

2017 Potato Outreach Program On-Farm Variety Trials

Data Summary: Michigan Tablestock (Non-Russet) Variety Trials

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2017 Michigan Statewide Tablestock Potato Variety Trials Overall Averages - Nine Locations

LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ³ (%)						COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC					
YELLOW SKIN TYPE	Soraya ^{abcdefg}	494	600	81	11	78	3	8	1.060	0	8	0	1	0.6	3.6	3.6	good tubertype
	Jelly ^{bcddefghi}	468	546	82	13	81	3	3	1.078	3	27	0	0	0.7	3.5	4.1	oval to oblong tuber shape
	Musica ^{bcddefghi}	455	623	71	24	70	1	5	1.068	1	6	9	0	0.6	3.8	3.1	trace heat sprouts
	Malou ^{bcddefghi}	449	581	76	22	73	2	3	1.063	0	21	1	0	1.1	4.1	3.0	bright skin color
	NY161 ^{beghi}	446	563	76	21	74	2	3	1.074	4	7	2	0	0.9	3.3	3.5	eyes splashed purple
	Alegria ^{bcddefghi}	427	495	85	11	74	10	5	1.078	4	19	3	6	0.7	3.7	3.1	oblong tuber type, pink eyes, greening
	Yukon Gold^{bdefghi}	406	466	85	8	76	9	7	1.080	2	7	0	1	1.5	3.7	2.9	pink eyes
	Elfe ^{bcddefghi}	380	492	76	17	74	2	7	1.067	1	16	0	1	0.7	3.8	2.6	heat sprouts
	Montreal ^{bcddefghi}	379	473	80	15	73	6	6	1.071	0	23	3	5	1.4	4.2	2.8	
	Oneida Gold ^{abdei}	377	437	79	13	81	5	1	1.070	0	15	0	0	0.8	3.4	3.7	inconsistent flesh color
	Viviana ^{bceghi}	369	509	71	25	70	1	4	1.062	0	7	0	7	1.7	3.9	2.4	
	Allora ^{bcddefghi}	368	442	81	13	78	4	5	1.069	0	12	0	0	1.4	2.9	2.5	
	Wendy ^{bdeghi}	367	577	61	36	61	1	2	1.063	0	5	0	0	1.1	3.3	3.6	
	NY149 ^{fbceghi}	360	441	80	15	78	4	4	1.075	1	16	2	0	0.9	3.3	3.2	pink eyes, sticky stolons
	W9576-11Y ^{bcdefi}	355	452	78	20	77	2	2	1.058	1	17	0	0	0.3	3.6	2.2	some alligator hide, netted skin
	Julinka ^{bceghi}	349	512	65	28	66	1	5	1.065	0	24	0	0	1.0	3.6	2.8	
	Wega ^{abcddefghi}	333	529	61	34	59	2	6	1.063	0	18	2	0	0.6	3.3	3.4	some glassy ends
	Queen Anne ^{bcddefghi}	322	463	68	27	65	4	5	1.060	0	14	3	0	0.6	2.8	2.9	bright waxy appearance
	Lady Alba ^h	247	479	52	46	52	0	2	1.078	0	0	0	20	0.5	5.0	2.5	
	CMK 2006-070-005 ^{gh}	244	386	63	32	61	3	5	1.058	5	17	0	0	1.0	4.5	2.0	
Smart ^a	154	306	50	49	50	0	1	1.059	0	0	0	0	1.0	3.5	3.5		
W10564-19Y ^e	151	636	24	11	22	2	0	1.069	0	40	0	0	0.5	4.0	3.5		
Butterfly ^a	110	278	39	61	39	0	0	1.057	0	0	10	0	0.0	3.0	4.0	some sticky stolons	
Lady Anna ^{gh}	103	296	34	63	34	0	4	1.076	0	10	0	0	1.5	5.0	2.5	oblong tuber type	
Annabelle ^a	76	256	30	69	30	0	1	1.054	0	0	0	0	1.5	2.5	4.0		
CMK 2005-010-027 ^{gh}	68	303	26	74	26	0	1	1.063	0	22	10	0	1.0	4.5	2.0		
Juliette ^a	1	217	0	98	0	0	2	1.101	0	20	0	0	0.0	2.0	4.5		
MEAN	318	467	64	29	62	2	4	1.067	1	13	2	2	0.9	3.7	3.1		
RED SKIN TYPE	Cerata ^{bcddefghi}	535	622	85	13	83	2	2	1.073	0	10	0	0	0.8	4.1	3.8	slight heat sprouts
	W8405-1R ^{befghi}	442	547	72	23	66	7	5	1.064	0	11	8	3	1.0	3.4	3.0	oval tuber type
	ND7132-1R ^{bcefgi}	439	516	84	9	73	11	7	1.062	1	14	4	0	1.6	3.6	3.1	slight skinning, sticky stolons
	Red Endevo ^{r^{befghi}}	415	514	79	19	72	7	2	1.063	2	11	0	0	1.4	3.7	2.5	sticky stolons
	MSW343-2R ^{bei}	406	477	85	10	78	8	5	1.054	0	7	0	0	0.3	2.8	3.0	sheep nose, deep eyes
	Dark Red Chieftain ^{cddefghi}	388	424	91	7	79	11	2	1.066	6	14	0	0	0.7	3.1	2.7	sticky stolons
	Dakota Ruby ^{abcddefghi}	374	477	76	19	77	1	4	1.069	2	9	0	0	1.3	3.4	2.5	uniform skin type, some skinning
	AF4831-2R ^{abcdefgi}	370	491	72	25	72	0	3	1.065	0	6	4	0	1.2	3.1	2.8	Rhizoctonia, some skinning
	W8890-1R ^{abcdefgi}	345	419	80	17	78	3	2	1.066	3	35	1	1	0.9	3.1	3.1	uniform tuber type
	Dark Red Norland^{befghi}	344	414	83	12	80	3	4	1.063	0	5	0	0	0.6	4.0	2.4	
	Fenway ^a	330	416	79	21	79	0	0	1.059	0	0	0	0	0.5	4.0	3.0	
	ND6002-1R ^{bcddefghi}	313	343	91	6	77	14	3	1.067	3	13	0	0	1.6	1.6	3.0	slight skinning
	Modoc ^{d^{egi}}	298	391	61	31	63	2	4	1.059	0	8	0	0	0.3	3.5	2.5	
	MSX569-1R ^{bc}	295	350	85	10	83	2	6	1.056	0	5	0	0	1.3	1.0	1.5	
	6049 ^a	275	328	84	16	84	0	0	1.053	0	0	0	0	0.5	3.5	4.5	
	Lollipop ^{bcddefghi}	97	232	43	55	43	0	2	1.071	0	0	3	0	1.0	2.4	2.3	alligator hide, poor tuber appearance
MEAN	354	435	78	18	74	4	3	1.063	1	9	1	0	0.9	3.2	2.9		

ROUND WHITE TYPE	MSY111-1 ^{cefi}	543	593	90	5	73	17	5	1.071	0	8	0	0	0.7	3.8	4.3	netted skin, large round tuber type
	Reba ^{bdefi}	474	505	93	3	78	15	4	1.072	0	0	0	2	0.8	3.1	3.3	bright skin appearance
	MSU383-A ^e	421	442	98	4	71	24	1	1.061	0	0	0	0	0.5	2.5	2.5	slight alligator hide
	AF4138-8 ^{bcei}	411	522	79	19	77	1	2	1.063	0	13	0	5	0.8	3.1	2.8	
	MSV179-1 ^{bcei}	392	409	96	2	72	23	2	1.066	0	3	0	0	0.6	2.4	3.7	large round tuber type
	NY157 ^{cefi}	343	400	87	13	80	5	2	1.081	3	13	5	0	0.8	3.1	3.4	
	MSU161-1 ^{be}	310	360	86	11	86	0	3	1.070	0	10	0	0	1.5	2.5	4.5	
	Onaway ^c	287	360	80	12	77	3	8	1.064	0	10	0	0	1.5	3.5	2.0	deep apical eyes
MSX497-6 ^{bcei}	252	274	92	5	86	6	3	1.065	0	3	0	0	0.9	2.4	3.0	bright skin appearance, uniform round tuber type	
	MEAN	381	430	89	8	78	11	3	1.068	0	6	1	1	0.9	2.9	3.3	
NOVELTY TYPE	NY161 ^{begh}	446	563	76	21	74	2	3	1.074	4	7	2	0	0.9	3.3	3.5	eyes splashed purple
	AF5414-1RR ^{be}	387	492	79	13	78	1	9	1.077	0	0	0	0	1.0	2.3	3.0	some purple flesh
	CO8155-2RUS/Y ^{bcehi}	321	461	68	24	68	0	8	1.075	0	2	0	0	0.6	3.7	2.8	cream colored flesh
	AF5245-1P ^{bdehi}	308	400	72	25	64	8	3	1.073	4	26	0	0	0.6	3.8	2.6	
	MSX324-1P ^{bcefi}	303	385	79	17	71	8	5	1.079	0	0	0	2	0.4	3.3	2.3	
	Amarosa ^{ab}	68	322	13	84	13	0	3	1.067	1	0	0	0	1.5	0.5	2.0	some pink flesh
	MSZ109-5RR ^a	0	124	0	100	0	0	0	1.056	1	0	0	0	0.0	0.0	1.0	very small tuber size, sticky stolons
	MEAN	262	392	55	40	52	3	4	1.071	1	5	0	0	0.7	2.4	2.5	
	TRIAL MEAN	331	443	71	24	67	4	3	1.067	1	10	1	1	0.9	3.3	3.0	

2017 Tablestock Variety Trial Sites

- ^a4-L Farms, Allegan County
- ^bCrawford Farms, Montcalm County
- ^cHorkey Brothers, Monroe County
- ^dJenkins Farms, Kalkaska County
- ^eKitchen Farms, Antrim County
- ^fTJJ Farms, Delta County
- ^gWalther Farms, Tuscola County
- ^hWalther Farms, St. Joseph County
- ⁱWilk Farms, Presque Isle County

¹SIZE

- Non-russet tablestock**
Bs: 1 1/2" - 1 7/8"
As: 1 7/8" - 3 1/4"
OV: > 3 1/4"
PO: Pickouts
- ⁵VINE VIGOR RATING**
Date: variable
Rating 1-5
1: Slow emergence
5: Early emergence

²SPECIFIC GRAVITY

Data not replicated

³RAW TUBER QUALITY

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

⁶VINE MATURITY RATING

- Date: variable
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

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

2017 Tablestock Potato Variety Trial

4-L Farms, Allegan County, MI

Planting: 5/30 Vine Kill: 8/23 Harvest: 9/11
GDD₅₀: 2536

LINE	CWT/A		PERCENT OF TOTAL ¹							RAW TUBER QUALITY ² (%)					YELLOW FLESH		RED SKIN				COMMENTS			
	US#1	TOTAL	US#1	Cs	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁹	SKIN COLOR ⁹		UNIFORMITY ¹⁰	SILVER SCURF ¹¹	
YELLOW SKIN TYPE	Soraya	283	356	80	2	10	80	0	8	1.052	0	0	0	0	0.5	3.5	3.5	2.0	3.0					
	W9576-11Y	279	355	79	4	14	79	0	3	1.053	0	0	0	0	0.0	3.0	3.0	1.5	2.5					
	Oneida Gold	226	290	78	4	18	78	0	0	1.060	0	10	0	0	0.5	3.5	4.0	1.5	2.0				inconsistent flesh color	
	Wega	171	291	59	3	38	59	0	0	1.052	0	20	0	0	0.5	3.0	4.0	2.5	3.0					
	Smart	154	306	50	6	43	50	0	1	1.059	0	0	0	0	1.0	3.5	3.5	2.5	2.5					
	Butterfly	110	278	39	13	48	39	0	0	1.057	0	0	10	0	0.0	3.0	4.0	3.0	3.5				some sticky stolons	
	Annabelle	76	256	30	20	49	30	0	1	1.054	0	0	0	0	1.5	2.5	4.0	3.0	3.0					
Juliette	1	217	0	33	65	0	0	2	1.101	0	20	0	0	0.0	2.0	4.5	2.0	2.0						
	MEAN	162	294	52	11	36	52	0	2	1.061	0	6	1	0	0.5	3.0	3.8	2.3	2.7					
RED SKIN TYPE	Fenway	330	416	79	3	18	79	0	0	1.059	0	0	0	0	0.5	4.0	3.0		2.5	2.5	4.0	3.0		
	Dakota Ruby	282	368	77	2	18	77	0	3	1.054	0	0	0	0	1.5	2.5	3.0	3.0	4.0	4.0	3.0	1.0	Rizoctonia, skinning	
	6049	275	328	84	1	15	84	0	0	1.053	0	0	0	0	0.5	3.5	4.5	3.0	3.0	3.0	3.0	1.0		
	AF4831-2R	264	378	70	2	26	70	0	2	1.054	0	20	0	0	0.5	3.0	3.5	3.5	3.0	2.5	4.0	4.0	0.0	Rizoctonia, skinning
	W8890-1R	197	250	79	5	14	79	0	2	1.051	0	40	0	10	0.0	3.0	4.0	2.5	4.0	4.5	4.5	0.0	0.0	Rizoctonia
	MEAN	269	348	78	3	18	78	0	1	1.054	0	12	0	2	0.6	3.2	3.6		2.9	3.3	3.6	2.2		
NOVELTY TYPE	Amarosa	0	124	0	100	0	0	0	0	1.064	0	0	0	0	0.0	2.0	5.0		2.5	4.0	4.0	3.5		
	MS2109-SRR	0	124	0	92	8	0	0	0	1.056	0	0	0	0	0.0	1.0	4.5		2.5	4.5	4.0	3.0	very small tuber size, sticky stolons	
		MEAN	0	124	0	96	4	0	0	1.060	0	0	0	0	0.0	1.5	4.8		2.5	4.3	4.0	3.3		
RUSSET TYPE	CW08221-SRUS	72	214	34	12	42	34	0	12	1.049	0	10	0	0	0.0	2.0	4.0	1.0	1.0				heavy russeted skin	
	TRIAL MEAN	170	284	52	19	27	52	0	2	1.058	0	8	1	1	0.4	2.8	3.9	2.1	2.5	2.8	3.6	3.7	2.5	

¹SIZE

Non-russet tablestock
 Cs: < 1 1/2"
 Bs: 1 1/2" - 1 7/8"
 As: 1 7/8" - 3 1/4"
 OV: > 3 1/4"
 PO: Pickouts

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

²SPECIFIC GRAVITY

Data not replicated

³RAW TUBER QUALITY

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

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

⁵VINE VIGOR RATING

Date: 6/27/17
 Rating 1-5
 1: Slow emergence
 5: Early emergence (vigorous)

⁶VINE MATURITY RATING

Date: 8/7/17
 Rating 1-5
 1: Early (vines completely dead)
 5: Late (vigorous vines, some flowering)

⁷WAXINESS RATING

1: Heavy netting, buff
 5: Waxy, smooth

⁸FLESH COLOR

1: White
 5: Dark yellow

⁹SKIN COLOR

1: Light pink
 5: Dark red

¹⁰UNIFORMITY OF SKIN COLOR

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

¹¹SILVER SCURF

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

FIELD DATA

Planting Date 5/30/17
 Vine Kill Date 8/23/17
 Harvest Date 9/11/17
 Days (planting to vine kill) 70
 Days (planting to harvest) 104
 GDD₅₀ MAWN Station Allegan
 GDD₅₀ (planting to vine kill) 2536
 Seed Spacing 10"

2017 Tablestock Trial Crawford Farms, Montcalm County, MI

Planting: 5/22 Vine Kill: 9/7 Harvest: 10/3
GDD₄₀: 2835

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ³ (%)							YELLOW FLESH		RED SKIN			COMMENTS					
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷		SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCORE ¹¹		
YELLOW SKIN TYPE	Jelly	559	648	86	9	85	2	5	1.083	0	0	0	0	2.5	2.0	not taken	2.5	4.0						
	Soraya	547	656	83	11	83	0	5	1.063	0	0	0	10	1.5	2.0		2.5	4.0						
	Alegria	540	593	91	7	88	3	2	1.079	0	0	0	0	1.5	1.5		2.0	4.0						
	Elfe	486	606	80	14	76	4	5	1.064	0	0	0	0	2.0	2.0		3.5	3.5						
	Allora	478	563	85	14	85	0	1	1.066	0	0	0	0	2.0	1.5		2.0	4.0						
	Montreal	474	570	83	10	78	5	6	1.069	0	20	10	0	2.0	2.5		2.0	4.0						
	Julinka	467	644	73	23	73	0	4	1.067	0	0	0	0	2.0	2.0		3.0	4.0						
	Musica	467	667	70	23	70	0	7	1.071	0	0	0	0	0.5	2.5		2.0	2.5						
	Wendy	463	673	69	29	66	2	3	1.064	0	0	0	0	2.0	1.0		3.0	3.5						
	NY161	456	560	82	17	82	0	1	1.077	0	0	0	0	1.5	2.0		-	-					eyes splashed purple	
	W9576-11Y	442	572	77	21	77	0	2	1.060	0	0	0	0	0.0	1.5		2.5	4.0					some alligator hide	
	Oneida Gold	432	511	84	15	84	0	1	1.077	0	0	0	0	1.5	2.0		1.5	3.5						
	Yukon Gold	422	490	86	6	80	6	8	1.078	0	0	0	0	2.0	2.0		2.0	3.0						pink eyes
	Viviana	418	560	75	21	75	0	4	1.056	0	0	0	0	3.0	2.5		3.5	2.5						
	Queen Anne	378	507	75	24	75	0	1	1.059	0	0	20	0	0.5	1.0		4.0	3.5						
	NY149	365	459	79	21	79	0	0	1.073	0	10	0	0	1.0	2.5		3.0	3.0						pink eyes
Malou	364	544	67	32	67	0	1	1.063	0	0	0	0	2.5	3.0		2.5	2.5							
Wega	306	576	53	45	53	0	1	1.054	0	0	0	0	1.5	1.5		3.5	4.0							
	MEAN	448	578	78	19	76	1	3	1.068	0	2	2	1	1.6	1.9		2.6	3.5						
RED SKIN TYPE	Cerata	636	698	91	9	89	2	0	1.071	0	0	0	0	2.0	2.0		-	-	-	-				
	ND7132-1R	480	540	89	8	81	8	4	1.063	0	20	10	0	4.0	1.5		4.0	4.0	3.5	3.0	2.0			
	Red Endeavor	441	548	80	16	80	1	4	1.061	10	0	0	0	3.0	2.0		4.0	1.5	3.0	3.0	3.0			
	W8890-1R	419	483	87	12	84	3	1	1.065	0	10	0	0	3.0	2.0		4.0	3.0	2.5	2.5	2.5			
	ND6002-1R	410	430	95	3	74	22	2	1.070	0	0	0	0	2.0	0.5		2.5	3.0	1.0	3.5	3.5			
	AF4831-2R	408	519	79	20	79	0	1	1.068	0	0	0	0	3.0	1.0		2.5	4.0	3.0	3.0	3.5			
	MSW343-2R	400	496	81	14	81	0	6	1.056	0	10	0	0	1.0	2.0		2.0	3.0	3.5	4.0	4.0			
	W8405-1R	360	497	72	26	72	0	2	1.069	0	0	40	0	1.5	2.0		2.5	4.0	2.5	2.0	2.0			oval tuber type
	Dakota Ruby	358	472	76	21	76	0	3	1.068	0	0	0	0	3.0	1.5		3.0	1.0	3.0	3.0	3.0			
	MSX569-1R	350	424	83	10	83	0	7	1.059	0	10	0	0	2.0	0.0		4.0	2.5	3.5	3.5	2.5			
	Dark Red Norland	305	386	79	14	79	0	7	1.060	0	0	0	0	0.5	2.5		3.0	1.0	4.0	3.0	3.0			
Lollipop	167	316	53	44	53	0	3	1.071	0	0	20	0	1.0	1.0		3.0	4.0	1.0	1.0	1.0				
	MEAN	394	484	80	16	77	3	3	1.065	1	4	6	0	2.2	1.5		3.1	2.8	2.8	2.7				
ROUND WHITE TYPE	Reba	581	612	95	3	80	15	2	1.072	0	0	0	0	2.0	2.5									
	MSY111-1	547	602	91	6	76	15	3	1.073	0	0	0	0	1.5	1.5									
	AF4138-8	384	518	74	24	74	0	2	1.066	0	0	0	0	0.5	2.0									
	MSV179-1	382	404	95	3	83	12	2	1.072	0	0	0	0	0.0	1.0									
	MSU161-1	319	383	83	15	83	0	2	1.071	0	0	0	0	2.0	1.5									
	MSX497-6	287	318	90	7	87	4	3	1.063	0	0	0	0	2.5	1.5									
	MEAN	417	473	88	10	80	8	2	1.070	0	0	0	0	1.4	1.7									
NOVELTY TYPE	AF5245-1P	353	419	84	13	84	0	3	1.071	0	0	0	0	1.0	3.0									
	AF5414-1RR	353	464	76	14	76	0	10	1.072	0	0	0	0	1.5	1.0								some purple flesh	
	MSX324-1P	349	477	73	21	45	28	6	1.079	0	0	0	0	0.0	2.0									
	CO8155-2RUS/Y	182	407	45	47	45	0	9	1.073	0	0	0	0	1.5	2.0								cream flesh	
Amarosa	136	519	26	68	25	1	6	1.071	0	0	0	0	3.0	1.0									some pink flesh	
	MEAN	275	457	61	33	55	6	7	1.073	0	0	0	0	1.4	1.8									
RUSSET TYPE	Silverton Russet	555	640	87	12	80	7	1	1.074	0	0	0	0	0.5	2.5									
	WND8625-2RUS	469	542	86	7	65	22	7	1.076	40	10	0	0	3.0	2.0									
	CW08221-5RUS	454	555	82	13	62	20	5	1.062	0	0	10	0	0.0	1.5								heavy russetting	
	TX08352-5RUS	454	548	83	11	73	10	6	1.065	10	10	0	0	1.0	1.0									
	AF5179-4RUS	448	542	83	8	55	28	9	1.088	0	10	10	0	4.0	1.0								tubular shape	
	W9742-3RUS	437	487	90	5	59	31	5	1.096	0	0	0	0	0.5	1.5								some alligator hide	
	AF5312-1RUS	421	514	82	14	77	5	4	1.075	0	0	0	0	0.0	2.0								good shape, nice skin	
	ND050032-4RUS	399	506	79	12	73	6	9	1.081	0	30	0	0	0.0	1.0								alligator hide, some net skin	
	Reveille Russet	398	487	82	7	59	22	11	1.065	0	30	0	0	2.5	1.0									
Russet Norkotah	369	507	73	21	65	8	7	1.069	0	0	0	0	2.0	2.5										
A06021-1TRUS	361	466	78	16	68	10	7	1.082	10	0	0	0	1.0	2.0										

A07061-GRUS	352	537	66	30	65	1	5	1.076	0	0	0	0	2.5	2.5	
COTX09022-3RUS	351	484	73	23	72	1	5	1.082	0	0	0	0	2.0	2.5	light skin type
WAF10073-3RUS	317	476	67	14	54	13	20	1.073	0	0	0	0	0.5	1.0	pink eye splashes
Payette Russet	231	412	56	15	46	10	29	1.084	10	0	0	0	1.0	0.0	some alligator hide
A06030-23RUS	193	320	60	35	51	9	4	1.080	20	0	0	0	0.0	1.5	some alligator hide
MEAN	388	501	77	15	64	13	8	1.077	6	6	1	0	1.3	1.6	alligator hide

TRIAL MEAN	401	515	78	18	72	6	5	1.070	2	3	2	0	1.6	1.7	2.6	3.5	3.1	2.8	2.8	2.7
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- ¹SIZE**
Non-russet tablestock
Bs: < 1 7/8"
As: 1 7/8" - 3 1/4"
OV: > 3 1/4"
PO: Pickouts
- Russets**
Bs: < 4 oz
As: 4 - 10 oz
OV: > 10 oz
PO: Pickouts
- ²SPECIFIC GRAVITY**
Data not replicated
- ³RAW TUBER QUALITY**
(percent of tubers out of 10)
HH: Hollow Heart
VD: Vascular Discoloration
IBS: Internal Brown Spot
BC: Brown Center
- 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
- ⁵VINE VIGOR RATING**
Date: 6/16/17
Rating 1-5
1: Slow emergence
5: Early emergence (vigorous vine, some flowering)
- ⁶VINE MATURITY RATING**
Date: Not taken
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)
- ⁷WAXINESS RATING**
1: Heavy netting, buff
5: Waxy, smooth
- ⁸FLESH COLOR**
1: White
5: Dark yellow
- ⁹SKIN COLOR**
1: Light pink
5: Dark red
- ¹⁰UNIFORMITY OF SKIN COLOR**
1: Highly variable, non-uniform
5: Highly uniform, color throughout
- ¹¹SILVER SCURF**
0: No incidence of silver scurf
5: High incidence of silver scurf

FIELD DATA

Planting Date	5/22/17
Vine Kill Date	9/7/17
Harvest Date	10/3/17
Days (planting to vine kill)	108
Days (planting to harvest)	134
GDD ₄₀ MAWN Station	Entrica
GDD ₄₀ (planting to vine kill)	2835
Seed Spacing	10"

2017 Tablestock Variety Trial Horkey Brothers, Monroe County, MI

Planting: 4/27 Vine Kill: 8/25 Harvest: 9/13
GDD₄₀: 3282

LINE	US#1	PERCENT OF TOTAL ¹					RAW TUBER QUALITY ² (%)							YELLOW FLESH ³			RED SKIN			COMMENTS		
		TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷	SKIN COLOR ⁹		UNIFORMITY ¹⁰	SILVER SCURF ¹¹
YELLOW SKIN TYPE	Musica	529	687	77	21	75	2	2	1.068	0	0	60	0	0.5	4.0	3.5	2.0	3.5				trace heat sprouts
	Jelly	527	596	88	5	82	6	7	1.079	0	50	0	0	0.0	3.0	4.5	2.5	3.0				
	Soraya	489	576	85	4	82	3	10	1.061	0	0	0	0	0.5	3.5	3.0	3.5	3.5				
	Queen Anne	422	557	76	17	75	1	7	1.061	0	0	0	0	0.0	2.5	3.0	4.0	3.5				
	Elfe	396	513	77	15	77	0	8	1.066	0	0	0	0	1.0	3.5	3.0	3.5	4.0				heat sprouts
	Allora	387	460	84	12	84	0	4	1.071	0	50	0	0	2.5	3.0	2.5	3.0	2.0				
	Malou	382	490	78	21	76	2	1	1.061	0	10	0	0	0.0	3.5	4.0	4.0	3.0				
	Montreal	369	515	72	27	71	1	1	1.062	0	10	0	0	3.0	4.5	3.0	3.0	2.0				
	Alegria	365	431	85	7	76	9	9	1.072	0	0	0	0	0.0	3.5	2.5	2.5	2.5				oblong tuber type, pink eyes on tubers
	NY149	356	485	73	23	72	2	4	1.075	0	50	0	0	1.0	3.5	3.0	3.0	2.5				sticky stolons, pink eyes on tubers
	Wega	349	493	71	21	71	0	8	1.065	0	30	20	0	0.5	2.5	3.0	4.0	4.0				
W9576-11Y	320	453	71	29	71	0	0	1.059	0	70	0	0	0.5	4.5	2.0	2.0	2.5				buff netted skin type	
Julinka	314	466	67	31	67	0	2	1.062	0	10	0	0	0.5	4.0	2.0	2.5	3.5					
Viviana	300	481	62	33	62	0	5	1.065	0	0	0	0	2.0	4.0	2.5	2.5	2.5					
MEAN	393	515	76	19	74	2	5	1.066	0	20	6	0	0.9	3.5	3.0	3.0	3.0					
RED SKIN TYPE	W8405-1R	447	573	78	20	78	0	2	1.062	0	50	50	0	3.0	4.0	2.5		2.5	2.5	3.0	2.0	
	Cerata	419	595	70	27	70	0	3	1.063	0	0	0	0	0.5	3.5	3.5		2.5	3.0	4.0	2.0	slight heat sprouts
	Dakota Ruby	416	509	82	18	82	0	1	1.066	0	10	0	0	3.5	3.5	2.0		3.0	4.0	4.0	4.0	uniform tuber type
	Lollipop	44	202	22	78	22	0	0	1.071	0	0	0	0	1.5	2.0	1.5		2.5	2.0	3.0	1.0	
	ND7132-1R	598	696	86	7	75	11	7	1.057	0	20	10	0	2.0	3.0	3.0		2.5	4.0	3.5	2.5	sticky stolons
	AF4831-2R	499	642	78	22	78	0	0	1.062	0	0	30	0	2.0	3.0	2.5		3.0	3.0	4.0	0.0	skinning
	ND6002-1R	385	421	92	8	92	0	0	1.066	0	0	0	0	2.0	1.0	3.0		3.0	2.0	4.0	1.0	
	Dark Red Chieftain	383	430	89	5	75	14	6	1.067	10	0	0	0	1.5	2.5	1.5		2.5	4.0	4.0	1.0	slight sticky stolons
W8890-1R	280	379	74	24	74	0	2	1.067	0	0	10	0	0.5	3.5	2.5		2.5	3.5	3.5	2.5	uniform tuber type	
MSX569-1R	239	275	87	9	83	4	4	1.054	0	0	0	0	0.5	2.0	1.5		4.0	4.0	1.5	1.0		
MEAN	371	472	76	22	73	3	3	1.063	1	8	10	0	1.7	2.9	2.4		2.8	3.2	3.5	1.7		
ROUND WHITE TYPE	MSY111-1	607	666	91	7	79	13	1	1.069	0	0	0	0	1.0	3.5	3.0						netted skin type, large round tuber type
	AF4138-8	468	554	84	13	83	1	3	1.063	0	50	0	0	0.0	3.5	2.5						
	NY157	381	435	88	12	86	2	1	1.077	0	40	0	0	0.5	3.0	3.0						uniform round type, medium netted skin
	MSV179-1	340	364	93	3	74	20	3	1.066	0	10	0	0	1.0	3.5	3.0						large round tuber type
	MSX497-6	290	297	98	2	80	18	0	1.068	0	10	0	0	0.0	2.5	3.0						bright appearance, uniform round type
	Onaway	287	360	80	12	77	3	8	1.064	0	10	0	0	1.5	3.5	2.0						deep apical eyes
Reba	280	334	84	6	70	14	10	1.071	0	0	0	0	0.0	3.0	2.5						bright appearance	
MEAN	379	430	88	8	78	10	4	1.068	0	17	0	0	0.6	3.2	2.7							
NOVELTY TYPE	MSX324-1P	212	306	69	28	69	0	3	1.076	0	0	0	0	1.0	3.5	1.0		3.5	5.0	4.0	3.5	
	CO8155-2RUS/Y	271	405	67	23	65	1	10	1.073	0	0	0	0	0.5	4.5	2.0						cream colored flesh
MEAN	241	356	68	25	67	1	7	1.074	0	0	0	0	0.8	4.0	1.5			3.5	5.0	4.0	3.5	
RUSSET TYPE	Reveille Russet	467	551	85	13	63	22	2	1.069	0	0	0	0	1.5	3.0	2.5						uniform russeted skin
	TX08352-5RUS	455	547	83	13	64	19	4	1.062	0	10	0	0	0.5	3.0	2.5						uniform russeted skin type
	Caribou Russet	445	472	94	5	56	38	1	1.078	0	70	10	0	0.5	4.0	2.5						medium russeted skin type
	AF5312-1RUS	331	518	64	23	59	5	13	1.078	0	0	0	0	0.0	3.5	3.0						heat knobs, dark russeted skin type
	Payette Russet	308	438	70	13	66	4	17	1.085	0	0	0	0	1.0	2.0	3.5						not uniform, dark russeted skin
	WAF10073-3RUS	261	481	54	31	46	8	14	1.065	0	0	0	0	1.0	3.0	2.5						poor tuber shape
	W9742-3RUS	253	309	82	5	52	30	13	1.094	0	0	0	0	0.5	2.5	3.5						light russeted skin type
MEAN	360	474	76	15	58	18	9	1.076	0	11	1	0	0.7	3.0	2.9							
TRIAL MEAN	369	471	78	17	71	6	5	1.068	0	14	5	0	1.0	3.3	2.6		3.0	3.0	2.9	3.5	3.5	2.0

¹**SIZE**
Non-russet tablestock
Bs: < 1 7/8"
As: 1 7/8" - 3 1/4"
OV: > 3 1/4"
PO: Pickouts

²**SPECIFIC GRAVITY**
Russets
Bs: < 4 oz
As: 4 - 10 oz
OV: > 10 oz
PO: Pickouts

³**RAW**
(percent of tubers out of 10)
HH: Hollow Heart
VD: Vascular Discoloration
IBS: Internal Brown Spot
BC: Brown Center

⁴**COMMON 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

⁵**VINE VIGOR RATING**
Date: 6/9/17
Rating 1-5
1: Slow emergence
5: Early emergence

⁶**VINE MATURITY RATING**
Date: 8/7/17
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

FIELD DATA
Planting Date 4/27/17
Vine Kill Date 8/25/17
Harvest Date 9/13/17
Days (planting to vine kill) 120
Days (planting to harvest) 139
GDD₄₀ MAWN Station Deerfield
GDD₄₀ (planting to vine kill) 3282
Seed Spacing 10"

⁷**WAXINESS RATING**
1: Heavy netting, buff
5: Waxy, smooth

⁸**FLESH**
1: White
5: Dark yellow

⁹**SKIN COLOR**
1: Light pink
5: Dark red

¹⁰**UNIFORMITY OF SKIN COLOR**
1: Highly variable, non-uniform
5: Highly uniform, color throughout

¹¹**SILVER SCURF**
0: No incidence of silver scurf
5: High incidence of silver scurf

2017 Tablestock Variety Trial

Jenkins Farms, Kalkaska County, MI

Planting: 5/15 Vine Kill: 8/28 Harvest: 9/19
GDD₄₀: 2652

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ³ (%)						COMMON SCAB RATING ⁴		VINE VIGOR ⁵		VINE MATURITY ⁶		YELLOW FLESH		RED SKIN			COMMENTS		
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC			WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷	SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹						
YELLOW SKIN TYPE	Jelly	662	719	92	8	90	2	0	1.103	0	20	0	0	0.0	3.5	3.5	2.0	3.5							no comments	
	Soraya	572	680	84	9	84	0	7	1.062	0	0	0	0	0.5	4.0	3.0	2.0	4.0								
	Musica	491	679	72	28	72	0	0	1.071	0	20	0	0	0.5	4.0	2.5	2.0	4.0								
	Alegria	470	539	87	12	86	1	1	1.089	0	40	0	0	1.0	4.0	2.5	2.0	2.5								
	Elfe	412	551	75	20	75	0	5	1.067	0	30	0	0	0.0	4.0	2.0	2.0	3.0								
	Wendy	388	691	56	44	56	0	0	1.071	0	0	0	0	1.0	4.0	3.0	3.0	2.5								
	Malou	384	506	76	22	76	0	2	1.064	0	20	0	0	1.0	4.5	2.0	3.0	3.0								
	Allora	359	455	79	21	76	3	0	1.068	0	10	0	0	0.5	4.0	2.0	3.0	2.0								
	Montreal	342	454	75	22	75	0	3	1.091	0	40	10	0	0.5	4.5	3.0	3.5	1.5								
	Yukon Gold	332	398	83	15	83	0	2	-	0	0	0	0	0.5	4.0	2.5	3.0	2.5								
	W9576-11Y	331	473	70	30	70	0	0	1.054	0	30	0	0	0.0	4.0	1.0	2.0	3.0								
	Queen Anne	264	513	52	47	52	0	1	1.061	0	20	0	0	1.0	3.5	2.5	3.0	4.0								
Wega	243	512	47	48	47	0	5	1.087	0	10	0	0	0.0	4.0	2.5	2.5	4.0									
MEAN	404	551	73	25	72	0	2	1.074	0	18	1	0	0.5	4.0	2.5	2.5	3.0									
RED SKIN TYPE	Cerata	653	755	86	14	86	0	0	1.102	0	20	0	0	0.5	4.5	3.5			2.5	4.0	4.0	2.0				
	Dark Red Chieftain	523	562	93	7	89	4	0	1.070	0	10	0	0	0.0	3.0	3.0			2.0	3.5	3.5	1.0				
	Dakota Ruby	345	485	71	28	71	0	1	1.082	10	10	0	0	0.5	3.5	1.5			2.0	4.0	2.0	3.0				
	AF4831-2R	228	449	51	48	51	0	1	1.073	0	10	0	0	1.5	4.0	2.5			2.5	3.0	4.0	2.0				
	Modoc	131	341	38	59	38	0	3	1.064	0	0	0	0	0.0	3.5	2.0			2.5	2.5	2.5	2.5				
	Lollipop	31	238	13	87	13	0	0	1.076	0	0	0	0	0.0	3.0	3.0			3.0	2.0	2.0	2.0				
MEAN	318	472	59	41	58	1	1	1.078	2	8	0	0	0.4	3.6	2.6			2.4	3.2	3.0	2.1					
NOVELTY	AF5245-1P	155	292	53	47	53	0	0	1.079	0	40	0	0	0.5	4.0	1.5			3.0	5.0	3.0	4.0				
RUSSET TYPE	Reveille Russet	622	707	88	10	68	20	2	1.079	0	20	0	0	0.0	3.5	3.5										
	Caribou Russet	603	662	91	8	72	19	1	1.090	10	30	0	10	0.0	4.0	3.5										
	Russet Norkotah	471	577	82	15	78	4	3	-	30	10	0	0	1.0	4.5	2.0										
	Payette Russet	438	490	89	9	71	18	2	1.094	20	0	0	0	0.0	2.5	3.5										
	GoldRush	396	492	81	12	65	16	7	1.075	0	30	0	0	0.0	4.0	1.0										
MEAN	506	586	86	11	71	15	3	1.084	12	18	0	2	0.2	3.7	2.7											
TRIAL MEAN	394	529	71	27	68	3	2	1.077	3	17	0	0	0.4	3.8	2.5			2.5	3.4	3.0	2.4					

- | | | | | | |
|------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------------------------------------|----------------------------------------------------|------------------------------------------|
| ¹SIZE | ²SPECIFIC GRAVITY | ³RAW TUBER QUALITY | ⁴COMMON SCAB RATING | ⁵VINE VIGOR RATING | ⁶VINE MATURITY RATING |
| Non-russet tablestock | Russets | (percent of tubers out of 10) | 0.0: Complete absence of surface or pitted lesions | Date: 8/22/17 | Date: 6/23/17 |
| Bs: < 1 7/8" | Bs: < 4 oz | HH: Hollow Heart | 1.0: Presence of surface lesions | Rating 1-5 | Rating 1-5 |
| As: 1 7/8" - 3 1/4" | As: 4 - 10 oz | VD: Vascular Discoloration | 2.0: Pitted lesions on tubers, though coverage is low | 1: Slow emergence | 1: Early (vines completely dead) |
| OV: > 3 1/4" | OV: > 10 oz | IBS: Internal Brown Spot | 3.0: Pitted lesions common on tubers | 5: Early emergence (vigorous vine, some flowering) | 5: Late (vigorous vines, some flowering) |
| PO: Pickouts | PO: Pickouts | BC: Brown Center | 4.0: Pitted lesions severe on tubers | | |
| | | | 5.0: More than 50% of tuber surface area covered in pitted lesions | | |
| ⁷WAXINESS RATING | ⁸FLESH COLOR | ⁹SKIN COLOR | ¹⁰UNIFORMITY OF SKIN COLOR | ¹¹SILVER SCURF | |
| 1: Heavy netting, buff | 1: White | 1: Light pink | 1: Highly variable, non-uniform | 0: No incidence of silver scurf | |
| 5: Waxy, smooth | 5: Dark yellow | 5: Dark red | 5: Highly uniform, color throughout | 5: High incidence of silver scurf | |

FIELD DATA

Planting Date	5/15/17
Vine Kill Date	8/28/17
Harvest Date	9/19/17
Days (planting to vine kill)	105
Days (planting to harvest)	127
GDD ₄₀ MAWN Station	Elk Rapids
GDD ₄₀ (planting to vine kill)	2652
Seed Spacing	10'

Reveille Russet	383	471	81	11	72	9	8	1.061	0	0	0	0	0.0	3.0	3.5	
TX08352-5RUS	367	420	87	11	79	8	2	1.066	50	0	0	0	0.0	2.5	3.0	
Silverton Russet	365	441	83	12	83	0	5	1.065	0	0	0	0	0.0	4.0	4.0	
CO05175-1RUS	288	383	75	15	75	0	10	1.080	30	30	0	0	0.0	3.0	4.5	
A06030-23RUS	257	349	74	17	74	0	9	1.084	0	0	0	0	0.0	2.5	3.0	
Payette Russet	256	364	71	7	68	3	22	1.082	0	0	0	0	0.0	1.5	4.0	heavy russet skin
MEAN	420	512	81	11	75	7	7	1.075	14	8	0	1	0.2	3.4	3.6	
TRIAL MEAN	443	532	83	11	77	6	5	1.070	5	12	0	0	0.5	3.6	3.6	2.5 3.2 2.9 3.1 4.0 0.6

1SIZE

Non-russet tablestock
Bs: < 1 7/8"
As: 1 7/8" - 3 1/4"
OV: > 3 1/4"
PO: Pickouts

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

2SPECIFIC GRAVITY

Data not replicated

3RAW TUBER QUALITY

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

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

5VINE VIGOR RATING

Date: 7/6/17
Rating 1-5
1: Slow emergence
5: Early emergence (vigorous)

6VINE MATURITY RATING

Date: 8/22/17
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

7WAXINESS RATING

1: Heavy netting, buff
5: Waxy, smooth

8FLESH COLOR

1: White
5: Dark yellow

9SKIN COLOR

1: Light pink
5: Dark red

10UNIFORMITY OF SKIN COLOR

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

11SILVER SCURF

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

FIELD DATA

Planting Date 5/31/17
Vine Kill Date 8/8/17
Harvest Date 10/20/17
Days (planting to vine kill) 69
Days (planting to harvest) 142
GDD₄₀ MAWN Station Allegan
GDD₄₀ (planting to vine kill) 2078
Seed Spacing 10"

2017 Tablestock Potato Variety Trial

TJJ Farms, Delta County, MI

Planting: 6/2 Vine Kill: 9/9 Harvest: 10/15
GDD₄₀: 2359

LINE	CWT/A	PERCENT OF TOTAL ¹							RAW TUBER QUALITY ³ (%)					COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC				
YELLOW	Wega	471	618	76	14	67	9	10	1.072	0	20	0	0	not taken	3.5	3.0	
	Soraya	458	525	87	1	78	9	12	1.063	0	0	0	0		3.5	4.5	good tuber type
	NY 149	417	451	92	4	91	1	4	1.084	0	0	0	0		3.5	2.5	
	Musica	408	520	79	5	79	0	16	1.073	0	0	0	0		3.5	3.0	poor tuber type
	Jelly	353	379	93	7	84	9	0	1.088	20	20	0	0		3.0	3.0	poor tuber type
	Elfe	280	342	82	5	82	0	13	1.078	10	0	0	0		3.5	2.0	
	Montreal	277	339	82	5	70	12	13	1.075	0	0	0	0		4.0	2.0	
	W9576-11Y	273	340	80	16	80	0	4	1.064	10	20	0	0		4.0	2.0	some soft rot
	Alegria	250	320	78	11	61	17	11	1.080	10	20	20	0		4.0	2.5	greening, poor tuber type
	Queen Anne	249	321	77	15	59	18	8	1.069	0	30	0	0		2.0	2.5	
	Yukon Gold	196	275	71	8	64	7	21	1.087	0	10	0	0		3.0	2.5	
	Allora	129	166	78	11	73	5	11	1.080	0	0	0	0		1.0	2.0	
	MEAN	313	383	81	9	74	7	10	1.076	4	10	2	0		3.2	2.6	
RED SKIN TYPE	AF4831-2R	452	494	91	7	90	1	2	1.078	0	10	0	0		3.5	2.5	
	W8405-1R	445	505	89	6	87	2	5	1.075	0	30	0	0		3.5	2.5	
	ND7132-1R	398	456	88	1	77	11	11	1.077	0	0	10	0		4.0	2.5	slight skinning
	Dark Red Norland	348	364	96	4	94	2	0	1.075	0	0	0	0		4.0	3.0	silver scurf observed
	Dakota Ruby	334	416	81	4	79	2	15	1.080	10	0	0	0		3.5	3.0	slight greening
	Cerata	319	351	91	3	91	0	6	1.075	0	0	0	0		4.0	4.0	
	W8890-1R	317	347	91	8	91	0	1	1.080	20	20	0	0		3.5	2.5	
	Dark Red Chieftain	307	328	94	3	78	16	3	1.076	0	0	0	0		2.5	2.5	
	ND6002-1R	255	305	84	4	84	0	12	1.078	10	10	0	0		1.0	2.5	slight skinning
	Red Endeavor	251	273	92	4	74	18	4	1.070	0	0	0	0		2.5	2.5	
	Lollipop	68	95	72	22	72	0	6	1.081	0	0	0	0		2.0	2.0	
	MEAN	318	358	88	6	83	5	6	1.077	4	6	1	0		3.1	2.7	
ROUND WHITE TYPE	Reba	399	431	93	1	76	17	6	1.084	0	0	0	0		3.5	3.0	
	MSY111-1	241	286	84	5	79	5	11	1.076	0	0	0	0		3.0	4.0	
	NY157	223	271	82	17	82	0	1	1.099	10	10	0	0		3.0	2.5	
	MEAN	288	329	86	8	79	7	6	1.086	3	3	0	0		3.2	3.2	
NOVELTY	MSX324-1P	288	335	86	7	83	3	7	1.088	0	0	0	0		4.0	2.0	
RUSSET TYPE	Silverton Russet	409	481	85	9	61	24	6	1.078	0	0	0	0		4.0	3.5	
	CW08221-5RUS	359	472	76	12	57	19	12	1.072	40	0	0	0		3.5	3.0	
	Russet Norkotah	354	457	78	6	56	22	16	1.079	20	20	10	0		3.5	3.0	
	ND50032-4RUS	348	418	83	6	31	52	11	1.089	0	0	0	0		3.0	4.0	
	Reveille Russet	331	420	79	12	63	16	9	1.084	10	0	0	0		2.0	4.0	
	WND8625-2RUS	284	337	85	4	44	41	11	1.084	20	10	0	0		3.0	3.5	
	W9742-3RUS	274	331	83	5	64	19	12	1.091	0	0	0	0		3.0	3.0	
	Reveille Russet (Lippens planting)	231	342	68	5	35	33	27	-	0	0	0	0		4.0		high number of pickouts
	TX08352-5RUS	222	327	67	24	62	5	9	1.074	10	0	0	0		2.0	2.5	some greening
	Payette Russet	153	252	61	9	55	6	30	1.082	0	0	0	0		1.5	4.5	poor skin set
	MEAN	296	384	77	9	53	24	14	1.081	10	3	1	0		3.0	3.4	
TRIAL MEAN		307	370	83	8	72	11	10	1.079	5	6	1	0		3.1	2.9	

¹SIZE

Non-russet tablestock

Bs: < 1 7/8"
As: 1 7/8" - 3 1/4"
OV: > 3 1/4"
PO: Pickouts

Russets

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

²SPECIFIC GRAVITY

Data not replicated

³RAW TUBER QUALITY

(percent of tubers out of 10)

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

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

⁵VINE VIGOR RATING

Date: 7/3/17
Rating 1-5
1: Slow emergence
5: Early emergence (vigorous vine, some flowering)

⁶VINE MATURITY RATING

Date: 8/30/17
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date	6/2/17
Vine Kill Date	9/9/17
Harvest Date	10/15/17
Days (planting to vine kill)	99
Days (planting to harvest)	135
GDD ₄₀ MAWN Station	Escanaba
GDD ₄₀ (planting to vine kill)	2359
Seed Spacing	10"

2017 Tablestock Potato Variety Trial Walther Farms, Hemlock, St. Joseph County, MI

Planting: 5/17 Vine Kill: 8/18 Harvest: 9/5
GDD₅₀: 2739

LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ³ (%)					YELLOW FLESH		RED SKIN				COMMENTS			
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷		SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹
YELLOW SKIN TYPE	Yukon Gold	459	510	90	8	85	5	2	1.077	3	13	3	0	2.5	4.5	2.3	3.0	2.3				
	Jelly	400	519	77	20	77	0	3	1.067	0	10	0	0	1.0	4.5	3.5	4.0	3.0				
	Montreal	377	464	81	14	77	4	5	1.062	0	17	3	0	1.5	5.0	2.2	3.2	1.7				
	Soraya	360	503	71	25	71	0	4	1.054	0	23	0	3	0.3	4.5	2.8	3.5	3.7				
	CMK2006-070-005	348	551	63	35	58	5	2	1.057	10	23	0	0	0.5	4.5	2.0	4.0	2.5				
	Malou	338	504	67	30	67	0	3	1.061	0	30	7	0	1.3	4.5	2.0	3.2	2.3				
	NY161	313	482	64	33	64	0	3	1.069	0	10	0	0	1.0	3.8	2.7	-	-				
	Alegria	308	403	76	16	76	0	8	1.068	0	10	0	0	1.2	4.5	2.2	2.8	2.7				
	Julinka	283	488	58	39	58	0	3	1.062	0	23	0	0	0.8	4.3	2.2	3.0	3.5				
	Elfe	272	419	65	27	65	0	8	1.062	0	0	0	0	0.0	5.0	2.0	4.0	3.0				
	Viviana	266	419	64	34	64	0	2	1.061	0	17	0	0	2.5	4.8	1.7	3.0	2.5				
	Allora	265	322	82	14	77	5	4	1.061	0	10	3	0	1.2	3.7	2.2	3.2	3.2				
	NY149	265	322	82	14	77	5	4	1.069	0	7	3	0	1.2	3.7	2.2	3.2	3.2				pink eyes
	Lady Alba	247	479	52	46	52	0	2	1.078	0	0	0	20	0.5	5.0	2.5	4.0	1.0				
	Wega	244	528	47	50	47	0	3	1.057	0	36	0	0	0.7	4.2	2.8	3.5	3.7				some glassy ends
	Musica	238	468	51	45	51	0	4	1.064	0	10	10	3	1.2	4.5	2.3	2.3	3.2				
	Wendy	236	529	45	54	45	0	1	1.061	0	0	0	0	1.3	4.5	2.8	3.3	3.2				
	Queen Anne	204	333	60	36	60	0	4	1.053	0	33	0	0	0.7	4.0	2.2	4.2	2.8				
	Lady Anna	172	485	35	64	35	0	1	1.077	0	0	0	0	1.5	5.0	2.5	4.0	3.0				
	CMK2005-010-027	93	468	20	80	20	0	0	1.064	0	23	20	0	0.0	4.5	2.0	3.5	2.0				
MEAN	284	460	63	34	61	1	3	1.064	1	15	2	1	1.0	4.5	2.4	3.4	2.8					
RED SKIN TYPE	Cerata	399	494	81	17	81	0	2	1.062	0	3	0	0	1.0	4.8	3.3		2.5	3.7	2.7	3.2	
	ND7132-1R	367	455	80	17	72	8	3	1.057	0	20	0	0	1.2	4.7	2.5		3.7	3.2	3.5	2.5	
	W8405-1R	355	536	66	33	65	1	1	1.060	0	17	7	0	1.5	4.7	2.7		2.3	3.0	2.8	2.7	
	Dakota Ruby	321	447	72	25	72	0	3	1.065	0	3	0	0	0.8	4.8	2.3		3.5	3.2	2.8	3.2	
	ND6002-1R	321	364	88	11	87	1	1	1.063	0	17	0	0	1.8	3.3	2.3		2.7	3.0	2.3	3.3	
	Dark Red Norland	317	419	76	19	76	0	5	1.061	0	10	0	0	1.2	4.7	2.0		2.5	2.5	3.3	2.8	
	Dark Red Chieftain	307	351	87	11	75	12	2	1.059	0	17	0	0	1.0	4.0	2.5		4.0	3.8	3.0	2.8	
	Red Endeavor	284	450	63	37	63	0	0	1.058	0	17	0	0	1.2	5.0	2.0		2.5	3.2	2.3	2.3	
Lollipop	86	256	36	64	36	0	0	1.065	0	0	0	0	2.0	3.5	2.0		2.5	2.8	2.3	2.5		
MEAN	306	419	72	26	70	2	2	1.061	0	12	1	0	1.3	4.4	2.4		2.9	3.1	2.8	2.8		
Novelty Type	CO8155-2RU/Y	290abc	447	65	31	65	0	4	1.074	0	0	0	0	0.3	5.0	2.8						
	AF54245-1P	128	222	57	36	57	0	7	1.071	0	30	0	0	0.0	4.5	2.0		5.0	3.0	4.0	3.0	
MEAN	209	334	61	34	61	0	6	1.073	0	15	0	0	0.2	4.8	2.4		5.0	3.0	4.0	3.0		
Russet	COTX09022-3RusRE/Y	262	406	65	34	65	0	1	1.078	0	10	0	0	0.0	4.5	2.5					pink splashes on eyes	
TRIAL MEAN	279	437	64	33	63	1	3	1.063	0	13	2	1	1.1	4.4	2.4		3.4	2.8	3.1	3.1	2.9	2.8

¹SIZE

Non-russet tablestock
Bs: < 1 7/8"
As: 1 7/8" - 3 1/4"
OV: > 3 1/4"
PO: Pickouts

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

²SPECIFIC GRAVITY

Data not replicated

³RAW TUBER QUALITY

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

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

⁵VINE VIGOR RATING

Date: 6/27/17
Rating 1-5
1: Slow emergence
5: Early emergence (vigorous vine, some flowering)

⁶VINE MATURITY RATING

Date: 8/16/17
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

⁷WAXINESS RATING

1: Heavy netting, buff
5: Waxy, smooth

⁸FLESH COLOR

1: White
5: Dark yellow

⁹SKIN COLOR

1: Light pink
5: Dark red

¹⁰UNIFORMITY OF SKIN COLOR

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

¹¹SILVER SCURF

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

FIELD DATA

Planting Date 5/17/17
Vine Kill Date 8/18/17
Harvest Date 9/5/17
Days (planting to vine kill) 93
Days (planting to harvest) 111
GDD₅₀ MAWN Station Mendon
GDD₅₀ (planting to vine kill) 2739
Seed Spacing 10"

2017 Tablestock Potato Variety Trial Walther Farms, Cass City, Tuscola County, MI

Planting: 5/19 Vine Kill: 8/15 Harvest: 9/5
GDD₄₀: 2456

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ² (%)				YELLOW FLESH		RED SKIN				COMMENTS					
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	WAXINESS ⁷		FLESH COLOR ⁸	WAXINESS ⁷	SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹
Jelly	338	456	74	24	74	0	2	1.077	0	17	0	0	1.0	4.5	4.7	2.2	2.5					oval to oblong tuber type
Yukon Gold	300	376	79	12	78	1	9	1.086	0	27	0	0	1.7	5.0	3.5	2.5	1.8					some pink eyes
Alegria	286	385	74	21	74	0	5	1.078	0	80	0	0	1.0	4.7	3.8	2.0	2.0					light pink eyes
Soraya	285	442	64	31	64	0	5	1.065	0	17	0	0	0.5	4.3	4.0	2.7	3.5					
NY149	284	402	71	27	71	0	2	1.079	0	27	3	0	1.0	4.3	3.5	1.8	2.2					pink eyes
Montreal	283	378	74	22	74	0	4	1.073	0	17	0	0	0.7	4.8	3.7	2.3	1.5					
Malou	272	476	57	38	57	0	5	1.067	0	40	0	0	1.2	5.0	3.7	3.2	1.8					bright skin color
Musica	250	479	52	45	52	0	3	1.070	0	17	0	0	1.0	4.7	3.7	2.0	2.7					
Viviana	242	429	57	37	57	0	6	1.067	0	23	0	0	0.8	4.8	3.5	3.0	2.7					
Allora	217	322	65	23	65	0	12	1.072	0	23	0	0	1.3	3.3	3.5	2.2	1.7					
NY161	213	382	56	39	56	0	5	1.075	0	17	0	0	0.7	3.8	3.7	2.7	2.2					purple splash on eyes
Julinka	201	370	53	43	53	0	4	1.069	0	47	0	0	1.3	4.2	3.7	3.2	2.8					
Elfe	183	374	50	45	50	0	5	1.071	0	37	0	0	0.7	5.0	3.2	3.0	2.8					
Lady Anna	172	485	32	64	32	0	4	1.075	0	20	0	0	1.5	-	-	2.0	2.0					oblong tuber type
Wendy	159	413	39	58	39	0	3	1.067	0	10	0	0	1.3	4.8	3.8	2.7	2.8					
Queen Anne	142	395	36	62	36	0	2	1.064	0	30	0	0	0.8	4.2	3.7	3.5	2.3					bright waxy appearance
CMK 2006-070-005	140	221	63	29	63	0	8	1.058	0	10	0	0	1.5	-	-	3.0	2.0					
Wega	129	418	30	66	30	0	4	1.065	0	43	0	0	1.0	4.3	3.5	2.8	2.8					
CMK 2005-010-027	42	138	31	68	31	0	1	1.061	0	20	0	0	2.0	-	-	3.5	2.0					
MEAN	218	386	56	40	56	0	5	1.071	0	27	0	0	1.1	4.5	3.7	2.6	2.3					
Dark Red Norland	340	431	79	19	79	0	2	1.068	0	20	0	0	0.7	5.0	2.8			2.5	2.2	3.7	3.0	
Cerata	331	434	76	23	76	0	1	1.069	0	13	0	0	0.7	4.8	4.0	2.7	2.7					
Red Endeavor	301	472	63	35	63	0	2	1.066	0	17	0	0	0.8	5.0	3.2	2.2	2.2					sticky stolons
Dakota Ruby	264	420	63	35	63	0	2	1.078	0	10	0	0	0.5	5.0	3.3	4.0	2.5					skinning
Dark Red Chieftain	235	283	83	16	80	3	1	1.070	0	33	0	0	1.0	3.5	3.7	4.2	3.2					
W8890-1R	222	380	59	40	59	0	1	1.070	0	63	0	0	1.0	4.0	3.3	3.7	3.8					
ND6002-1R	192	224	85	10	77	8	5	1.067	0	37	0	0	1.2	2.3	4.0	2.5	2.8					skinning
ND7132-1R	137	189	72	24	72	0	4	1.057	0	0	0	0	1.5	-	-	4.0	3.0					
AF4831-2R	91	189	48	49	48	0	3	1.062	0	10	0	0	1.0	-	-	2.5	4.0					skinning
Lollipop	80	201	41	57	41	0	2	1.070	0	3	3	0	2.2	3.0	3.2	2.8	2.5					alligator hide
Modoc	37	90	41	52	41	0	7	1.056	0	10	0	0	1.0	-	-	4.0	4.0					
W8405-1R	25	83	30	54	30	0	16	1.054	0	10	0	0	0.5	-	-	2.5	2.0					
MEAN	188	283	62	35	61	1	4	1.066	0	19	0	0	1.0	4.1	3.4			3.3	3.2	2.8	2.8	
TRIAL MEAN	206	346	58	38	58	0	4	1.069	0	24	0	0	1.1	4.4	3.6	2.6	2.3	3.3	3.2	2.8	2.8	

¹SIZE

Non-russet tablestock
 Russets
 Bs: < 1 7/8"
 As: 1 7/8" - 3 1/4"
 OV: > 3 1/4"
 PO: Pickouts

²SPECIFIC GRAVITY

Data not replicated

³RAW TUBER QUALITY

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

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

⁵VINE VIGOR RATING

Date: 6/27/17
 Rating 1-5
 1: Slow emergence
 5: Early emergence (vigorous vine, some flowering)

⁶VINE MATURITY RATING

Date: 8/7/17
 Rating 1-5
 1: Early (vines completely dead)
 5: Late (vigorous vines, some flowering)

⁷WAXINESS RATING

1: Heavy netting, buff
 5: Waxy, smooth

⁸FLESH COLOR

1: White
 5: Dark yellow

⁹SKIN COLOR

1: Light pink
 5: Dark red

¹⁰UNIFORMITY OF SKIN COLOR

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

¹¹SILVER SCURF

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

FIELD DATA

Planting Date 5/19/17
 Vine Kill Date 8/15/17
 Harvest Date 9/5/17
 Days (planting to vine kill) 88
 Days (planting to harvest) 109
 GDD₄₀ MAWN Station Fairgrove
 GDD₄₀ (planting to vine kill) 2456
 Seed Spacing 10"

2017 Tablestock Trial

Wilk Farms, Presque Isle County, MI

Planting: 5/26 Vine Kill: X/X Harvest: 10/6
GDD₄₀: XXXX

LINE	CWT/A		PERCENT OF TOTAL ¹						RAW TUBER QUALITY ³ (%)					COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC					
YELLOW SKIN TYPE	Soraya	934	1024	91	4	83	8	5	1.058	0	30	0	0	0.5	4.0	3.0	no comments
	Malou	758	808	93	2	81	12	5	1.058	0	0	0	0	1.0	4.0	3.5	
	Musica	731	785	93	6	89	4	1	1.064	10	0	0	0	0.5	3.0	3.0	
	NY161	699	778	90	6	80	10	4	1.074	20	10	10	0	1.0	3.0	3.0	
	Wega	654	792	82	9	77	5	9	1.057	0	0	0	0	1.0	3.0	4.0	
	Allora	618	667	93	5	81	12	2	1.065	0	0	0	0	2.0	3.0	3.0	
	Alegria	595	628	95	3	69	26	2	1.082	10	0	0	50	0.0	3.0	4.0	
	Montreal	535	592	91	5	78	13	4	1.066	0	50	0	40	1.0	4.0	3.5	
	Elfe	519	562	93	3	85	8	4	1.061	0	0	0	10	0.0	4.0	2.5	
	Yukon Gold	509	538	94	6	63	31	0	1.071	0	0	0	10	2.0	3.0	3.5	
	Wendy	492	576	85	10	79	6	5	1.054	0	0	0	0	1.0	2.0	4.0	
	NY149	459	513	90	6	72	18	4	1.068	10	20	0	0	1.0	2.0	3.5	
	Oneida Gold	437	494	89	8	70	19	3	1.070	0	10	0	0	0.5	4.0	3.5	
	W9576-11Y	424	482	88	12	85	3	0	1.060	0	0	0	0	1.0	4.0	2.0	
Viviana	383	471	81	17	81	0	2	1.059	0	0	0	40	0.5	3.0	1.5		
Queen Anne	368	437	84	8	80	4	8	1.054	0	0	0	0	0.5	2.0	2.5		
Jelly	214	278	77	21	71	6	2	1.054	0	40	0	0	0.5	3.0	4.5		
	MEAN	549	613	89	8	78	11	4	1.063	3	9	1	9	0.8	3.2	3.2	
RED SKIN TPE	Cerata	959	999	96	3	86	10	1	1.071	0	0	0	0	0.5	5.0	4.5	
	W8405-1R	845	944	90	7	61	29	3	1.062	0	10	0	20	0.5	3.0	3.0	
	Red Endeavor	795	827	96	3	79	17	1	1.058	0	20	0	0	0.5	4.0	2.5	
	AF4831-2R	628	749	84	7	84	0	9	1.062	0	0	0	0	0.0	3.0	3.0	
	Dakota Ruby	613	686	89	8	81	8	3	1.059	0	20	0	0	0.0	3.0	2.0	
	ND7132-1R	599	708	85	3	54	31	12	1.061	0	40	0	0	0.5	4.0	3.0	
	Dark Red Cheifan	565	598	94	4	70	24	2	1.051	0	30	0	0	0.0	3.0	2.0	
	W8890-1R	534	600	89	7	74	15	4	1.060	0	30	0	0	1.0	3.0	2.5	
	Modoc	452	493	92	7	86	6	1	1.057	0	20	0	0	0.0	3.0	2.5	
	ND6002-1R	365	383	95	4	58	37	1	1.058	10	30	0	0	0.5	1.5	2.5	
	MSW343-2R	347	395	88	5	71	17	7	1.052	0	10	0	0	0.0	3.0	2.5	
Dark Red Norland	275	330	83	13	78	5	4	1.054	0	0	0	0	0.0	4.0	1.5		
Lollipop	124	222	56	39	56	0	5	1.060	0	0	0	0	0.0	2.0	2.0		
	MEAN	546	610	87	8	72	15	4	1.059	1	16	0	2	0.3	3.2	2.6	
ROUND WHITE TYPE	MSY111-1	662	729	91	3	55	36	6	1.068	0	30	0	0	0.5	5.0	5.0	
	Reba	602	624	97	3	78	19	0	1.062	0	0	0	10	0.5	3.0	4.0	
	MSV179-1	479	487	99	1	50	49	0	1.060	0	0	0	0	0.5	2.0	4.0	
	NY157	441	479	92	6	80	12	2	1.075	0	0	20	0	0.5	3.0	3.5	
	AF4138-8	420	498	84	12	80	4	4	1.060	0	0	0	20	1.0	3.0	3.0	
	MSX497-6	179	197	91	7	89	2	2	1.065	0	0	0	0	0.5	2.0	2.5	
	MEAN	464	502	92	5	72	20	2	1.065	0	5	3	5	0.6	3.0	3.7	

NOVELTY TYPE	AF5245-1P	549	595	92	6	61	31	2	1.068	10	0	0	0	0.5	3.0	2.5
	CO8155-2RU/Y	438	525	83	7	82	1	10	1.077	0	0	0	0	0.5	3.0	3.0
	MSX324-1P	329	386	85	13	78	7	2	1.070	0	0	0	10	0.0	3.0	2.5
	MEAN	439	502	87	9	74	13	5	1.072	3	0	0	3	0.3	3.0	2.7
RUSSET TYPE	COTX09022-3RUSRE/Y	679	731	93	4	79	14	3	1.077	10	20	20	0	1.5	4.0	3.0
	Silverton Russet	658	711	92	4	75	17	4	1.068	0	0	10	0	0.5	4.0	4.5
	Reveille Russet	638	703	90	3	65	25	7	1.061	0	20	0	0	0.5	3.0	3.0
	Caribou Russet	627	672	93	3	77	16	4	1.068	0	20	0	0	0.5	4.0	4.0
	AF5312-1RUS	606	671	90	8	85	5	2	1.062	0	0	0	0	0.5	5.0	3.0
	AF5179-4RUS	546	612	89	5	80	9	6	1.059	0	0	0	0	0.5	2.0	3.5
	Russet Norkotah	535	609	88	8	76	12	4	1.063	0	0	0	0	0.5	4.0	3.0
	CW08221-5RUS	524	595	88	6	77	11	6	1.058	20	0	0	0	0.5	3.0	3.5
	W9742-3RUS	523	593	88	4	64	24	8	1.075	0	10	0	0	0.5	2.0	4.0
	Payette Russet	484	670	72	3	45	27	25	1.069	20	10	0	0	0.5	2.0	5.0
	WND8625-2RUS	469	496	94	4	85	9	2	1.065	0	0	0	0	0.5	3.0	3.5
	TX08352-5RUS	431	455	95	5	88	7	0	1.052	0	10	10	0	0.5	3.0	3.0
	AF5468-5RUS	403	486	83	8	72	11	9	1.065	10	20	0	0	0.0	3.0	3.5
ND050032-4RUS	375	439	85	8	73	12	7	1.064	0	0	0	0	0.0	3.0	3.5	
Gold Rush	283	352	80	16	73	7	4	1.085	0	20	0	0	0.5	3.0	4.0	
	MEAN	519	586	88	6	74	14	6	1.066	4	9	3	0	0.5	3.2	3.6
	TRIAL MEAN	523	584	89	7	75	14	4	1.064	2	10	1	4	0.5	3.2	3.2

¹SIZE

Non-russet tablestock

Bs: < 1 7/8"
As: 1 7/8" - 3 1/4"
OV: > 3 1/4"
PO: Pickouts

Russets

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

²SPECIFIC GRAVITY

Data not replicated

³RAW TUBER QUALITY

(percent of tubers out of 10)

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

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

⁵VINE VIGOR RATING

Date: 7/6/17
Rating 1-5
1: Slow emergence
5: Early emergence (vigorous vine, some flowering)

⁶VINE MATURITY RATING

Date: 8/29/17
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date 5/26/17
Vine Kill Date
Harvest Date 10/6/17
Days (planting to vine kill)
Days (planting to harvest) 142
GDD₄₀ MAWN Station Allegan
GDD₄₀ (planting to vine kill)
Seed Spacing 10"

2017 Yellow Flesh Variety Descriptions

Entry	Pedigree	2016 Scab Rating*	Characteristics
Alegria	Norika America, LLC	0.8	High yield potential, long-oval tuber shape, resistant to Ro1 Ro4 cyst nematodes, PVY, and leaf roll
Allora	Norika America, LLC	0.7	High yield potential, oval-oblong tuber shape, light to medium yellow flesh, early to medium maturity, resistant to Ro1 cyst nematodes, PVY, and leaf roll
Annabelle	Sun Rain	-	Early maturity, long oval tubers, bright yellow skin with creamy yellow flesh, short dormancy
Elfe	Sun Rain	1.0	High yield potential, smooth light yellow skin with medium yellow flesh, early season maturity, resistant to common scab, blackleg, and Rhizoctonia
Jelly	Sun Rain	0.6	High yield potential, oblong tubers, medium yellow flesh, medium to late maturity, resistant to common scab, PVY, Rhizoctonia, blackleg, and late blight
Julinka	Sun Rain	1.4	High yield potential, yellow skin with bright yellow flesh, oval tuber shape, early season maturity, resistant to common scab
Lady Alba	--	-	--
Lady Anna	Meijer Seed Potato Ltd.	-	Light yellow skin with yellow flesh, oblong shape, uniform, medium maturity, resistant to bruising and common scab, ideal for french fries
Lady Terra	Meijer Seed Potato Ltd.	-	High yield potential, uniform tubers, yellow skin with yellow flesh, medium to late maturity, resistant to common scab, adapted to a broad range of soil types
Malou	Oasis x INRA94T146.43	1.3	Oval shape, medium yellow flesh, small size profile

(2017 Yellow Flesh Varieties cont.)

Entry	Pedigree	2016 Scab Rating*	Characteristics
Montreal	Solanum International	-	Round to oval in shape, light yellow skin with light yellow flesh, shallow eyes, large tuber size, high yield potential, resistance to tuber blight, medium
Musica	Meijer Seed Potato Ltd.	-	Deep yellow flesh with light yellow skin, mid-early maturity, resistance to PVY and several potato cyst nematodes
Oneida Gold (W6703-1Y)	Satina x W2275-2Y	0.6	Good yield, medium maturity, slightly better shape than W6703-5Y, common scab tolerant, medium yellow flesh, buff to slightly netted skin type
Queen Anne	Solanum International	-	Oval to oblong shape, yellow flesh, yellow skin, shallow eyes, medium to high scab resistance, PVY resistance and resistance to Ro1 and Ro4 nematodes
Rock	Meijer Seed Potato Ltd.	-	High yield potential, suitable for table and french fries, yellow skin and yellow flesh, oval shape, prefers heavier soils, nematode resistance
Smart	HZPC	-	Early to medium variety, deep yellow, high number of tubers per plant, round to oval shape, deep yellow skin and flesh, resistant to Potato Cyst Nematodes and Wart disease, medium resistance to common scab
Soraya	Norika America, LLC	0.2	High yield potential, late maturity, large oval-oblong tubers with yellow skin and yellow flesh, low specific gravity, resistant to common and powdery scab
Viviana	Sun Rain	1.1	High yield potential, smooth yellow skin with light yellow flesh, oval tuber shape, early season maturity, tolerant to common scab, black leg, and late blight

(2017 Yellow Flesh Varieties cont.)

Entry	Pedigree	2016 Scab Rating*	Characteristics
Wega	Norika America, LLC	0.6	High yield potential, medium yellow flesh, oval-oblong tuber shape, resistant to PVY and Ro1 Cyst nematodes
Wendy	Norika America, LLC	-	Yellow skin and flesh, oval shape, resistant to Ro1 and Ro4 nematodes, resistant to common scab, moderate resistance to leaf and tuber blight
Yukon Gold	Norgleam x W5279-4	1.2	Moderate yields, medium maturity, oval shaped with yellow-white skin and light yellow flesh, common scab susceptible
CMK 2005-010-027	Meijer Seed Potato Ltd.	-	--
CMK 2006-070-005	Meijer Seed Potato Ltd.	-	Early season variety, light yellow flesh, high yield potential
NY149	Yukon Gold x Keuka Gold	-	Mid to late season, slightly-textured skin and pink eyes, oval shape, medium yellow flesh, resistance to Ro1 cyst nematode, moderate common scab resistance
NY161	Daisy Gold x C24-1	-	Yellow flesh
W10564-19Y	W9979-2YR/Y x Gala	-	--
W9576-11Y	Dakota Pearl x Gala	1.5	Medium maturity, high yield potential, buff skin type, nice yellow flesh color

* Scab rating based on 0-5 scale; 0 = most resistant and 5 = most susceptible. Common scab data provided by Potato Outreach Program. Line descriptions provided by various potato breeding programs and updated by Potato Outreach Program following evaluations at various trial locations throughout Michigan.

2017 Red Skin Variety Descriptions

Entry	Pedigree	2016 Scab Rating*	Characteristics
Cerata	Stet Holland	-	Medium to late maturity, oval shaped tubers, white flesh and dark red skin, adapted to all soil types, suitable for storage, resistant to potato cyst nematodes Ro1, moderate resistance to common scab
Ciklamen	I 71 17 6 x Magyar rozsa	1.9	High yield potential, medium to late maturity, oval shaped tubers, resistant to common scab, PVY and blackleg
Dakota Ruby	ND7188-4R x ND5256-7R	0.3	Uniform round, smooth tubers with white flesh, vigorous vine, nice dark red skin, some possible issues with skin set
Dark Red Chieftain	LA1354 x LA1027-18	0.7	Broadly adapted, high yield potential, medium maturity, oblong to round tubers, moderate resistance to common scab
Dark Red Norland	Redkote x ND626	0.4	Broadly adapted, low to moderate yields, early season maturity, smooth, oblong, slightly flattened tubers, common scab tolerant
Lollipop	Solanum International	-	Small round tubers, with shallow eyes, medium resistance to PVY, foliage blight, tuber blight, average yield
Modoc	ND1196-2R x ND2225-1R	0.9	Average yield potential, smaller size profile, early maturity, round to oval tubers, susceptible to late blight
Red Endeavor	B1491-5 x W1100R	0.4	Uniform round tubers with shallow eyes, skin color similar to Dark Red Norland, skin set comparable to Red LaSoda
AF4831-2R	ND028946B x ND8555-8R	0.7	A mid-season, bright red-skinned, white-fleshed variety with oblong tubers and small size profile, moderate common scab and verticillium resistance

(2017 Red Skin Varieties cont.)

Entry	Pedigree	2016 Scab Rating*	Characteristics
MSW343-2R	MSQ440-2 x NDTX4172-5R	-	Early bulking red skin potato with some scab tolerance
MSX569-1R	MSS002-2R x MSS544-1R	-	--
ND6002-1R	NorDonna x Bison	0.5	Uniform tubers, bright red skin, good yield potential, medium vine maturity, average specific gravity, common scab susceptible
ND7132-1R	ND5002-3R x ND5438-1R	0.9	Medium maturity and yield potential, bright red skin with white flesh, oval to oblong shape, common scab susceptible
W10114-3R	Modoc x W5767-1R	-	--
W8405-1R	Kankan x W2303-9R	-	--
W8890-1R	W2169-1R x Dakota Rose	0.8	Fresh market, dark red skin color and smaller size profile

* Scab rating based on 0-5 scale; 0 = most resistant and 5 = most susceptible. Common scab data provided by Potato Outreach Program. Line descriptions provided by various potato breeding programs and updated by Potato Outreach Program following evaluations at various trial locations throughout Michigan.

2017 Round White Variety Descriptions

Entry	Pedigree	2016 Scab Rating*	Characteristics
Onaway	USDAX96-56 x Katahdin	-	Early maturity, low specific gravity, used primarily out-of-the field for fresh market, minimal internal defects, not recommended for storage, moderate resistance
Reba (NY 87)	Monona x Allegany	0.9	High yield, bright tuber appearance, low incidence of internal defects, mid to late season maturity, medium specific gravity, resistance to golden nematode Ro1, common scab, verticillium wilt, and early blight, susceptible to late blight and PVY
Superior	USDA96-56 x M59.44	-	Early to medium maturity, round to oblong tubers, deep eyes, above average yield potential, resistant to net necrosis and common scab, susceptible to verticillium wilt, pressure bruise issues in long-term storage
Waneta (NY138)	Marcy x NY115	-	Late season maturity, size profile similar to Atlantic, oblong tubers, can be used for chipping, resistance to common scab and golden nematode Ro1, below average specific gravity
AF4138-8	SA9707-6 x AF1953-4	-	High yield potential, low incidence of HH and external defects, early to mid-season maturity, moderate scab resistance, blackspot resistance, small size profile
MSU161-1	MSM182-1 x MSL211-3	-	Above average yield potential, medium vine maturity, round, uniform tubers with netted skin, resistance to common scab
MSU383-A	MSP292-7 x MSG227-2	-	Average/high yield potential, common scab resistant, average specific gravity
MSV179-1	LBR8 x MSL211-3	1.0	Average yield, round white potato with bright skin, scab resistance
MSX497-6	MSQ131-A x MSL268-D	-	--

(2017 Round White Varieties cont.)

Entry	Pedigree	2016 Scab Rating*	Characteristics
MSY111-1	MSQ086-3 x McBride	-	High yield potential, good internal quality, common scab resistance
NDAF102629C-4	ND7519-1 x ND7799C-1	-	--
NY157	White Pearl x NY115	1.1	High yield potential, low internal defects, medium specific gravity, moderate common scab resistance, chipping potential

* Scab rating based on 0-5 scale; 0 = most resistant and 5 = most susceptible. Common scab data provided by Potato Outreach Program. Line descriptions provided by various potato breeding programs and updated by Potato Outreach Program following evaluations at various trial locations throughout Michigan.

2017 Novelty Variety Descriptions

Entry	Pedigree	2016 Scab Rating*	Characteristics
AmaRosa	PA97B23-2 X Red Bulk Pollen	0.3	Red skin and red flesh, mid-season maturity, "russet-shaped" tubers, resistant to common scab and late blight, retains color after cooking and chipping
AF5245-1P	Michigan Purple X Villeta Rose	-	--
AF5414-1RR	BC001044-2 X Dakota Jewel	-	--
CO08155- 2RU/Y	Fortress Russet X Innovator	0.0	Yellow flesh and pink eyes
COTX09022- 3RUSRE/Y	A00286-3Y X CO99100-1RUS		Nice yellow flesh, reddish eyes, good tuber shape, vigorous vines, late maturing
MSX324-1P	MSN105-1 X Colonial Purple	0.3	Attractive purple skin with white flesh, some scab tolerance
MSZ109-5RR	COMN07-W11BG1 X MSU200-5PP	-	--

* Scab rating based on 0-5 scale; 0 = most resistant and 5 = most susceptible. Common scab data provided by Potato Outreach Program. Line descriptions provided by various potato breeding programs and updated by Potato Outreach Program following evaluations at various trial locations throughout Michigan.