

2016 Potato Outreach Program On-Farm Variety Trials

Data Summary: Tablestock (Non-russet) Variety Trials

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2016 Statewide Tablestock Potato Variety Trials Overall Averages- Ten Locations

LINE		CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ² (%)				COMMON SCAB		VINE	VINE	COMMENTS	
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS	BC	RATING ³	VIGOR ⁴		MATURITY ⁵
YELLOW SKIN TYPE	W9576-11Y ^{ag}	465	573	81	17	80	1	2	1.053	0	18	0	0	1.5	4.3	2.4	non-uniform tuber shape, pinkeye
	Yukon Gold ^{ah}	457	498	92	4	77	15	4	1.074	3	13	0	0	1.2	3.5	2.5	pinkish color around eyes, moderate yellow flesh
	Soraya ^{abcedegij}	447	552	79	8	71	8	13	1.056	0	24	1	0	0.2	3.6	3.3	dark yellow flesh, oblong tuber shape, sl alligator hide, misshapened pickouts
	Jelly ^{eg}	439	520	85	12	83	2	3	1.069	0	34	0	8	0.6	3.4	4.2	medium yellow flesh, oblong tuber shape
	MSV093-1Y ^{abcefgij}	437	507	84	9	70	14	7	1.064	0	34	0	0	0.5	3.8	3.8	round tuber shape, medium yellow flesh
	Lehigh ^{abcfjh}	428	463	93	3	72	21	4	1.066	3	28	0	0	0.8	3.1	3.1	medium yellow flesh, light netted skin
	Allora ^{hi}	425	531	81	14	78	3	5	1.063	0	1	0	0	0.7	3.9	2.9	uniform oval tuber shape, pinkeye
	Satina ^{abcfhj}	422	494	83	8	78	5	9	1.055	0	33	3	0	1.0	3.9	4.0	uniform round tuber shape, alligator hide, nice yellow skin
	Alegria ^{abcfhij}	420	478	87	9	81	6	4	1.064	0	31	3	0	0.8	3.9	3.0	dark yellow flesh, light russetting, oblong tuber shape, tr pinkeye
	Viviana ^{acdeg}	393	521	75	20	73	2	5	1.059	0	18	1	0	1.1	3.8	1.9	oval pear shaped tubers, tr pinkeye, alligator hide
	NY149 ^{abceegij}	380	488	76	19	73	3	5	1.063	1	41	1	0	0.7	3.9	3.0	pinkish color around eyes, oval shape, medium yellow flesh
	Elfe ^{ceg}	369	546	66	28	66	0	6	1.063	0	24	0	0	1.0	3.9	2.2	non-uniform tuber type, some pointed tubers
	Julinka ^{abcedeg}	364	495	73	19	69	4	8	1.063	0	39	1	0	1.4	3.5	2.4	dark yellow flesh, oblong tuber shape, tr pinkeye
	Oneida Gold ^{acfhij}	337	415	81	18	79	2	1	1.065	0	17	2	1	0.6	3.6	3.6	small round uniform tuber shape, lightly russeted skin
	Wega ^{abcfhij}	334	496	65	28	65	0	7	1.054	0	24	1	0	0.6	3.2	3.1	oblong tuber shape, moderate yellow flesh, tr pinkeye
NYL30-5 ^{abceegij}	315	454	67	26	66	1	7	1.067	0	39	0	0	1.0	3.8	2.9	heat sprouting, pinkish colored eyes, oval tuber shape, light yellow skin	
Smart ^{acfhij}	293	448	65	31	65	0	4	1.059	0	29	0	0	0.7	3.2	2.7	dark yellow flesh, oblong oval tuber shape, nice skin	
Malou ^{abcedeg}	282	386	71	29	70	1	0	1.056	0	51	1	0	1.3	3.7	1.6	small round tuber shape, bright skin	
MSW182-1Y ^{hi}	271	517	52	47	52	0	1	1.079	0	15	5	0	1.5	4.3	3.8	pinkish color around eyes	
ROUND WHITE TYPE	Reba ^{abci}	453	477	95	4	70	25	1	1.062	3	25	0	0	0.9	3.1	3.1	blocky oval tuber shape, bright skin
	MSV179-1 ^{abci}	424	441	96	2	69	27	2	1.061	0	18	0	0	1.0	2.6	3.5	cream colored flesh, nice uniform round shape
	MSQ131-A ^b	342	346	99	1	45	54	0	1.044	0	40	40	0	3.0	-	2.5	
RED SKIN TYPE	Red Carolina ^{acdeg}	567	659	86	9	83	3	5	1.055	0	31	3	0	1.5	3.8	3.1	pinkeye, moderate silver scurf, oblong tuber shape
	Red La Soda ^{acfhij}	538	582	92	6	72	20	2	1.057	2	28	2	6	0.8	4.1	3.2	misshapened tubers, deep eyes, silver scurf, light red skin
	Red La Soda 10-3 ^{acceegij}	496	554	89	7	77	12	4	1.058	0	18	4	2	1.7	3.3	2.5	deep eyes, non-uniform tuber shape, skinning
	Red La Soda NY ^{acfhij}	474	520	91	6	74	17	3	1.055	0	26	4	6	0.8	3.7	2.7	misshapened tubers, deep eyes, silver scurf
	NY159 ^{acceegij}	448	505	88	9	80	8	3	1.051	0	17	1	0	1.0	3.2	2.6	medium red skin, severe silver scurf, moderate skinning
	ND7132-1R ^{acceegij}	434	504	85	8	78	7	7	1.056	0	29	2	0	0.9	3.4	3.7	nice red skin color, oval tuber type, silver scurf, tr pinkeye
	Dark Red Chieftain ^{acfhij}	426	468	91	9	83	8	0	1.058	0	50	0	0	0.7	2.9	3.6	good overall appearance, silver scurf, netted skin
	Dark Red Norland ^{acceegij}	403	463	87	10	83	4	3	1.059	2	19	0	0	0.4	3.9	1.8	silver scurf, non-uniform tuber shape
	Red Endeavor ^{acfhij}	394	501	79	21	75	4	0	1.056	0	15	0	0	0.4	3.9	2.4	silver scurf, skinning, light netted skin, pinkeye, uniform round tuber shape
	AF4985-1R ^{acdeg}	391	465	84	9	81	3	7	1.056	0	12	3	0	0.2	2.4	2.7	skinning, misshapened tubers, deep eyes
	Red Norland ^{acfhij}	378	439	86	11	79	7	3	1.054	0	16	1	1	0.7	3.7	1.8	light red skin
	ND6002-1R ^{acceegij}	377	423	89	10	81	8	1	1.059	0	26	0	0	0.5	3.0	2.4	silver scurf, sl pinkeye, skinning
	MSW343-2R ^{acfhij}	377	428	86	13	84	2	1	1.053	0	20	0	0	0.9	2.3	1.8	pink skin, sl silver scurf, uniform tuber type, deep eyed
	Nordonna ^{acfhij}	376	472	79	15	71	8	6	1.058	2	16	4	2	1.6	3.1	3.3	silver scurf, knobs in pickouts, heat sprouts
	Dakota Ruby ^{acceegij}	356	491	71	27	70	1	2	1.067	2	18	1	0	0.3	2.9	2.8	moderate silver scurf, small uniform round tuber shape, skinning
	W8890-1R ^{eg}	328	443	73	26	73	0	1	1.059	0	22	3	0	0.8	3.8	2.7	oval tuber type, nice skin set, good color
	AF4831-2R ^{acdeg}	328	452	73	26	73	0	1	1.055	0	11	0	0	0.7	2.8	3.0	silver scurf, sl skinning
	CO098012-5R ^{acdeg}	309	435	69	30	69	0	1	1.063	0	19	1	0	1.4	2.7	3.3	sl silver scurf, uniform round tuber shape
	Merlot ^{acfhij}	286	465	60	32	60	0	8	1.068	0	29	1	3	1.0	3.2	3.8	medium yellow flesh, oval to oblong tuber shape, medium red skin color
	Modoc ^{acfhij}	283	414	68	30	68	0	2	1.053	4	20	2	0	0.9	2.8	1.8	reddish pink skin, oblong tuber type
NDCO08165-1R ^e	255	396	64	34	64	0	2	1.072	0	7	0	0	0.8	3.8	2.5		
CO00291-5R ^{cegi}	246	304	78	19	76	2	3	1.053	1	31	0	0	1.5	2.4	3.5	dark red skin color, silver scurf	
Ciklamen ^{acdeg}	148	332	43	55	43	0	2	1.075	3	39	0	0	1.9	3.1	3.4	light red skin color, silver scurf, oblong non-uniform tuber shape	
NOVELTY TYPE	CO8155-2Rus/Y ^k	519	666	78	18	78	0	4	1.066	0	0	0	0	0.0	4.5	2.5	yellow flesh
	MST386-1P ^a	478	545	88	2	53	35	10	1.070	0	30	0	0	0.0	2.5	4.0	
	W9962-1RY/Y ^{acfhij}	468	532	88	10	80	8	2	1.052	0	43	0	0	0.4	2.9	2.8	lightly netted skin, heat sprouts, yellow and red spotted skin, yellow flesh
	MSX324-1P ^{acfhij}	314	437	72	23	71	1	5	1.073	0	15	0	0	0.3	3.4	2.0	moderate silver scurf, purple skin, deep eyes
	MSX001-4WP ^{acfhij}	292	318	91	7	68	23	2	1.056	0	24	0	0	0.2	2.9	1.9	grey colored, purple flesh
	MSW316-3PY ^{ah}	261	381	69	19	68	1	12	1.064	0	20	0	0	1.7	4.0	3.2	non-uniform tuber shape, purple skin
	MSR226-1RR ^{acfhij}	231	422	55	44	55	0	1	1.062	0	35	0	0	0.3	2.4	2.5	red colored flesh, pear shaped
	Blue Belle ^{abcedeg}	203	314	64	30	61	3	6	1.057	0	40	0	0	1.1	3.1	4.8	purple splash around eyes
	MSR226-ARR ^{acfhij}	201	353	55	44	54	1	1	1.064	0	35	0	0	0.5	2.3	2.5	dark red skin, red flesh, non-uniform tuber type
	Amarosa ^{acfhij}	106	286	33	65	33	0	2	1.061	0	26	0	0	0.3	2.1	3.8	small fingerling type, red skin, red mottled flesh
MEAN		367	466	77	19	70	7	4	1.061	0.5	25.2	1.6	0.5	0.9	3.3	2.9	tr = trace, sl = slight, N/A = not available gc=growth crack

2016 Tablestock Variety Trial Sites

^a Crawford Tablestock Trial, Montcalm Co.

^b Horkey Tablestock Trial, Monroe Co.

^c Kitchens Tablestock Trial, Antrim Co.

^d VanDamme Tablestock Trial, Delta Co.

^e Walther R/Y Replicated Trial, Tuscola Co.

^f Walther R/Y Strip Trial, Tuscola Co.

^g Walther R/Y Replicated Trial, St. Joseph Co.

^h Walther R/Y Strip Trial, St. Joseph Co.

ⁱ Walther R/Y Replicated Trial, Antrim Co.

^j Wilks Tablestock Trial, Presque Isle Co.

^k NFPT (selected lines replicated); Walther Farms; St. Joseph Co.

¹SIZE

Bs: < 1 7/8"

As: 1 7/8" - 3.25"

OV: > 3.25"

PO: Pickouts

²TUBER QUALITY

(percentage of tubers out of 10)

HH: Hollow Heart

VD: Vascular Discoloration

IBS: Internal Brown Spot

BC: Brown Center

⁴VINE VIGOR RATING

Ratings: 1 - 5

1: Slow Emergence

5: Early Emergence

⁵VINE MATURITY RATING

Ratings: 1 - 5

1: Early (vines completely dead)

5: Late (vigorous vine, some flowering)

³COMMON SCAB RATING

0.0: Complete absence of surface or pitted lesions

1.0: Presence of surface lesions

2.0: Pitted lesions on tubers, though coverage is low

3.0: Pitted lesions common on tubers

4.0: Pitted lesions severe on tubers

5.0: More than 50% of tuber surface area covered in pitted lesions

2016 Tablestock Potato Variety Trial Crawford Farms, Montcalm County, MI

Harvest 19-Oct-16 148 Days
DD, Base 40⁶ 3242

	LINE	CWT/A		PERCENT OF TOTAL ¹						RAW TUBER QUALITY ² (%)				COMMON SCAB RATING ³	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS	BC				
Russet Type	A03141-6Rus	565	611	92	5	68	24	3	1.079	50	40	0	0	1.0	2.5	4.5	
	Mountain Gem Russet	544	589	95	3	93	2	2	1.068	20	60	0	0	0.0	2.0	3.5	
	Reveille Russet	519	624	83	8	75	8	9	1.058	0	40	0	0	0.5	0.5	3.5	
	Caribou Russet	470	495	95	2	71	24	3	1.068	0	60	0	0	1.5	2.5	4.0	
	ND050032-4Rus	469	528	89	9	82	7	2	1.087	0	50	10	0	1.0	2.0	3.0	
	AF5179-4Rus	464	535	87	5	76	11	8	1.075	0	50	0	0	1.0	2.5	4.5	
	A02507-2LBRus	452	545	83	12	73	10	5	1.076	0	40	0	0	0.5	1.5	4.0	
	COTX09022-3RusRE/Y	448	511	88	11	83	5	1	1.073	0	0	0	0	2.0	3.0	3.0	pink eyes
	A09001-12TERus	423	480	88	8	88	0	4	1.072	0	0	0	0	0.0	2.5	2.5	
	W9433-1Rus	421	482	87	8	78	9	5	1.064	0	40	0	0	1.5	2.0	3.0	moderate rot
	A06862-18VRRus	395	474	83	12	83	0	5	1.074	0	40	0	0	0.5	3.5	4.5	
	COTX09052-2Rus	385	440	87	12	79	8	1	1.061	0	80	0	0	0.5	1.0	3.0	
	AC96052-1Rus	373	443	84	16	71	13	0	1.070	0	50	0	0	0.0	2.0	3.5	
	W9742-3Rus	352	400	88	10	83	5	2	1.085	0	40	0	0	1.0	2.5	3.5	
	Silverton Russet	349	398	88	7	74	14	5	1.066	40	60	0	20	0.5	2.0	3.0	alligator hide
	WND8625-2Rus	332	369	90	6	78	12	4	1.061	0	60	0	0	2.5	1.5	3.5	
	Dakota Russet	318	359	89	9	74	15	2	1.064	0	50	0	0	0.0	2.0	3.5	
	TX08352-5Rus	306	364	84	14	80	4	2	1.049	0	20	0	0	1.5	2.0	1.5	
	AF4124-7Rus	304	351	87	11	87	0	2	1.068	0	70	0	0	0.0	2.5	2.5	
	AO03123-2Rus	262	368	71	23	66	5	6	1.077	20	40	0	0	0.5	3.0	4.0	
A06021-1TRus	248	322	77	23	63	14	0	1.069	10	40	0	0	0.5	2.0	2.0		
A096305-3Rus	240	360	67	18	56	11	15	1.076	0	50	0	0	2.5	2.5	3.5		
Pioneer Russet	206	245	84	13	67	17	3	1.050	0	40	0	0	2.0	1.5	1.0		
Russet Norkotah	165	209	79	21	79	0	0	1.060	10	40	0	0	2.0	2.0	1.0		
Red Skin Type	Red Carolina	629	705	89	11	89	0	0	1.055	0	40	0	0	2.0	3.5	3.0	
	Dark Red Chieftan	545	593	92	6	86	6	2	1.058	0	70	0	0	0.5	2.0	3.5	
	Red Lasoda	457	549	83	11	61	22	6	1.053	0	30	0	0	0.0	4.0	3.0	
	ND7132-1R	450	506	89	8	77	12	3	1.057	0	30	0	0	2.0	3.0	3.5	
	Red Endeavor	441	548	81	19	76	5	0	1.057	0	10	0	0	0.0	3.5	2.5	
	Red La Soda NY	402	449	89	5	85	4	6	1.050	0	50	0	0	0.0	3.0	2.0	
	CO098012-5R	394	506	78	22	78	0	0	1.068	0	40	0	0	0.0	2.0	3.5	
	Red La Soda 10-3	375	435	86	9	75	11	5	1.051	0	40	10	0	3.0	2.0	2.0	
	AF4985-1R	360	443	81	14	78	3	5	1.048	0	20	10	0	0.0	2.0	2.0	
	Dark Red Norland	344	384	89	10	86	3	1	1.054	0	40	0	0	0.0	3.0	1.0	sl silver surf
	Nordonna	343	389	88	8	83	5	4	1.050	0	30	0	0	2.0	2.0	2.0	sl silver scurf
	AF4831-2R	331	426	78	22	78	0	0	1.049	0	0	0	0	0.0	1.5	3.5	
	Red Norland	329	405	81	16	72	9	3	1.048	0	40	0	0	0.0	3.0	1.0	
	ND6002-1R	324	378	86	14	73	13	0	1.051	0	40	0	0	0.5	2.5	1.5	
	MSW343-2R	306	355	86	14	86	0	0	1.055	0	40	0	0	1.5	2.0	1.0	
	Dakota Ruby	296	395	75	24	75	0	1	1.068	0	20	0	0	0.0	2.0	2.0	moderate silver scurf
	NY159	288	371	78	20	78	0	2	1.041	0	40	0	0	2.0	2.5	1.5	
	Merlot	248	419	59	34	59	0	7	1.069	0	50	0	20	2.0	2.5	3.0	
Modoc	225	320	70	30	70	0	0	1.046	10	50	0	0	1.5	2.5	1.5		
Ciklamen	83	286	29	70	29	0	1	1.067	0	70	0	0	2.0	3.0	2.5		

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	LINE	CWT/A		PERCENT OF TOTAL ¹						RAW TUBER QUALITY ² (%)				SCAB	VINE	VINE	COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS	BC	RATING ³	VIGOR ⁴	MATURITY ⁵	
Yellow Skin Type	Wega	536	604	89	10	88	1	1	1.052	0	40	0	0	0.5	2.5	3.0	pink colored eyes
	MSV093-1Y	528	609	87	9	76	11	4	1.079	0	80	0	0	0.5	3.0	4.0	
	Soraya	462	535	86	7	86	0	6	1.053	0	30	0	0	0.5	2.5	3.0	
	NY149	405	509	80	15	80	0	5	1.061	0	70	0	0	2.0	4.0	2.5	
	Lehigh	390	410	95	1	89	6	4	1.070	20	60	0	0	1.0	2.0	2.5	
	Julinka	382	489	78	13	78	0	9	1.059	0	60	0	0	2.0	3.5	1.5	
	Satina	361	395	91	9	91	0	0	1.055	0	50	20	0	1.5	3.0	3.0	
	Viviana	329	459	72	26	72	0	2	1.054	0	50	0	0	0.5	3.5	1.5	
	Alegria	324	369	88	12	88	0	0	1.061	0	30	0	0	0.5	3.5	2.0	
	NYL30-5	282	426	66	34	66	0	0	1.062	0	80	0	0	0.0	3.5	2.0	
	Oneida Gold	270	379	71	27	71	0	2	1.066	0	20	0	0	0.0	2.5	4.0	
	Smart	213	330	64	32	64	0	4	1.053	0	20	0	0	0.5	2.0	2.0	
Malou	209	315	66	34	66	0	0	1.047	0	90	0	0	1.0	3.0	1.0		
Novelty Type	MST386-1P	478	545	88	2	53	35	10	1.070	0	30	0	0	0.0	2.5	4.0	
	W9962-1RY1Y	409	446	92	8	87	5	0	1.050	0	70	0	0	0.5	2.0	3.0	
	MSR226-ARR	304	442	69	31	65	4	0	1.062	0	50	0	0	0.0	2.0	2.5	
	MSR226-1RR	283	365	77	23	77	0	0	1.059	0	20	0	0	0.0	2.0	4.5	
	MSX324-1P	278	396	70	27	70	0	3	1.072	0	40	0	0	0.0	3.0	1.5	
	Blue Belle	274	462	59	18	59	0	23	1.069	0	40	0	0	2.0	3.0	4.5	
	MSX001-4WP	261	288	91	5	74	17	4	1.050	0	70	0	0	0.0	2.5	1.0	
	MSW316-3PY	259	364	71	11	71	0	18	1.064	0	20	0	0	2.5	3.5	3.5	
Amarosa	121	345	35	64	35	0	1	1.054	0	30	0	0	0.0	1.5	2.5		
Round White Type	Reba	519	536	97	3	79	18	0	1.061	10	40	0	0	0.0	3.0	3.0	
	MSV179-1	471	493	96	2	87	8	2	1.070	0	20	0	0	1.5	2.0	3.5	
MEAN		361	439	81	16	75	6	3	1.062	3	43	1	1	0.9	2.5	2.7	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
(percentage of tubers out of 10)
HH: Hollow Heart
VD: Vascular Discoloration
IBS: Internal Brown Spot
BC: Brown Center

³COMMON SCAB RATING
0.0: Complete absence of surface or pitted lesions
1.0: Presence of surface lesions
2.0: Pitted lesions on tubers, though coverage is low
3.0: Pitted lesions common on tubers
4.0: Pitted lesions severe on tubers
5.0: More than 50% of tuber surface area covered in pitted lesions

⁴VINE VIGOR RATING
Date: 22-Jun-16
Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁵VINE MATURITY RATING
Date: 26-Aug-16
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

Planted: 24-May-16
Vines Killed: 9-Sep-16
Days from Planting to Vine Kill: 108
Seed Spacing: 10"
Fumigation: No

⁶MAWN STATION: Entrican
Planting to Vine Kill

2016 Freshpack Potato Variety Trial

Horkey Brothers, Monroe County, MI

Harvest 19-Sep-16

143 Days

DD, Base 40⁶ 3121

TUBER TYPE	LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	RAW TUBER QUALITY ² (%)				COMMON		VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC	SCAB RATING ³				
Russet Type	A06021-1TRus	291	334	87	11	78	9	2	1.056	0	80	0	0	0.5	3.5	2.0	severe scab	
	TX08352-5Rus	290	381	76	20	73	3	4	1.044	0	60	0	0	1.0	3.0	2.0		
	A09001-12TERus	265	309	86	12	72	14	2	1.060	0	70	0	0	4.0	4.0	4.0		
	COTX09052-2Rus	247	318	78	18	78	0	4	1.042	0	100	0	0	0.0	3.0	3.5		
	A096305-3Rus	233	332	70	13	62	8	17	1.048	0	90	20	0	4.5	3.5	4.0	severe rot	
	Pioneer Russet	209	297	70	15	52	18	15	1.063	0	60	0	0	0.0	3.0	2.5		
	COTX09022-3RusRE/Y	207	293	71	25	67	4	4	1.057	0	70	0	0	3.0	3.5	1.5		
	A02507-2LBRus	197	278	71	12	67	4	17	1.052	0	80	0	0	0.5	2.0	4.0		
	Caribou Russet	189	244	77	3	34	43	20	1.042	0	80	70	20	2.0	3.5	4.0	severe rot	
	AF4124-7Rus	184	262	70	6	57	13	24	1.058	0	80	0	0	1.0	3.5	3.5	rot, misshapened pickouts	
	AC96052-1Rus	134	187	72	18	64	8	10	1.049	0	80	0	0	1.5	2.0	4.0	severe rot	
	Russet Norkotah	124	199	62	27	62	0	11	1.046	0	60	10	0	2.0	3.0	1.0		
	Silverton Russet	123	163	76	11	66	10	13	1.041	0	90	0	0	0.5	2.5	4.0		
AO03123-2Rus	99	179	55	27	55	0	18	1.059	0	10	0	0	3.0	3.0	4.0	knobby, misshapened pickouts		
Yellow Skin Type	Lehigh	314	339	93	2	57	36	5	1.054	0	60	0	0	1.5	3.5	2.0	dark yellow flesh	
	Alegria	271	347	78	7	74	4	15	1.056	0	90	10	0	2.0	4.0	1.5		
	Julinka	219	371	59	22	59	0	19	1.054	0	70	0	0	3.0	4.0	1.5		
	Soraya	197	371	53	10	53	0	37	1.063	0	100	0	0	0.0	4.0	2.0	dark yellow fresh	
	NY149	164	357	46	35	46	0	19	1.048	0	100	0	0	0.0	3.5	2.0	small round tuber shape	
	MSV093-1Y	153	323	47	10	39	8	43	1.055	0	50	0	0	2.0	N/A	5.0		
	Malou	136	267	51	49	51	0	0	1.046	0	80	0	0	3.0	4.0	1.0		
	Satina	125	247	51	9	51	0	40	1.041	0	90	0	0	1.5	4.5	3.5		
	Wega	117	268	44	26	44	0	30	1.051	0	70	0	0	2.0	3.5	1.0	severe sticky stolons, misshapened tubers	
	NYL30-5	100	324	31	31	31	0	38	1.048	0	100	0	0	2.0	4.0	3.0	dark yellow flesh, knobs in pickouts	
Round White Type	MSQ131-A	342	346	99	1	45	54	0	1.044	0	40	40	0	3.0	N/A	2.5	conjoined tubers via stems, heat sprouting	
	Reba	336	356	95	5	69	26	0	1.063	0	40	0	0	1.5	3.0	2.5		
	MSV179-1	254	261	97	1	79	18	2	1.053	0	30	0	0	1.5	2.5	3.0		
Novelty Type	Blue Belle	49	91	54	39	54	0	7	1.036	0	90	0	0	1.5	2.5	5.0		
MEAN		199	287	69	17	59	10	15	1.051	0	72	5	1	1.7	3.3	2.8	tr = trace, sl = slight, N/A = not applicable SED = stem end defect, gc = growth crack	

¹SIZE CLASSIFICATIONS

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

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

²TUBER QUALITY (percentage of tubers out of 10)

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

⁴VINE VIGOR RATING

Date: 9-Jun-16
Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁵VINE MATURITY RATING

Date: 12-Aug-16
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

Planted: 29-Apr-16
Vines Killed: 19-Aug-16
Days from Planting to Vine Kill: 112
Seed Spacing : 10"
Fumigation: No

³COMMON SCAB RATING

0.0: Complete absence of surface or pitted lesions
1.0: Presence of surface lesions
2.0: Pitted lesions on tubers, though coverage is low
3.0: Pitted lesions common on tubers
4.0: Pitted lesions severe on tubers
5.0: More than 50% of tuber surface area covered in pitted lesions

⁶MAWN STATION: Petersburg
Planting to Vine Kill

2016 Freshpack Potato Variety Trial

Kitchen Farms, Antrim County, MI

Harvest 24-Oct-16 154 Days
DD, Base 40° 2785

TUBER TYPE	LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	RAW TUBER QUALITY ² (%)				COMMON			COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC	SCAB RATING ³	VINE VIGOR ⁴	VINE MATURITY ⁵	
Red Skin Type	Red La Soda	683	711	96	4	68	28	0	1.061	0	60	10	10	2.0	3.0	2.5	deep eyes, 2.5 powdery scab, silver scurf, light red skin color
	Red La Soda 10-3	648	697	93	5	75	18	2	1.061	0	10	0	10	2.0	2.0	2.5	deep eyes, sl silver surf, 1.5 powdery scab
	Red Carolina	570	664	86	5	76	10	9	1.058	0	70	10	0	1.0	3.0	3.0	light red netted skin, moderate silver scurf, powdery scab
	NY159	564	619	91	6	83	8	3	1.056	0	40	0	0	0.5	2.5	3.0	medium red skin, severe silver scurf
	Red La Soda NY	536	588	91	7	68	23	2	1.058	0	70	0	10	1.5	2.5	3.5	2.5 powdery scab, deep eyes, silver scurf
	Nordonna	503	560	90	8	71	19	2	1.066	10	30	20	10	5.0	2.0	3.5	silver scurf
	Merlot	489	605	81	15	81	0	4	1.071	0	50	0	0	2.0	2.0	3.0	medium yellow flesh, oval to oblong tuber type, medium red skin color
	ND7132-1R	488	603	81	5	81	0	14	1.059	0	20	0	0	0.0	2.5	4.0	1.0 powdery scab, nice red skin color, oval tuber type, silver scurf
	Dakota Ruby	480	638	75	22	75	0	3	1.071	10	90	0	0	1.0	2.0	3.0	sl silver scurf, pointed tuber type
	AF4985-1R	438	522	84	7	81	3	9	1.064	0	10	0	0	0.0	1.5	3.5	
	Dark Red Chieftan	429	489	88	12	88	0	0	1.063	0	80	0	0	1.0	2.0	3.0	severe silver scurf
	CO098012-5R	417	520	80	19	80	0	1	1.075	0	30	0	0	2.0	2.0	3.0	sl silver scurf
	Dark Red Norland	401	487	82	18	79	3	0	1.059	10	30	0	0	0.0	2.5	1.5	silver scurf
	AF4831-2R	366	434	84	12	84	0	4	1.059	0	30	0	0	1.0	2.0	3.5	silver scurf, 1.0 powdery scab
	Red Endeavor	342	464	74	26	74	0	0	1.061	0	40	0	0	0.0	2.5	1.5	silver scurf, uniform round tuber type, light netted skin
	Red Norland	312	390	80	20	80	0	0	1.052	0	20	0	0	0.5	2.5	1.5	3.0 powdery scab, light red skin
	Ciklamen	296	394	75	22	75	0	3	1.084	10	60	0	0	2.5	2.0	4.0	light red skin color, silver surf
	ND6002-1R	266	299	89	10	77	12	1	1.065	0	50	0	0	0.0	2.0	1.5	silver scurf
Russet Type	CO00291-5R	217	264	82	16	82	0	2	1.062	0	100	0	0	2.5	1.0	4.5	dark red skin color, silver scurf
	Modoc	211	351	60	39	60	0	1	1.060	10	50	10	0	1.0	1.0	1.5	reddish pink skin
	MSW343-2R	200	264	76	23	74	2	1	1.055	0	40	0	0	0.5	0.5	1.5	pink skin, sl silver scurf
	Caribou Russet	589	645	91	5	65	26	4	1.078	0	60	0	0	0.5	2.0	3.0	sl alligator hide, moderate pinkeye
	ND050032-4Rus	587	752	78	14	71	7	8	1.083	0	30	0	0	0.0	1.5	3.0	light russet skin, nice tuber type
	CW08221-5Rus	569	696	82	11	70	12	7	1.058	20	20	0	0	0.0	2.5	3.5	heavy russet skin type
	A03141-6Rus	558	625	89	2	63	26	7	1.089	20	40	0	0	2.0	2.0	4.0	light russet skin type
	TX08352-5Rus	506	587	86	13	86	0	1	1.062	0	50	0	0	0.0	1.0	2.5	russeted skin, nice tuber shape
	Russet Norkotah	503	631	80	17	80	0	3	1.069	20	30	10	0	0.0	1.5	2.0	moderate russet skin, nice tuber shape
	A06862-18VRRus	500	599	84	12	75	9	4	1.082	10	70	0	0	1.5	3.0	4.5	light russet skin type
	W9433-1Rus	497	578	86	6	80	6	8	1.078	0	10	0	0	0.0	1.5	4.0	2.0 powdery scab
	A09001-12TE	486	548	89	11	82	7	0	1.084	0	50	0	0	1.0	2.5	3.0	3.0 powdery scab
	A06021-1T	454	564	80	17	74	6	3	1.080	40	40	10	10	0.0	1.5	3.5	slight eyebrowing
	Mountain Gem Russet	452	517	87	11	87	0	2	1.080	20	70	0	0	0.0	1.0	4.0	small tuber type
	Pioneer Russet	447	498	90	9	78	12	1	1.074	0	40	0	0	0.0	1.5	2.5	medium russet skin type
	Reveille Russet	426	563	76	7	57	19	17	1.058	0	20	0	0	0.0	0.0	3.5	severe gc and knobs in pickouts
	W9742-3Rus	413	579	71	8	65	6	21	1.096	0	40	0	0	1.5	1.5	4.0	severe points and pear shaped tubers, light russet skin type, heavy lenticels
	AO03123-2Rus	399	510	78	19	74	4	3	1.085	10	40	10	0	0.0	2.0	4.0	1.0 powdery scab
	A096305-3Rus	391	481	81	17	77	4	2	1.089	10	30	0	0	1.0	2.0	4.0	light russet skin type
	A02507-2LB	380	497	76	14	76	0	10	1.083	0	50	0	0	0.0	1.0	4.0	dark russet skin type, knobs in pickouts
	COTX09052-2Rus	359	464	77	21	75	2	2	1.068	0	90	0	0	0.0	0.5	2.5	sl alligator hide
	GoldRush Russet	358	462	78	19	70	8	3	1.066	0	40	0	0	0.0	2.0	2.5	sl alligator hide
	Dakota Russet	344	432	80	13	80	0	7	1.074	10	0	0	0	1.0	0.5	3.5	heavy russeted skin
	WND8625-2Rus	336	492	68	18	65	3	14	1.077	0	50	0	0	0.0	2.0	3.0	heavy russet skin type
	AF5179-4Rus	297	376	79	15	73	6	6	1.082	0	30	0	0	2.0	2.0	4.0	moderate alligator hide
	CO05068-1Rus	282	447	63	35	63	0	2	1.083	10	60	0	10	0.5	2.0	4.5	
	AC96052-1Rus	281	361	78	22	78	0	0	1.079	10	20	0	0	0.0	1.0	4.0	small uniform tuber type, dark russet skin type
	Silverton Russet	272	351	78	15	66	12	7	1.063	40	20	0	0	0.5	1.5	4.0	medium dark russet skin, sl alligator hide
	CO05175-1Rus	271	429	63	32	59	4	5	1.081	30	50	0	0	0.5	2.5	4.0	
	AF4124-7Rus	256	344	75	8	75	0	17	1.078	0	10	0	0	1.0	1.5	3.0	lightly russeted skin, non uniform tuber type
	COTX09022-3RusRE/Y	214	306	70	29	70	0	1	1.074	0	40	0	0	0.0	2.5	2.0	round tuber shape, pink eyes, yellow flesh, russeted skin

Continued on Next Page

TUBER TYPE	LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	RAW TUBER QUALITY ² (%)				COMMON			COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC	RATING ³	VIGOR ⁴	MATURITY ⁵	
Yellow Skin Type	Satina	699	844	83	8	81	2	9	1.067	0	50	0	0	1.0	3.0	4.0	1.5 powdery scab, nice yellow skin
	Soraya	623	746	83	4	75	8	13	1.061	0	20	0	0	0.0	2.0	4.0	nice deep yellow flesh and clean skin, oval tuber shape, misshapened pickouts
	MSV093-1Y	582	634	92	7	83	9	1	1.067	0	40	0	0	0.5	3.0	3.0	4.0 powdery scab, flat round tuber type, medium yellow flesh
	Alegria	516	573	90	9	84	6	1	1.067	0	50	10	0	0.0	3.0	4.0	dark yellow flesh, 1.0 powdery scab
	Elfe	504	668	75	17	75	0	8	1.059	0	60	0	0	0.5	3.0	2.0	2.5 powdery scab, some pointed tubers
	NY149	502	637	79	17	79	0	4	1.078	0	30	0	0	0.0	3.0	3.5	2.5 powdery scab, pink eyes, oval shape, moderate yellow flesh
	Jelly	491	560	88	7	87	1	5	1.071	0	90	0	10	0.0	2.5	4.5	medium yellow flesh, uniform oval tuber type
	Yukon Gold	473	522	91	3	77	14	6	1.079	10	40	0	0	1.5	2.0	2.5	1.0 powdery scab, pink eyes, medium yellow flesh
	Julinka	462	584	79	14	79	0	7	1.063	0	80	0	0	2.0	2.5	2.5	dark yellow flesh
	Lehigh	459	555	83	4	76	7	13	1.077	0	20	0	0	0.0	1.0	4.0	medium yellow flesh, light netted skin
	Viviana	445	594	75	14	75	0	11	1.060	0	20	0	0	1.5	2.5	1.5	oval pear shaped tubers
	Malou	415	496	84	16	80	4	0	1.057	0	90	0	0	2.0	3.0	1.5	
	Wega	372	495	75	17	74	1	8	1.057	0	20	0	0	0.0	1.5	4.0	oblong tuber type, medium yellow flesh
Round White Type	NYL30-5	357	473	76	23	76	0	1	1.074	0	50	0	0	0.0	3.0	4.0	pink eyes, oval tuber type, 2.5 powdery scab, medium yellow flesh
	Smart	333	487	68	26	68	0	6	1.061	0	40	0	0	0.5	2.0	3.5	dark yellow flesh, oblong oval tuber type, nice skin
	Oneida Gold	284	393	72	25	69	3	3	1.068	0	80	0	0	0.5	3.0	4.0	small round uniform tuber type
Round White Type	Reba	430	469	92	7	88	4	1	1.069	0	20	0	0	1.5	2.0	3.0	blocky oval tuber type, bright skin
	MSV179-1	402	432	93	4	69	24	3	1.067	0	20	0	0	1.0	1.0	3.5	cream colored flesh, nice uniform round shape
Novelty Tuber Type	W9962-1RY/Y	581	627	93	5	82	11	2	1.053	0	50	0	0	0.0	1.5	3.5	lightly netted skin
	MSR226-1RR	328	467	70	26	70	0	4	1.062	0	50	0	0	0.0	1.5	2.5	3.5 powdery scab, red colored flesh, pear shaped
	MSX001-4WP	267	300	89	8	55	34	3	1.055	0	50	0	0	0.0	1.5	2.5	1.0 powdery scab, purple flesh
	MSX324-1P	259	411	63	25	63	0	12	1.073	0	20	0	0	0.0	2.0	2.5	2.0 powdery scab, moderate silver scurf, purple skin
	MSR226-ARR	247	356	69	31	69	0	0	1.068	0	0	0	0	1.0	1.0	4.0	red skin red flesh
	Blue Belle	242	340	71	29	70	1	0	1.065	0	70	0	0	1.5	2.5	4.5	
	Amarosa	222	261	85	15	85	0	0	1.067	0	60	0	0	1.0	0.5	3.5	fingerling tuber type, red skin, red flesh
MEAN		416	511	81	15	75	6	5	1.069	4	43	1	1	0.7	1.9	3.2	tr = trace, sl = slight, NA = not available SED = stem end defect, gc = growth crack

¹SIZE CLASSIFICATIONS

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

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

²TUBER QUALITY

(percentage of tubers out of 10)

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

⁴VINE VIGOR RATING

Date: 21-Jun-16
Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence
(vigorous vine, some flowering)

⁵VINE MATURITY RATING

Date: 29-Aug-16
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

Planted: 23-May-16
Vines Killed: 30-Aug-16
Days from Planting to Vine Kill: 99
Seed Spacing : 10"
Fumigation: Yes
⁶MAWN STATION: Gaylord
Planting to Vine Kill

³COMMON SCAB RATING

0.0: Complete absence of surface or pitted lesions
1.0: Presence of surface lesions
2.0: Pitted lesions on tubers, though coverage is low
3.0: Pitted lesions common on tubers
4.0: Pitted lesions severe on tubers
5.0: More than 50% of tuber surface area covered in pitted lesions

2016 Freshpack Potato Variety Trial

VanDamme Farms, Delta County, MI

Harvest 3-Oct-16 132 Days
DD, Base 40⁶ 2762

TUBER TYPE	LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	RAW TUBER QUALITY ² (%)				COMMON	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC	SCAB RATING ³			
Russet Type	ND050032-4Rus	542	573	95	4	66	29	1	1.085	0	0	0	0	0.0	2.0	3.5	
	A06862-18VRRus	516	586	88	8	54	34	4	1.085	0	0	0	0	0.0	5.0	4.5	
	Silverton Russet	507	567	90	6	35	55	4	1.070	0	0	0	0	0.0	5.0	3.5	
	AF5179-4Rus	498	562	88	5	39	49	7	1.087	0	0	0	0	0.0	3.0	4.5	
	A096305-3Rus	496	557	89	7	52	37	4	1.085	0	0	0	0	0.0	3.0	4.0	
	Caribou Russet	493	523	94	6	26	68	0	1.077	0	0	0	0	0.0	5.0	4.5	
	Mountain Gem Russet	472	521	90	9	51	39	1	1.079	0	0	0	0	0.0	3.0	4.5	
	AF4124-7Rus	453	474	96	3	31	65	1	1.085	0	0	0	0	0.0	4.0	3.0	
	CW08221-5Rus	451	533	85	14	71	14	1	1.066	0	0	0	0	0.0	4.0	2.5	
	A09001-12TERus	451	507	89	7	52	37	4	1.090	0	0	0	0	0.0	3.0	4.5	
	WND8625-2Rus	440	495	89	11	50	39	0	1.076	0	0	0	0	0.0	3.0	3.5	lots of oversize
	A03141-6Rus	429	541	80	5	21	59	15	1.080	0	0	0	0	0.0	4.0	5.0	skinning, poor condition
	A02507-2LBRus	414	476	87	5	46	41	8	1.086	0	0	0	0	0.0	2.0	4.5	
	W9433-1Rus	406	429	95	5	32	63	0	1.081	0	0	0	0	0.0	3.0	3.5	
	Reveille Russet	403	482	83	5	54	29	12	1.070	0	0	0	0	0.0	3.0	3.5	sl skinning
	W9742-3Rus	383	438	87	7	44	43	6	1.093	0	0	0	0	0.0	3.0	4.5	
	Pioneer Russet	373	437	85	8	38	47	7	1.074	0	0	0	0	0.0	3.0	3.0	
	TX08352-5Rus	327	395	83	12	53	30	5	1.070	0	0	0	0	0.0	3.0	3.5	
	A06021-1TRus	306	364	84	16	64	20	0	1.078	0	0	0	0	0.0	4.0	2.0	
	AO03123-2Rus	295	357	82	18	56	26	0	1.076	0	0	0	0	0.0	3.0	4.0	
Yellow Type	Dakota Russet	282	336	84	16	77	7	0	1.080	0	0	0	0	0.0	3.0	4.5	
	AC96052-1Rus	217	287	76	23	69	7	1	1.081	0	0	0	0	0.0	3.0	4.5	nice tuber type
	COTX09052-2Rus	167	277	61	39	35	26	0	1.076	0	0	0	0	0.0	3.0	4.0	
	Russet Norkotah	162	258	63	34	52	11	3	1.071	0	0	0	0	0.0	3.0	1.5	
	Soraya	462	529	88	3	40	48	9	1.061	0	0	0	0	0.0	4.0	3.5	
	Julinka	440	552	80	15	58	22	5	1.073	0	0	0	0	0.0	3.0	4.5	
	MSV093-1Y	417	466	89	11	59	30	0	1.069	0	0	0	0	0.0	4.0	3.5	
	Viviana	360	469	76	17	71	5	7	1.068	0	0	0	0	0.0	4.0	2.5	
	Malou	197	307	64	36	64	0	0	1.068	0	0	0	0	0.0	3.0	2.0	
	Dakota Ruby	362	539	67	31	67	0	2	1.078	0	0	0	0	0.0	3.0	3.0	
Red Type	Dark Red Norland	355	411	87	12	79	8	1	1.067	0	0	0	0	0.0	5.0	1.5	
Novelty Type	Blue Belle	296	416	71	27	57	14	2	1.074	0	0	0	0	0.0	4.0	5.0	
MEAN		387	458	83	13	52	31	3	1.077	0	0	0	0	0.0	3.4	3.6	tr = trace, sl = slight, N/A = not applicable

SED = stem end defect, gc = growth crack

¹SIZE CLASSIFICATIONS

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

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

²TUBER QUALITY

(percentage of tubers out of 10)

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

⁴VINE VIGOR RATING

Date: 11-Jul-16
Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁵VINE MATURITY RATING

Date: 31-Aug-16
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

Planted: 24-May-16
Vines Killed: 7-Sep-16
Days from Planting to Vine Kill: 106
Seed Spacing: 12"
Fumigation: None

⁶MAWN STATION: Escanaba
Planting to Vine Kill

³COMMON SCAB RATING

0.0: Complete absence of surface or pitted lesions
1.0: Presence of surface lesions
2.0: Pitted lesions on tubers, though coverage is low
3.0: Pitted lesions common on tubers
4.0: Pitted lesions severe on tubers
5.0: More than 50% of tuber surface area covered in pitted lesions

2016 Replicated Red/Yellow Tablestock Trial

Walther Farms, Antrim Co., MI

Harvest 8-Sep-16

125 Days

DD, Base 40⁷

2942

		CWT/A		PERCENT OF TOTAL ¹					COMMON RAW TUBER QUALITY ² (%)					SCAB	VINE	VINE	Yellow Skin		Red Skin				Comments
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP	GR*	HH	VD	IBS	BC	RATING ⁴	VIGOR ⁵	MATURITY ⁶	Waxiness ⁸	Flesh Color ⁹	Skin Color ¹⁰	Uniformity ¹¹	Silver Scurf ¹²	
Yellow Skin Type	Soraya	454	541	82	11	78	4	9	1.059	0	7	0	0	0.0	4.3	3.2	2.5	2.8	-	-	-	-	oblong tuber type, heat sprouts, sl pinkeye, misshapened pickouts
	Alegria	411	466	89	9	85	4	2	1.072	0	17	0	0	0.5	4.5	3.0	2.0	2.2	-	-	-	-	oblong tuber shape, tr pinkeye
	Oneida Gold	382	465	82	17	78	4	1	1.074	0	0	10	3	0.8	4.2	3.1	1.6	2.5	-	-	-	-	nice uniform round tuber shape
	Allora	360	433	83	14	75	8	3	1.067	0	3	0	0	1.2	3.8	2.8	3.0	2.2	-	-	-	-	pinkeye, misshapened pickouts
	Wega	343	550	62	33	62	0	5	1.059	0	10	7	0	0.0	3.8	3.3	3.5	3.0	-	-	-	-	tr pinkeye, oblong tuber type
Red Skin Type	Red Norland	475	522	91	8	88	3	1	1.066	0	13	3	7	0.8	4.5	1.8	-	-	2.1	2.8	4.0	2.3	
	Dark Red Norland	472	538	88	10	86	2	2	1.064	3	10	0	0	0.6	4.3	1.8	-	-	4.0	3.0	3.7	3.3	
	Red La Soda 10-3	446	526	85	10	82	3	5	1.064	0	10	0	3	2.1	4.5	2.0	-	-	2.0	2.8	3.3	3.0	skinning, deep eyes
	Red Endeavor	339	452	75	22	75	0	3	1.060	0	10	0	0	1.2	3.8	2.5	-	-	4.0	4.6	1.5	2.2	pinkeye, uniform round tuber shape, rot, skinning
	Merlot	231	424	56	36	56	0	8	1.075	0	27	3	0	0.8	3.7	4.0	-	2.6	3.0	4.6	1.5	2.7	pear shaped tubers
Novelty Type	W9962-1RY/Y	428	558	76	20	76	0	4	1.061	0	17	0	0	0.7	4.7	2.0	-	2.0	2.0	4.7	1.3	2.3	heat knobs, sticky stolons
	Amarosa	53	354	13	85	13	0	2	1.073	0	30	0	0	0.5	2.8	4.0	-	-	4.7	4.2	2.0	3.3	long skinny tuber shape, pink mottled flesh
MEAN		366	486	73	23	71	2	4	1.066	0	13	2	1	0.8	4.1	2.8	2.5	2.5	3.1	3.8	2.5	2.7	tr = trace, sl = slight, N/A = not available
LSD _{0.05}		119	111	13.6	10.2	14.5	NA	NA	0.002	NA	NA	NA	NA	1.2	0.4	0.5	0.6	0.4	0.6	1.3	1.3	0.8	SED = stem end defect, gc = growth crack
ANOVA (Prob>F)		<.0001	0.01	<.0001	<.0001	<.0001	0.11	0.41	<.0001	0.47	0.49	0.54	0.61	0.065	<.0001	<.0001	0.0005	0.0004	<.0001	0.009	0.002	0.02	

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

²TUBER QUALITY
(percent of tubers out of 10)
HH: Hollow Heart
VD: Vascular Discoloration
IBS: Internal Brown Spot
BC: Brown Center

³VINE VIGOR RATING
Date: 21-Jun-16
Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁶VINE MATURITY RATING
Date: 8-Aug-16
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

⁸WAXINESS RATING
1: Heavy netting, buff
5: Waxy, smooth

⁹FLESH COLOR RATING
1: White colored
5: Dark yellow

Planted: 6-May-16
Vines Killed: 28-Aug-16
Days from Planting to Vine Kill: 114
Seed Spacing: 10"
Fumigation: Yes

⁴COMMON SCAB RATING
0.0: Complete absence of surface or pitted lesions
1.0: Presence of surface lesions
2.0: Pitted lesions on tubers, though coverage is low
3.0: Pitted lesions common on tubers
4.0: Pitted lesions severe on tubers
5.0: More than 50% of tuber surface area covered in pitted lesions

¹⁰RED SKIN COLOR RATING
1: Light pink colored
5: Dark-red colored

¹¹SKIN COLOR UNIFORMITY SCALE
1: Highly variable, non-uniform
5: Highly uniform color throughout tuber

¹²SILVER SCURF SCALE
0: No incidence of silver scurf
5: High incidence of silver scurf

⁷MAWN STATION: Gaylord
Planting to Vine Kill

2016 Replicated Red/Yellow Tablestock Trial

Walther Farms, St. Joseph County, MI

Harvest 20-Sep-16 118 Days

DD, Base 40⁷ 2913

		CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ² (%)						Yellow Skin		Red Skin				COMMON SCAB		VINE	VINE	
	LINE	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS	BC	Waxiness ⁸	Flesh Color ⁹	Skin Color ¹⁰	Uniformity ¹¹	Silver Scurf ¹²	Waxiness ⁸	RATING ⁴	VIGOR ⁵	MATURITY ⁶	COMMENTS		
Red Skin Type	Red Carolina	548	686	80	12	80	0	8	1.049	0	13	0	0	-	-	1.3	4.0	2.7	2.7	2.8	4.0	3.3	oblong tuber shape		
	Red La Soda 10-3	495	564	88	7	88	0	5	1.053	0	33	3	0	-	-	2.3	3.3	2.5	3.2	2.7	3.2	2.7			
	NY159	478	546	88	8	88	0	4	1.052	0	7	0	0	-	-	2.8	3.0	3.0	2.5	2.2	2.8	2.8			
	Dark Red Norland	471	554	85	8	85	0	7	1.054	0	20	0	0	-	-	3.0	2.7	3.3	2.3	1.5	3.7	2.2	non-uniform tuber shape		
	ND6002-1R	448	515	87	13	87	0	0	1.055	0	33	0	0	-	-	2.5	2.0	3.7	3.0	2.2	2.7	2.7			
	ND7132-1R	407	448	83	11	83	0	6	1.050	0	23	3	0	-	-	3.8	2.7	3.0	2.5	2.5	3.3	3.3			
	AF4985-1R	406	470	87	7	86	1	6	1.052	0	3	0	0	-	-	3.0	3.3	3.2	3.3	0.8	3.0	2.7	severe skinning		
	Dakota Ruby	393	532	74	25	74	0	1	1.057	0	0	0	0	-	-	4.0	3.2	4.0	3.0	1.0	3.3	3.0	uniform round tuber shape, skinning		
	W8890-1R	383	488	79	21	79	0	0	1.053	0	20	0	0	-	-	3.7	3.3	2.7	3.0	1.0	3.5	2.7	nice skin set, good color, oval-oblong tuber shape		
	AF4831-2R	322	516	62	37	62	0	1	1.050	0	0	0	0	-	-	2.5	2.7	3.3	3.0	1.7	3.8	2.2	sl skinning		
	CO00291-5R	318	366	87	12	86	1	1	1.048	3	7	0	0	-	-	3.8	2.7	3.8	3.0	2.7	2.0	3.3			
	CO098012-5R	241	409	59	40	59	0	1	1.047	0	3	0	0	-	-	4.3	4.3	3.0	3.2	3.2	3.3	3.3	uniform round tuber shape		
	Ciklamen	67	327	20	78	20	0	2	1.071	0	13	0	0	-	-	1.0	4.0	3.0	3.0	1.8	3.2	3.2			
Yellow Skin Type	MSV093-1Y	508	553	92	7	83	9	1	1.059	0	7	0	0	3.0	1.6	-	-	-	-	0.8	3.0	3.0	round tuber shape		
	Soraya	472	595	79	17	79	0	4	1.049	0	27	0	0	2.7	3.0	-	-	-	-	0.8	3.8	3.2	oblong tuber shape		
	W9576-11Y	462	581	79	19	79	0	2	1.048	0	27	0	0	1.7	2.7	-	-	-	-	2.0	4.2	2.8	non-uniform flesh color		
	NY149	427	538	79	18	79	0	3	1.062	0	27	7	0	2.0	2	-	-	-	-	1.8	4.0	3.3	pink colored eyes		
	Jelly	413	532	78	20	78	0	2	1.066	0	0	0	0	1.7	2.5	-	-	-	-	1.8	3.7	4.0	uniform flesh color, oblong shape		
	Viviana	387	562	69	29	68	1	2	1.052	0	17	3	0	2.2	2.3	-	-	-	-	3.0	4.3	2.3			
	Malou	362	465	77	22	77	0	1	1.056	0	27	3	0	2.0	1.5	-	-	-	-	2.0	4.5	2.7			
	Julinka	351	518	68	29	68	0	3	1.061	0	17	0	0	1.7	3.3	-	-	-	-	1.5	4.0	2.7	oblong tuber shape		
	Elfe	304	509	59	37	59	0	4	1.061	0	7	0	0	2.8	2.7	-	-	-	-	2.2	4.3	2.7			
	NYL30-5	295	453	65	32	65	0	3	1.068	0	7	0	0	2.3	1.8	-	-	-	-	2.5	3.5	2.7	non-uniform flesh color, light yellow skin		
Novelty Type	Blue belle	186	336	55	43	55	0	2	1.047	1	23	0	0	2.2	1.7	-	-	-	-	1.7	3.3	4.5	purple color around eyes		
MEAN		381	503	74	23	74	0	3	1.055	0	15	1	0	2.0	2.6	2.9	3.0	3.2	2.9	1.92	3.5	3.0	tr = trace, sl = slight, N/A = not available		
LSD _{0.05}		71	71	6.1	5.3	6.2	1.5	3.6	0.005	NA	22.7	NA	NA	NA	0.55	0.72	1.050	NA	NA	0.90	0.5	0.6	SED = stem end defect, gc = growth crack		
ANOVA (Prob>F)		<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	0.001	<.0001	0.48	0.04	0.64	NA	0.090	<.0001	<.0001	0.006	0.196	0.250	<.0001	<.0001	<.0001			

¹SIZE

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

²TUBER QUALITY
(percent of tubers out of 10)

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

⁵VINE VIGOR RATING

Date: 29-Jun-16
Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁶VINE MATURITY RATING

Date: 12-Aug-16
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

⁸WAXINESS RATING

1: Heavy netting, buff
5: Waxy, smooth

⁹FLESH COLOR RATING

1: White colored
5: Dark yellow

Planted: 25-May-16

Vines Killed: 22-Aug-16

Days from Planting to Vine Kill: 89

Seed
C₁₀₀ 10"
Fumigation: No

⁴COMMON SCAB RATING

0.0: Complete absence of surface or pitted lesions
1.0: Presence of surface lesions
2.0: Pitted lesions on tubers, though coverage is low
3.0: Pitted lesions common on tubers
4.0: Pitted lesions severe on tubers
5.0: More than 50% of tuber surface area covered in pitted lesions

⁷MAWN STATION: Constantine
Planting to Vine Kill

¹⁰RED SKIN COLOR RATING

1: Light pink colored
5: Dark-red colored

¹¹SKIN COLOR UNIFORMITY SCALE

1: Highly variable, non-uniform
5: Highly uniform color throughout tuber

¹²SILVER SCURF SCALE

0: No incidence of silver scurf
5: High incidence of silver scurf

2016 Replicated Red/Yellow Tablestock Trial

Walther Farms, Tuscola County, MI

Harvest 7-Sep-16 125 Days
DD, Base 40⁷ 2749

	LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ² (%)					COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	Yellow Skin		Red Skin				COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP	GR	HH	VD	IBS	BC	Waxiness ⁸	Flesh Color ⁹	Skin Color ¹⁰	Uniformity ¹¹	Silver Scurf ¹²	Waxiness ⁸			
Red Skin Type	Red Carolina	523	578	90	8	89	1	2	1.059	0	0	0	0	0.3	4.5	3.0	-	-	1.8	2.2	2.3	2.8	severe pinkeye, alligator hide
	Dark Red Norland	445	497	90	5	84	6	5	1.062	3	10	0	0	0.5	4.2	1.7	-	-	3.3	3.5	3.7	3.8	
	Red La Soda 10-3	430	491	88	9	85	3	3	1.061	0	17	0	0	0.2	3.8	3.0	-	-	2.3	3.5	3.0	3.8	deep eyes, non-uniform tuber type
	ND6002-1R	422	468	90	9	89	1	1	1.070	0	7	0	0	0.0	3.6	2.5	-	-	3.5	4.5	1.8	4.0	sl pinkeye, skinning
	NY159	380	439	86	9	73	13	5	1.056	0	0	7	0	0.5	3.7	2.7	-	-	3.5	3.5	2.7	3.5	alligator hide, moderate skinning
	AF4985-1R	358	425	84	11	79	5	5	1.062	0	13	0	0	0.2	3.2	2.5	-	-	3.7	4.2	2.8	4.2	skinning, misshapened tubers, deep eyes
	ND7132-1R	340	397	86	13	83	3	1	1.064	0	33	7	0	0.2	3.6	3.5	-	-	4.6	4.0	3.3	2.7	oval tuber shape, tr pinkeye
	AF4831-2R	292	434	68	32	67	1	0	1.062	0	13	0	0	0.0	3.8	3.0	-	-	3.2	3.8	2.0	3.8	oval tuber type, sl skinning
	W8890-1R	273	399	68	29	68	0	3	1.065	0	23	7	0	0.5	4.0	2.7	-	-	4.6	4.2	2.5	2.8	oval tuber type, rhizoctonia
	NDCO08165-1R	255	396	64	34	64	0	2	1.072	0	7	0	0	0.8	3.8	2.5	-	-	4.0	4.3	2.7	3.8	
	CO098012-5R	183	306	59	40	59	0	1	1.063	0	3	3	0	0.3	3.5	3.3	-	-	4.7	4.5	2.7	4.0	
	Dakota Ruby	179	341	52	47	52	0	1	1.069	0	0	3	0	0.0	3.3	3.0	-	-	4.2	4.1	2.5	3.5	small uniform round tuber type
Ciklamen	148	319	46	52	46	0	2	1.080	0	13	0	0	1.3	4.3	3.8	-	-	3.0	4.0	1.5	3.0	oblong, non-uniform tuber type	
CO00291-5R	110	195	57	41	57	0	2	1.054	0	7	0	0	1.0	2.5	4.0	-	-	4.2	4.3	1.2	4.2		
Yellow Skin Type	W9576-11Y	468	565	83	14	80	3	3	1.057	0	10	0	0	1.0	4.5	2.0	2.5	2.2	-	-	-	-	nice uniform tuber shape, pinkeye
	Viviana	441	522	84	12	80	4	4	1.060	0	3	3	0	0.5	4.5	1.8	4.0	2.0	-	-	-	-	tr pinkeye, alligator hide
	Jelly	414	468	88	10	84	4	2	1.070	0	13	0	13	0.0	4.0	4.0	2.2	2.3	-	-	-	-	blocky oblong tuber shape
	Malou	376	465	81	18	80	1	1	1.060	0	20	0	0	0.0	4.7	1.5	4.2	2.0	-	-	-	-	bright, uniform oval tuber shape
	NYL30-5	371	487	76	23	76	0	1	1.087	0	0	0	0	0.3	4.5	3.0	2.3	1.5	-	-	-	-	pink eyes, flat oval tuber shape
	NY149	361	422	80	19	80	6	1	1.074	3	7	0	0	0.3	4.5	3.3	1.0	1.8	-	-	-	-	light russetting, pink eyes,
	Soraya	349	489	71	10	70	1	19	1.056	0	7	7	0	0.2	3.8	3.5	2.5	3.0	-	-	-	-	sl alligator hide, non-uniform tuber type
	Julinka	332	455	73	23	72	1	4	1.066	0	7	3	0	0.0	4.2	1.6	4.0	1.8	-	-	-	-	oblong tuber shape, tr pinkeye
	Elfe	300	462	64	30	64	0	6	1.070	0	7	0	0	0.3	4.3	1.8	3.7	2.2	-	-	-	-	non-uniform tuber type
Novelty Type	Blue belle	169	238	70	30	69	1	0	1.055	0	17	0	0	0.0	3.3	5.0	2.3	1.8	-	-	-	-	purple splash around eyes, pinkeye
MEAN		330	427	75	22	73	2	3	1.065	0	10	2	1	0.35	3.9	2.9	2.9	2.1	3.6	3.9	2.5	3.6	tr = trace, sl = slight, N/A = not available
LSD _{0.05}		69	63	9.3	8.3	8.4	4.6	2.7	0.01	NA	15.1	NA	1.9	NA	0.5	0.5	0.7	0.5	0.6	0.9	1.3	0.7	SED = stem end defect, gc = growth crack
ANOVA (Prob>F)		<.0001	<.0001	<.0001	<.0001	<.0001	0.0002	<.0001	<.0001	0.48	0.007	0.67	<.0001	0.100	<.0001	<.0001	<.0001	0.0012	<.0001	0.001	0.04	0.0006	

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

²TUBER QUALITY
(percent of tubers out of 10)
HH: Hollow Heart
VD: Vascular Discoloration
IBS: Internal Brown Spot
BC: Brown Center

⁵VINE VIGOR RATING
Date: 17-Jun-16
Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁶VINE MATURITY RATING
Date: 8-Aug-16
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

⁸WAXINESS RATING
1: Heavy netting, buff
5: Waxy, smooth

⁹FLESH COLOR RATING
1: White colored
5: Dark yellow

Planted: 5-May-16
Vines Killed: 12-Aug-16
Days from Planting to Vine Kill: 99
Seed Spacing: 10"
Fumigation: No

⁷MAWN STATION: Fairgrove
Planting to Vine Kill

⁴COMMON SCAB RATING
0.0: Complete absence of surface or pitted lesions
1.0: Presence of surface lesions
2.0: Pitted lesions on tubers, though coverage is low
3.0: Pitted lesions common on tubers
4.0: Pitted lesions severe on tubers
5.0: More than 50% of tuber surface area covered in pitted lesions

¹⁰RED SKIN COLOR RATING
1: Light pink colored
5: Dark-red colored

¹¹SKIN COLOR UNIFORMITY SCALE
1: Highly variable, non-uniform
5: Highly uniform color throughout

¹²SILVER SCURF SCALE
0: No incidence of silver scurf
5: High incidence of silver scurf

2016 Strip Red/Yellow Tablestock Trial

Walther Farms, St. Joseph County, MI

Harvest 20-Sep-16

118 Days

DD, Base 40⁷ 2913

		CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ² (%)				COMMON		VINE VIGOR ⁵	VINE MATURITY ⁶	Yellow Skin		Red Skin				COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP	GR	HH	VD	IBS	BC			SCAB RATING ⁴	Waxiness ⁸	Flesh Color ⁹	Skin Color ¹⁰	Uniformity ¹¹	Silver Scurf ¹²	
Red Skin Type	Red La Soda	589	615	96	4	93	3	0	1.050	0	10	0	0	1.0	4.0	3.0	-	-	2.0	2.0	2.0	3.0	
	Red La Soda NY Strain	507	556	91	7	83	8	2	1.055	0	10	10	20	1.0	3.5	2.5	-	-	2.0	2.0	4.0	2.0	
	Red Norland	486	557	87	5	86	1	8	1.053	0	20	0	0	2.0	3.5	2.0	-	-	3.0	4.0	2.0	3.0	
	MSW343-2R	450	501	90	7	90	0	3	1.050	0	0	0	0	1.5	3.0	2.5	-	-	2.0	2.0	4.0	3.0	
	Dark Red Chieftain	447	495	90	9	90	0	1	1.055	0	30	0	0	1.5	3.0	3.5	-	-	4.0	2.0	3.0	3.0	
	Red Endeavor	400	530	75	25	75	0	0	1.048	0	0	0	0	1.0	4.5	2.5	-	-	3.0	4.0	3.0	3.0	
	Modoc	399	570	70	30	70	0	0	1.053	0	0	0	0	2.0	3.5	2.0	-	-	3.0	3.0	3.0	2.0	nice skin
	NorDonna	318	463	69	10	69	0	21	1.054	0	20	0	0	1.0	3.5	3.5	-	-	2.0	2.0	3.5	3.0	knobs in pickouts,heat sprouts
	Merlot	209	378	55	44	55	0	1	1.065	0	20	0	0	1.0	3.0	4.0	-	2.0	1.0	4.0	3.0	3.0	
Yellow Skin Type	Oneida Gold	492	545	90	10	90	0	0	1.064	0	0	0	0	1.0	4.0	3.5	3.0	2.0	-	-	-	-	
	Yukon Gold	489	522	94	3	86	8	3	1.067	0	0	0	0	2.0	3.5	3.0	2.0	2.0	-	-	-	-	pinkish hue around eyes
	Alegria	479	525	91	8	90	1	1	1.061	0	0	0	0	1.8	3.3	3.3	2.3	2.0	-	-	-	-	
	Satina	466	529	88	8	88	0	4	1.050	0	0	0	0	1.0	4.0	4.3	2.8	2.3	-	-	-	-	
	Allora	465	634	73	17	73	0	10	1.055	0	0	0	0	1.0	4.0	3.0	2.0	1.5	-	-	-	-	
	Lehigh	446	478	93	7	93	0	0	1.065	0	20	0	0	1.0	3.5	3.5	2.0	1.5	-	-	-	-	
	MSW182-1Y	297	546	54	44	54	0	2	1.076	0	10	10	0	2.0	4.0	3.5	2.0	3.5	-	-	-	-	pinkish hue around eyes
	Wega	214	529	41	59	41	0	0	1.050	0	5	0	0	0.8	3.5	3.5	2.0	2.8	-	-	-	-	
	Smart	211	476	44	56	44	0	0	1.059	0	10	0	0	2.0	3.5	3.0	3.0	2.5	-	-	-	-	
Novelty Type	W9962-1RY/Y	441	524	84	14	84	0	2	1.053	0	30	0	0	1.0	3.0	2.5	-	1.5	1.5	-	-	2.0	
	MSX324-1P	378	497	76	22	76	0	2	1.070	0	0	0	0	1.0	4.0	2.5	-	-	-	3.0	4.0	3.0	dark purple skin
	MSX001-4WP	293	334	88	9	88	0	3	1.061	0	0	0	0	1.0	2.5	1.5	1.0	-	-	-	-	purple flesh	
	MSW316-3PY	241	407	59	23	59	0	18	1.059	0	20	0	0	2.5	4.0	3.5	-	1.5	3.0	2.0	2.0	3.0	purple skin
	MSR226-ARR	143	326	44	56	44	0	0	1.057	0	20	0	0	1.0	3.0	2.0	-	-	5.0	2.0	4.0	2.0	
	MSR226-1RR	115	415	28	72	28	0	0	1.058	0	40	0	0	1.0	3.0	1.5	-	-	5.0	3.0	4.0	2.0	
	Amarosa	75	338	22	77	22	0	1	1.053	0	35	0	0	0.0	2.5	3.3	-	-	3.0	4.5	3.0	3.0	fingerling type, reddish pink flesh
MEAN		362	492	72	25	71	1	3	1.058	0	12	1	1	1.3	3.5	2.9	2.2	2.1	2.8	2.8	3.2	2.7	tr = trace, sl = slight, N/A = 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 (percent of tubers out of 10)

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

⁵VINE VIGOR RATING

Date: 17-Jun-16
Ratings: 1 - 5
1: Slow Emergence
5: Early Emergence (vigorous vine, some flowering)

⁶VINE MATURITY RATING

Date: 8-Aug-16
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

⁸WAXINESS RATING

1: Heavy netting, buff
5: Waxy, smooth

⁹FLESH COLOR RATING

1: White colored
5: Dark yellow

Planted: 25-May-16

Vines Killed: 22-Aug-16

Days from Planting to Vine Kill: 89

Seed Spacing: 10"

Fumigation: No

⁴COMMON SCAB RATING

0.0: Complete absence of surface or pitted
1.0: Presence of surface lesions
2.0: Pitted lesions on tubers, though coverage is low
3.0: Pitted lesions common on tubers
4.0: Pitted lesions severe on tubers
5.0: More than 50% of tuber surface area covered in pitted lesions

¹⁰RED SKIN COLOR RATING

1: Light pink colored
5: Dark-red colored

¹¹SKIN COLOR UNIFORMITY SCALE

1: Highly variable, non-uniform
5: Highly uniform color throughout

¹²SILVER SCURF SCALE

0: No incidence of silver scurf
5: High incidence of silver scurf

⁷MAWN STATION: Constantine
Planting to Vine Kill

2016 Strip Red/Yellow Tablestock Trial

Walther Farms, Tuscola County, MI

Harvest 7-Sep-16

125 Days

DD, Base 40⁷

2749

	LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ² (%)					COMMON SCAB RATING ⁴		VINE VIGOR ⁵	VINE MATURITY ⁶	Yellow Skin Waxiness ⁸ Flesh Color ⁹		Red Skin Skin Color ¹⁰ Uniformity ¹¹ Silver Scurf ¹² Waxiness ⁸				COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP	GR	HH	VD	IBS	BC										
Red Skin Type	MSW343-2R	554	593	93	7	85	8	0	1.055	0	0	0	0	0.0	3.5	2.0	-	-	2.5	4.5	1.0	4.0	uniform tuber type, deep eyed	
	Red La Soda NY	530	570	93	5	79	14	2	1.062	0	0	0	0	1.5	5.0	2.5	-	-	2.5	3.0	2.0	2.5	misshapened tubers	
	Red La Soda	482	520	93	6	84	9	1	1.063	10	40	0	20	1.0	5.0	4.0	-	-	2.5	4.0	2.0	4.0	misshapened tubers	
	Red Endeavor	467	606	77	23	74	3	0	1.061	0	30	0	0	0.0	4.5	2.5	-	-	4.0	4.0	2.0	3.0	moderate rot in field	
	Red Norland	285	353	81	12	66	15	7	1.055	0	0	0	0	1.0	4.0	2.0	-	-	2.5	1.0	4.0	2.5		
	Dark Red Chieftain	260	300	87	13	78	9	0	1.060	0	30	0	0	0.5	4.0	3.0	-	-	5.0	5.0	2.0	3.5		
	Modoc	259	435	60	40	60	0	0	1.061	0	0	0	0	0.0	3.5	2.0	-	-	3.5	4.0	2.0	2.5	oblong tuber type	
	NorDonna	234	418	56	44	53	3	0	1.060	0	0	0	0	0.0	3.5	3.5	-	-	3.5	4.0	2.5	2.5		
Merlot	181	379	48	49	48	0	3	1.064	0	0	0	0	0.0	4.0	4.5	-	-	3.5	4.5	0.0	3.0			
Yellow Skin Type	Allora	450	526	85	12	85	0	3	1.068	0	0	0	0	0.0	4.0	3.0	4.0	2.0	-	-	-	-	uniform oval tuber shape	
	MSV093-1Y	432	489	88	12	75	13	0	1.067	0	30	0	0	0.0	5.0	4.5	1.5	2.0	-	-	-	-	uniform round tuber	
	Yukon Gold	408	451	90	6	68	22	4	1.075	0	0	0	0	0.0	5.0	2.0	2.0	2.0	-	-	-	-	moderate pink eye	
	Alegria	393	462	85	11	73	12	4	1.069	0	20	0	0	0.0	4.5	2.8	1.5	1.3	-	-	-	-	light russetting, oblong tuber shape	
	Lehigh	390	408	96	4	68	28	0	1.073	0	0	0	0	0.5	4.0	3.0	1.0	2.0	-	-	-	-	light russetting	
	Satina	322	369	87	13	84	3	0	1.061	0	10	0	0	0.3	4.3	4.3	2.0	2.0	-	-	-	-	uniform round tuber shape, alligator hide	
	Smart	306	449	68	26	68	0	6	1.064	0	25	0	0	0.0	4.0	2.0	3.5	2.5	-	-	-	-		
	Wega	281	485	58	41	58	0	1	1.057	0	5	0	0	0.3	3.8	3.0	3.3	2.8	-	-	-	-	oblong tuber shape	
	Oneida Gold	281	361	78	22	78	0	0	1.061	0	0	0	0	1.0	3.5	3.0	1.0	2.0	-	-	-	-	russeted skin	
MSW182-1Y	244	488	50	50	50	0	0	1.082	0	20	0	0	1.0	4.5	4.0	1.0	2.5	-	-	-	-	pink eyes on tubers		
Novelty Type	W9962-1RY/Y	374	428	88	11	82	6	1	1.056	0	60	0	0	0.0	3.5	2.5		2.0	2.5	4.0	2.5	2.0	heat sprouting w/ knobs	
	MSX324-1P	342	445	77	22	74	3	1	1.078	0	0	0	0	0.0	4.5	1.5	-	-	5.0	4.5	3.5	4.0	bright purple, medium deep eyes	
	MSW316-3PY	283	372	76	23	73	3	1	1.068	0	20	0	0	0.0	4.5	2.5	-	2.0	4.0	3.0	2.0	4.5	non-uniform tuber, purple skin	
	MSX001-4WP	243	259	94	6	62	32	0	1.062	0	0	0	0	0.0	4.0	2.0	-	-	-	-	-	-	grey in color, purple flesh visible through skin	
	MSR226-1RR	200	442	45	54	45	0	1	1.069	0	30	0	0	0.0	3.0	1.5	-	-	5	5	4	3	oblong non-uniform tuber	
	MSR226-ARR	110	289	38	59	38	0	3	1.068	0	70	0	0	0.0	3.0	1.5	-	-	5	5	3	3	dark purple flesh w/ white center, non-uniform tuber type	
	Amarosa	0	64	0	100	0	0	0	-	0	0	0	0	0.0	2.5	4.5	-	-	-	-	-	-	small tubers, pinkish mottled flesh	
MEAN		320	421	73	26	66	7	1	1.065	0	15	0	1	0.27	4.0	2.8	2.1	2.1	3.6	3.9	2.3	3.1	tr = trace, sl = slight, N/A = not available SED = stem end defect, gc = growth crack	

SED = stem end defect, qc = growth crack

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

²TUBER QUALITY
(percent of tubers out of 10)
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IBS: Internal Brown Spot
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Date: 17-Jun-16
Ratings: 1 - 5
1: Slow Emergence
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⁶VINE MATURITY RATING
Date: 8-Aug-16
Ratings: 1 - 5
1: Early (vines completely dead)
5: Late (vigorous vine, some flowering)

⁸WAXINESS RATING
1: Heavy netting, buff
5: Waxy, smooth

⁹FLESH COLOR RATING
1: White colored
5: Dark yellow

Planted: 5-May-16
Vines Killed: 12-Aug-16
Days from Planting to Vine Kill: 99
Seed Spacing: 10"
Fumigation: No

⁷MAWN STATION: Fairgrove
Planting to Vine Kill

⁴COMMON SCAB RATING

0.0: Complete absence of surface or pitted
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¹²SILVER SCURF SCALE
0: No incidence of silver scurf
5: High incidence of silver scurf

2016 Freshpack Potato Variety Trial Wilks Farms, Presque Isle County, MI

Harvest 10-Oct-16 139 Days
DD, Base 40^b 2658

		CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ² (%)				COMMON				
TUBER TYPE	LINE	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS	BC	SCAB RATING ³	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS
Russet Type	Dakota Russet	523	592	88	5	68	20	7	1.066	0	0	0	0	1.0	4.5	4.0	alligator hide
	W9433-1Rus	491	567	87	11	57	30	2	1.064	0	0	0	0	0.0	5.0	4.0	
	Mountain Gem Russet	487	567	86	13	80	6	1	1.068	0	0	0	0	0.5	4.5	4.5	
	Caribou Russet	466	563	83	8	36	47	9	1.060	0	40	0	0	0.0	5.0	2.5	
	TX08352-5Rus	453	550	82	12	58	24	6	1.057	0	10	0	0	0.0	4.5	3.0	
	W9742-3Rus	432	522	83	6	57	26	11	1.081	0	0	0	0	0.0	5.0	4.5	
	ND050032-4Rus	430	497	86	11	62	24	3	1.069	0	10	0	0	0.0	3.5	4.0	
	Reveille Russet	425	494	86	7	69	17	7	1.058	0	10	0	0	0.0	3.0	3.5	
	Pioneer Russet	419	491	85	8	68	17	7	1.059	0	0	0	0	0.0	4.5	4.0	
	Silverton Russet	388	451	86	13	64	22	1	1.058	0	20	0	0	0.5	4.5	4.5	moderate pinkeye, alligator hide
	COTX09052-2Rus	377	516	73	26	67	6	1	1.071	0	20	0	0	0.0	4.0	4.0	
	A06862-18VRRus	360	446	81	15	62	19	4	1.071	0	20	0	0	0.0	4.5	5.0	
	Russet Norkotah	359	490	73	18	54	19	9	1.058	0	20	0	0	0.0	4.5	3.5	
	AF4124-7Rus	355	496	72	6	31	41	22	1.063	0	10	0	0	0.0	5.0	4.0	pointed tuber type
	WND8625-2Rus	337	425	79	19	73	6	2	1.061	0	10	0	0	0.0	4.5	4.0	
	AC96052-1Rus	323	427	76	23	70	6	1	1.064	0	10	0	0	0.5	4.5	4.0	
	A03141-6Rus	314	459	68	7	48	20	25	1.070	0	0	0	0	0.0	5.0	5.0	knobs and heat sprouting
	A02507-2LBRus	286	361	79	13	67	12	8	1.065	0	0	0	0	0.0	3.0	4.5	
	AO03123-2Rus	274	420	65	30	51	14	5	1.065	0	0	0	0	0.5	4.5	5.0	
	A096305-3Rus	270	340	79	19	58	21	2	1.064	20	0	10	0	1.5	4.0	4.0	
A06021-TRus	244	339	72	19	63	9	9	1.065	0	0	0	0	0.0	4.5	3.0		
COTX09022-3RusRe/Y	226	362	63	37	55	8	0	1.061	0	0	0	0	0.5	5.0	2.5		
A09001-12TERus	213	333	64	35	55	9	1	1.070	0	0	0	0	0.5	5.0	3.5		
Goldrush Russet	187	335	56	24	37	19	20	1.063	0	0	0	0	0.0	4.5	3.0		
Red Skin Type	Red La Soda 10-3	579	612	95	2	56	39	3	1.056	0	0	10	0	0.0	4.5	3.0	
	NY159	531	552	96	4	81	15	0	1.051	0	0	0	0	0.0	4.5	3.0	
	ND7132-1R	484	565	86	4	67	19	10	1.050	0	40	0	0	0.0	4.5	4.0	sticky stolons
	NorDonna	483	528	91	6	78	13	3	1.061	0	0	0	0	0.0	4.5	4.0	sticky stolons
	Red La Soda	478	513	93	5	52	41	2	1.056	0	0	0	0	0.0	4.5	3.5	
	Dark Red Chieftain	448	464	96	4	71	25	0	1.053	0	40	0	0	0.0	3.5	5.0	good overall appearance, netted skin
	Dakota Ruby	427	502	85	13	76	9	2	1.057	0	0	0	0	0.0	3.5	2.5	
	ND6002-1R	427	457	93	7	80	13	0	1.056	0	0	0	0	0.0	4.0	4.0	
	Red La Soda NY	398	435	92	5	53	39	3	1.050	0	0	10	0	0.0	4.5	3.0	deep apical eyes
	Red Norland	384	407	94	5	79	15	1	1.047	0	0	0	0	0.0	4.5	2.5	
	Red Endeavor	372	408	91	9	74	17	0	1.049	0	0	0	0	0.0	4.5	3.0	
	CO00291-5R	338	393	86	8	79	7	6	1.050	0	10	0	0	0.0	4.0	2.0	heat sprouting, knobs in pickouts
	Dark Red Norland	333	372	90	8	83	7	2	1.051	0	20	0	0	0.0	4.5	3.0	
Modoc	321	395	81	12	79	2	7	1.048	0	0	0	0	0.0	3.5	2.0	pear shaped pickouts	
Yellow Skin Type	Lehigh	569	590	96	2	47	49	2	1.057	0	10	0	0	1.0	4.5	3.5	
	Satina	560	580	97	3	73	24	0	1.058	0	0	0	0	1.0	4.5	5.0	
	Soraya	558	608	92	5	90	2	3	1.046	0	0	0	0	0.0	4.0	4.0	
	Alegria	549	606	91	3	75	16	6	1.060	0	10	0	0	0.5	4.5	4.5	
	NYL30-5	487	558	87	12	83	4	1	1.064	0	0	0	0	1.0	4.0	3.0	pink eyes
	Wega	477	542	88	10	86	2	2	1.051	0	20	0	0	0.5	3.5	4.0	
	MSV093-1Y	441	474	93	4	76	17	3	1.055	0	30	0	0	0.0	5.0	3.5	
	NY149	420	463	91	8	73	18	1	1.058	0	10	0	0	0.0	4.5	3.5	
	Smart	405	496	82	14	82	0	4	1.057	0	50	0	0	0.5	4.5	3.0	
Oneida Gold	310	347	90	10	86	4	0	1.058	0	0	0	0	0.5	4.5	4.0		
Novelty Type	W9962-1RY/Y	573	610	94	4	69	25	2	1.042	0	30	0	0	0.0	3.0	3.0	
	MSX001-4WP	397	411	97	3	61	36	0	1.051	0	0	0	0	0.0	4.0	2.5	
	Merlot	357	588	61	14	61	0	25	1.067	0	30	0	0	0.0	4.0	4.5	
	Amarosa	163	355	46	47	46	0	7	1.058	0	0	0	0	0.0	3.0	5.0	
Round White Type	MSV179-1	569	579	98	1	41	57	1	1.054	0	0	0	0	0.0	5.0	4.0	
	Reba	526	547	96	1	45	51	3	1.056	0	0	0	0	0.5	4.5	4.0	
MEAN		407	481	84	11	65	19	5	1.059	0	9	1	0	0.2	4.3	3.7	tr = trace, sl = slight, N/A = not applicable

SED = stem end defect, gc = growth crack

¹SIZE CLASSIFICATIONS

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

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

²TUBER QUALITY

(percentage of tubers out of 10)

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

⁴VINE VIGOR RATING

Date: 08-Jul-16

Ratings: 1 - 5

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

⁵VINE MATURITY RATING

Date: 30-Aug-16

Ratings: 1 - 5

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

Planted: 24-May-16
Vines Killed: 15-Sep-16
Days from Planting to Vine Kill: 114
Seed Spacing: 10"
Fumigation: None
⁶MAWN STATION: Hawks
Planting to Vine Kill

³COMMON SCAB RATING

0.0: Complete absence of surface or pitted lesions
1.0: Presence of surface lesions
2.0: Pitted lesions on tubers, though coverage is low
3.0: Pitted lesions common on tubers
4.0: Pitted lesions severe on tubers
5.0: More than 50% of tuber surface area covered in pitted lesions