	28-Aug-13
As: 4-10 oz.	VD: Vascular Discoloration	2.0: Pink coloration, cracking of periderm	Ratings: 1 - 5	Ratings: 1 - 5	2.0: Unmarketable corky skin spots	Days from Planting to Vine Kill:	117
OV: > 10 oz.	IBS: Internal Brown Spot	5.0: Large, pink, buffy areas	1: Slow Emergence	1: Early (vines completely dead)	5.0: Multiple, large corky skin lesions, covering a significant amount of surface area of the tuber	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: Constantine	
						Planting to Vine Kill	

2013 Russet Freshpack Potato Variety Trial Walther Farms - St. Joseph County

Harvest: 24-Oct-13 166 Days

DD, Base 40⁵ 3126

Line	CWT/A		PERCENT OF TOTAL ¹					SP GR	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ³	VINE MAT ⁴	COMMENTS
	US# 1	Total	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
W8152-1Rus	458	535	86	6	84	2	8	1.084	3	2	0	0	40	NA	NA	3.0 alligator hide
AF3362-1Rus*	442	571	76	5	51	25	19	1.072	0	3	0	0	10	NA	NA	1.5 alligator hide
CO05189-3Rus	418	541	77	8	27	50	15	1.065	0	0	0	0	10	NA	NA	nice blocky type
W9739-2Rus	414	539	77	19	77	0	4	1.075	0	3	0	0	40	NA	NA	2.5 alligator hide
CO05189-2Rus	413	621	67	17	62	5	16	1.071	0	0	0	0	40	NA	NA	0.5 alligator hide
W9433-1Rus	410	581	70	5	56	14	25	1.075	0	0	1	0	10	NA	NA	0.5 alligator hide, nice blocky appearance
A03158-2TERus*	400	577	69	10	62	7	21	1.077	1	0	0	0	30	NA	NA	2.0 alligator hide
CO05132-2Rus	394	486	82	9	65	17	9	1.072	4	15	0	0	40	NA	NA	3.0 alligator hide
CO05110-6Rus	380	518	74	11	62	12	15	1.075	3	6	0	0	40	NA	NA	1.0 alligator hide
W8516-1Rus	379	524	72	10	55	17	18	1.064	14	2	0	0	40	NA	NA	2.0 alligator hide
CO05024-11Rus	355	482	74	12	64	10	14	1.074	5	0	0	0	40	NA	NA	1.0 alligator hide
Russet Norkotah	352	565	62	7	44	18	31	1.064	5	0	0	0	40	NA	NA	1.5 alligator hide

Continued on Next Page

Line	CWT/A		PERCENT OF TOTAL ¹					TUBER QUALITY ²					TOTAL	VINE	VINE	COMMENTS
	US# 1	Total	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS	BC	CUT	VIGOR ⁴	MAT ⁵	
CO04233-1Rus	335	416	80	11	72	8	9	1.068	5	4	0	0	40	NA	NA	2.5 alligator hide
CO05175-1Rus	304	458	66	11	63	3	23	1.078	2	3	0	0	40	NA	NA	0.0 alligator hide
CO04220-7Rus	298	489	60	20	59	1	20	1.068	0	13	2	0	40	NA	NA	0.5 alligator hide
CO05068-1Rus	288	424	68	14	67	1	18	1.089	5	1	2	0	40	NA	NA	0.5 alligator hide
W8722-1Rus	269	376	71	12	70	1	17	1.070	0	2	0	0	40	NA	NA	2.0 alligator hide, heat sprouts
W9161-3Rus	268	494	55	5	52	3	40	1.064	0	0	0	0	40	NA	NA	2.5 alligator hide, tubular tuber type
CO05040-1Rus	263	474	55	22	55	0	23	1.065	0	4	0	0	40	NA	NA	3.0 alligator hide, small tubular tuber type, misshapen tuber type, not uniform
Russet Norkotah LT	238	454	53	9	46	7	38	1.071	5	3	0	0	40	NA	NA	1.0 alligator hide
A02062-1TERus	234	569	41	7	29	12	52	1.066	1	5	0	0	40	NA	NA	0.0 alligator hide
CO05149-3Rus	220	444	49	25	46	3	26	1.074	4	1	0	0	40	NA	NA	1.0 Pinkeye, 1.0 alligator hide
Silverton Russet	172	380	45	37	42	3	18	1.080	0	1	0	2	40	NA	NA	2.0 Pinkeye, 2.0 alligator hide
CO05152-5Rus	134	550	24	30	24	0	46	1.073	0	9	0	0	40	NA	NA	0.5 alligator hide, gc and points in pickouts
MEAN	327	503						1.072								tr = trace, sl = slight, NA = not available

SED = stem end defect

All values are an average taken from four replications

*Values are an average taken from three replications

¹ SIZE	² TUBER QUALITY (number of tubers per total cut)	³ VINE VIGOR RATING	⁴ VINE MATURITY RATING	Planted:	11-May-13
Bs: < 1 7/8" or < 4 oz.	HH: Hollow Heart	Date Taken: NA	Date Taken: NA	Vines Killed:	28-Aug-13
As: 1 7/8" - 3.25" or 4 - 10 oz.	VD: Vascular Discoloration	Ratings: 1 - 5	Ratings: 1 - 5	Days from Planting to Vine Kill:	109
OV: > 3.25" or > 10 oz.	IBS: Internal Brown Spot	1: Slow Emergence	1: Early (Vines Completely Dead)	Seed Spacing :	12"
PO: Pickouts	BC: Brown Center	5: Early Emergence (vigorous vine, some flowering)	5: Late (vigorous vine, some flowering)	No fumigation	

⁵MAWN STATION: Mendon
Planting to Vine Kill

2013 MSU Tablestock Potato Variety Trials

Entry	Pedigree	2013 Scab Rating*	Characteristics
Goldrush Russet (ND1538-1Rus)	ND450-3Rus X Lemhi Russet	0.8**	Medium maturity, oblong-blocky to long tubers, bright white flesh, common scab resistance, average yield potential
Katahdin	USDA 40568 X USDA 24642	1.0	Medium to high yield, medium specific gravity, shallow eyes and uniform round to oblong shape, smooth white skin, common scab susceptible
Onaway	USDA X96-56 X Katahdin	2.3	High yield, early maturity, round tuber type, low specific gravity, smooth skin, white flesh, medium deep eyes, few internal defects
Reba (NY 87)	Monona X Allegany	2.6	High yield, bright tuber appearance, low incidence of internal defects, mid to late season maturity, medium-low specific gravity
Red Norland	ND 626 X Red Kote	2.0	Early maturity, medium yield, low specific gravity, smooth round to oblong tubers, medium red skin color
Russet Norkotah (ND534-4Rus)	ND9526-4Rus X ND9687-5Rus	2.5	Average yield, mid-season maturity, long to oblong tubers, heavy russet skin, low specific gravity
Russet Norkotah LT	Russet Norkotah Line Selection	2.2**	Above average yield, medium to medium-late maturity, long to oblong tubers, heavy russet skin, low specific gravity, better vigor than standard Russet Norkotah
Silverton Russet (AC83064-6)	A76147-2 X A 7875-5	1.1	High yield, oblong to long blocky tuber type, medium netted russet skin, masks PVY, medium specific gravity, possible Sencor & Linuron susceptibility
A02062-1TERus	A97201-4 X A97299-1	0.3	Long tuber type, medium-heavy russeting, higher U.S. No. 1 yields and larger tuber size than Russet Norkotah, early to mid-season maturity
A03158-2TERus	A98292-2 x A98104-4	0.6	

*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
AF3362-1Rus	Reeves Kingpin X Silverton Russet	1.3**	Long to oblong, blocky russet tuber type with good yield, processing potential and generally good appearance, common scab tolerance, early bulking potential, medium netted russet skin, similar to Silverton Russet
CO04220-7Rus	CO96109-7Rus X Summit Russet	1.5	
CO04233-1Rus	CO97138-3Rus X Summit Russet	0.5	
CO05024-11Rus	Rio Grande Russet x Sage Russet	0.5	
CO05040-1Rus	Sage Russet x A96095-3	0.6	
CO05068-1Rus	AWN86514-2 x CO98009-3RU	1.3	
CO05110-6Rus	COA96054-3 x CO98009-3RU	2.0	
CO05132-2Rus	Blazer Russet x CO99100-1RU	0.5	
CO05149-3Rus	AC96052-1RU x CO99100-1RU	2.0	
CO05152-5Rus	AC99375-1RU x Blazer Russet	0.4	
CO05175-1Rus	CO94035-15RU x AC96052-1RU	1.1	

*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
CO05189-2Rus	CO97138-7RU x AC92009-4RU	4.1	
CO05189-3Rus	CO97138-7RU x AC92009-4RU	1.8	
CO05211-4R	CO98012-5R x CO00278-4R	1.0	
CO05228-4R	CO99256-2R x CO00292-9R	2.0	
MSJ126-9Y (McBride)	Penta X Op	1.1**	Medium yield, uniform A-size tubers, attractive appearance, good internal quality, mid-season storage potential, low-medium specific gravity, light yellow flesh, netted skin type
MSM288-2Y	MSG145-1 X MSA097-1Y	3.1	A deep yellow flesh selection similar in type to Yukon Gold, common scab susceptible, uniform tuber type, pink eyes on tubers
MSQ086-3	Onaway X Missaukee (MSJ461-1)	2.4	Good yield potential, nice round white tuber type, medium maturity, late blight resistance, good internal quality
MSQ440-2	MSK214-1R X Missaukee (MSJ461-1)	1.0	Average yield potential, uniform round tubers, very bright white skin, common scab tolerance
MSR214-2P	MI Purple X MSK247-9Y	2.3	Medium yield potential, common scab tolerant purple skin with white flesh
MSS576-05SPL	MSI005-20Y X MSL211-3	2.2	

*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
NY140	NY121 X NY115	3.0	Late season maturity, dual purpose chip and table stock, high yields of large tubers, lightly textured skin, resistant to race Ro1 of the golden nematode and moderately resistant to race Ro2
NY141	R6-4 X NY115	1.0	Early to mid-season, common scab resistant, low frequency of internal defects
NY151	NY 121 X Jacqueline Lee (MSG274-3)	0.5	Early season tablestock variety, large tuber set, small tuber size, bright appearance, smooth skin, shallow eyes, bright white flesh, intermediate common scab resistance
W6002-1R	B1491-5 X W1100R	2.1	Nice red color, very uniform tuber type with good market appeal, good skin set, medium-high yield
W6703-1Y	Satina X W2275-2Y	1.0	Good yield, medium maturity, slightly better shape than W6703-5Y, common scab tolerant, medium yellow flesh, buff to slightly netted skin type
W6703-5Y	Satina X W2275-2Y	1.0	Medium yield, medium to medium-late maturity, common scab tolerant, dark yellow flesh, buff to slightly netted skin type
W8152-1Rus	A93004-3Rus X CO94035-15Rus	2.1	High yield potential, blocky shape, high specific gravity, long storage potential
W8405-1R	Kankan X W2303-9R	1.9	Very high yield potential, later maturity than Red Norland, shallow eyes, good internal quality, attractive round oval tuber type, maintains red skin color in storage
W8516-1Rus	Silverton X Ranger Rus	-	High yield, medium-early; mature as early as Russet Norkotah, common scab resistant
W8722-1Rus	A9014-2Rus X W2683-2Rus	-	Yield similar to Russet Norkotah medium-late maturity, common scab resistance, dark russetting, many 6-8 oz. tubers

*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
W8886-3R	W2303-8R X B1491-5R	-	Early bulking, as early as Red Norland, nice red skin color and smooth tuber type
W8893-1R	W1101R X Dakota Rose	-	Early maturity, good yield, oval tuber type, nice uniform red skin color
W9161-3Rus		0.5	
W9433-1Rus	Calwhite X A96023-6	0.5	Light russet skin type, less internal defects than Russet Norkotah, tolerance to Verticillium Wilt and Early Blight, medium-late maturity, oblong to long blocky tuber type
W9739-2Rus		0.5	
W9746-4R		1.5	
W9765-3R		1.0	

*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.