

2020 Potato Outreach Program On-Farm Variety Trials

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

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2020 Tablestock Potato Variety Trial Overall Averages - Eight Locations

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ⁴ (%)				YELLOW FLESH		RED SKIN			COMMENTS								
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	COMMON SCAB	VINE VIGOR ⁷	VINE MATURITY ⁸		WAXINESS ⁷	FLESH COLOR ⁸	SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹			
YELLOW SKIN TYPE	Columba ^{MSG}	519	601	85	11	85	0	4	1.054	0	1	0	0	3.8	1.6	3.6	2.6				non uniform, tr heat sprouts, tr ah, points, oval flattened round type, netted			
	MSZ615-2 ^{MSG}	487	534	91	7	91	0	2	1.065	10	7	7	0	1.3	3.5	2.7	1.8	2.5			oval to oblong, bright, sl netted			
	Cascada ^{MSG}	469	813	58	38	58	0	4	1.074	0	0	0	0	2.5	4.5	4.0	4.5	5.0			round, mooth, bright, uniform, sl netting, tr knobs round uniform type, netted, shallow eyes			
	Golden Globe ^{MSG}	420	542	76	18	76	0	6	1.063	2	4	2	0	1.0	3.8	2.3	4.1	2.3			round uniform type, netted, shallow eyes			
	MSCC515-2Y ^{MS}	419	471	89	7	89	0	4	1.073	0	15	0	0	1.0	3.3	3.5	2.5	2.3						
	Paroli ^{MSG}	412	504	81	10	81	0	9	1.057	0	2	0	0	1.1	4.0	1.2	3.6	3.3				oblong type, attractive appearance, uniform, sl netting sl netted skin, round, tr sheep nose, bright appearance		
	Tyson ^{MSG}	404	477	84	11	84	0	5	1.071	0	3	10	0	1.1	3.8	2.8	3.3	2.1				bright, oblong to long type		
	Jennifer ^{MS}	401	564	71	22	71	0	7	1.060	0	0	10	0	3.5	3.5	2.5	4.5	1.0				pink spl around eyes, oblong, netted bright skin finish		
	CO11250-1W/V ^{MS}	397	576	68	30	68	0	2	1.085	0	0	3	0	0.3	4.5	3.0	2.5	2.6				mod netting, flat oval type, sl points		
	MSFF247-2Y ^{MSG}	394	469	84	13	84	0	3	1.070	0	0	0	0	2.0	3.5	2.5	3.5	2.0				round blocky type, misshapen pos, pink spl around eyes		
	Connect ^{MSG}	386	601	65	21	65	0	14	1.070	0	9	10	0	1.6	4.0	4.1	2.5	2.7				oval type, uniform, sl netting, buff skin		
	Yukon Gold ^{MSG}	383	425	90	4	89	1	6	1.078	8	0	8	1	2.1	3.5	2.3	1.8	1.8				sl flattened oval type, pink splash around eyes, pears in pos		
	W15240-2V ^{MSG}	381	501	75	23	75	0	2	1.060	0	0	4	0	1.6	3.8	2.7	2.8	2.7				sl netted skin, oval to oblong type		
	Nectar ^{MSG}	354	557	63	33	63	0	4	1.075	5	10	3	3	2.1	3.6	4.2	2.3	2.2				sl netted skin, oval to oblong type		
	MSV093-1V ^{MSM}	349	406	86	4	82	4	10	1.067	8	0	0	0	0.8	2.8	3.8	1.9	2.9				oval type, bright appearance, tr gc		
	Nixie ^{MSG}	349	527	66	28	66	0	6	1.073	0	0	0	0	2.3	3.4	3.2	3.5	3.8				bright, oval, sl netting, sl pears in pos		
	Melody ^{MSG}	344	458	74	20	74	0	6	1.067	3	0	3	0	1.1	3.3	3.6	3.4	2.7				oblong, netted skin, points		
	Allora ^{MSG}	339	438	75	15	73	2	10	1.066	0	0	0	0	1.1	3.2	2.2	3.7	2.9				round, uniform, sl gc, netted skin		
	Tacoma ^{MSG}	323	444	72	19	72	0	9	1.066	0	6	0	0	1.2	3.2	3.0	2.7	3.9				oval, attractive, sl ah, sl pears, bright		
	MSW038-4V ^{MSG}	320	418	74	21	74	0	5	1.069	0	0	0	3	1.5	3.6	3.4	2.1	3.0				smaller round type, sl netting, tr heat sprouts		
Constance ^{MSG}	298	455	66	29	66	0	5	1.065	0	0	5	0	1.5	3.8	2.6	3.0	3.3				oblong type, buff skin, nice appearance			
Maggie ^{MSG}	290	383	74	24	74	0	2	1.050	0	0	0	0	1.1	3.1	1.2	3.1	3.9				round, uniform, heavy netted skin, sl ah			
Queen Anne ^{MSG}	275	442	60	39	59	1	1	1.056	0	0	0	0	1.9	2.8	2.5	4.2	4.0				oval, sl netting			
MSZ268-1Y ^{MS}	247	268	92	6	92	0	2	1.071	0	20	0	0	0.2	1.8	4.7	3.2	1.7				sl netting, attractive shape			
MSFF069-1Y ^{MS}	211	223	94	6	94	0	0	1.066	0	0	0	0	1.0	2.0	2.0	2.0	2.0				uniform, oblong			
MSFF055-1Y ^{MS}	201	252	79	21	79	0	0	1.072	0	0	0	0	0.5	1.5	2.5	3.5	2.5				smaller type, netted skin, round			
Tessa ^{MS}	183	226	81	17	81	0	2	1.074	0	0	0	0	2.0	1.5	4.0	2.5	2.5				sl pigmentation in vascular ring			
Anouk ^{MS}	173	371	47	50	47	0	3	1.068	7	0	0	0	1.3	2.8	3.8	3.3	2.0				oblong to long tubers, misshapen pos			
Tokio ^{MS}	84	172	49	49	49	0	2	1.081	0	0	0	0	1.5	1.5	4.5	3.0	3.5				smooth oval type, bright appearance			
Lucera ^{MS}	66	503	13	79	13	0	8	1.067	0	0	0	0	1.0	3.0	2.5	3.0	3.5							
Mary Ann ^{MS}	54	118	46	50	46	0	4	1.071	0	0	0	0	2.0	1.0	4.5	4.0	2.5							
MEAN	320	443	72	23	72	0	5	1.068	1	3	2	0	1.4	3.1	3.0	3.1	2.8							
RED SKIN TYPE	Fenway Red ^{MSG}	505	605	83	13	83	0	4	1.072	0	3	3	0	1.1	4.2	2.9			3.0	2.7	3.4	2.9	bright appearance, round, sl netting	
	NDAF113484B-1 ^{MSG}	424	488	85	10	85	0	5	1.058	0	1	0	0	0.5	3.1	2.7			3.5	4.0	4.8	3.8	attractive skin color, uniform round type, severe silver scurf	
	MSW343-2R ^{MSG}	417	479	87	11	87	0	2	1.054	0	20	0	0	1.0	2.3	3.0			3.0	2.9	4.7	1.3	deep eyes, sl sticky stolons, poor appearance	
	NDA050237B-1R ^{MSG}	396	482	78	19	78	0	3	1.061	3	3	5	0	0.8	3.3	3.9			3.2	4.9	4.5	2.6	uniform oval type, sl sticky stolons, nice skin color	
	Roko ^{MSM}	389	562	69	21	69	0	10	1.070	0	0	28	0	1.0	3.4	4.0			3.4	1.8	4.4	2.0		
	ND1394-5RY ^{MS}	358	400	89	8	89	0	3	1.074	0	0	0	0	1.5	3.0	2.5			2.0	3.0	4.0	5.0	3.5	light yellow flesh
	Vicki ^{MSG}	349	490	72	20	72	0	8	1.067	0	0	0	0	0.6	3.1	3.3			2.6	1.8	4.1	2.2		
	Dark Red Norland ^{MSG}	342	421	80	16	80	0	4	1.059	0	0	0	0	0.8	3.6	1.7			3.3	3.1	1.8	4.3	oval type, inconsistent skin color and finish, mod scurf	
	MSFF225-04R ^{MS}	341	387	88	9	88	0	3	1.065	0	0	0	0	0.0	2.5	2.0			2.0	3.0	3.0	2.5		
	CO99076-6R ^{MSG}	335	391	85	10	85	0	5	1.070	0	3	1	0	2.1	2.9	2.3			4.4	5.0	4.6	2.2	uniform round type, nice skin color, sl gc	
	Norland RP ^{MSG}	322	391	78	19	76	2	3	1.061	0	4	0	0	0.6	3.4	1.8			3.0	4.2	3.6	3.2		
	MSZ427-3R ^{MS}	320	363	88	10	88	0	2	1.063	0	0	0	0	0.5	2.0	2.5			2.5	2.8	4.3	2.7	flattened round type	
	Ricarda ^{MS}	319	421	75	18	75	0	7	1.066	0	12	0	0	0.9	4.3	3.6			4.4	2.1	4.4	1.9		
	MSX324-2R ^{MSG}	307	392	78	15	78	0	7	1.072	0	3	3	3	0.9	3.3	2.5			3.7	3.5	3.8	3.4	sl ah, gc in pos, lighter skin color	
	AAC Red Viola ^{MS}	275	352	84	16	78	6	0	1.073	0	0	0	0	0.0	2.5	2.7			2.3	4.2	4.3	2.8	round to oval type, pear shapes, uniform, attractive	
	CO14105-1R ^{MS}	267	333	80	18	80	0	2	1.058	0	0	0	0	1.5	2.3	2.7			2.0	4.0	4.2	2.7	uniform skin color	
	Canadian Rose ^{MS}	263	300	88	6	88	0	6	1.068	0	40	0	0	1.0	1.5	3.0			2.5	4.5	5.0	3.0	round to oval type, attractive skin color	
	NDTX4784-7R ^{MS}	227	247	92	5	83	9	3	1.059	0	0	0	0	2.0	1.5	3.5			2.5	4.5	4.5	4.5	dark red skin color, sl ah, blocky	
	MSFF304-2R ^{MS}	224	314	71	27	71	0	2	1.077	0	0	0	0	1.0	2.0	3.0			3.5	1.0	5.0	1.0	lighter pink skin	
	CO15205-4R ^{MS}	222	289	77	14	77	0	9	1.074	0	0	0	0	2.0	2.0	2.5			5.0	4.5	5.0	4.5	attractive shape and skin color	
CO14074-1R ^{MS}	198	268	74	19	74	0	7	1.072	0	0	0	0	0.0	1.8	3.3			3.0	5.0	5.0	3.0	sl ah, points in pos		
ND1466CB-1R ^{MS}	196	239	82	11	82	0	7	1.072	0	0	0	0	1.5	1.5	2.5			4.0	5.0	4.5	1.5	sl gc		
CO15121-3R ^{MS}	126	167	76	20	76	0	4	1.071	0	30	0	0	1.0	1.5	1.5			3.5	5.0	4.0	3.0	pink pigmentation in vas ring, sl sticky stolons		
Blushing Belle ^{MS}	121	315	38	25	38	0	37	1.060	0	0	0	0	0.2	3.0	3.5			2.2	1.3	3.2	1.2	misshapen pos, bottlenecks, inconsistent skin color		
CO14040-3R ^{MS}	116	272	42	57	42	0	1	1.074	0	3	0	0	0.0	2.6	1.5			2.5	3.5	3.3	2.7	very small, unfirm, round, uniform		
CO14048-2R ^{MS}	88	137	64	31	64	0	5	1.062	0	0	0	0	2.0	1.5	2.5			4.5	4.5	4.0	0.5	attractive shape and skin finish		
MSFF138-04R ^{MS}	37	66	57	39	57	0	4	1.080	0	0	0	0	1.0	1.0	3.0			1.0	4.0	4.5	0.5			
ND13292B-3R ^{MS}	28	44	63	29	63	0	8	1.067																

		590	685	86	14	86	0	0	1.063	0	0	0	0	1.0	3.5	2.0	1.0	5.0	5.0	5.0	5.0	netted skin, less bright	
NOVELTY	MSV443-1PP ^a	443	525	84	15	84	0	1	1.070	0	0	0	0	1.0	2.5	2.5	4.5	5.0	4.5	3.5	3.5	mod ah, round type, sl deep apical eyes, lumps	
TYPE	MSV443-6P ^a	350	449	76	19	76	0	5	1.068	0	0	0	0	0.0	2.5	3.3	3.8	5.0	5.0	4.5	4.5	severe scurf, uniform round type	
	Blackberry ^{ad}	121	244	50	48	50	0	2	1.066	0	0	0	0	0.0	2.5	2.5	1.5	5.0	5.0	1.0	1.0	tr ah, sticky stolons, uniform skin, small uniform tubers	
	MSZ413-6P ^a																						
	MEAN	376	476	74	24	74	0	2	1.067	0	0	0	0	0.5	2.8	2.6	2.7	5.0	4.9	3.5	3.5		
	TRIAL MEAN	318	413	75	20	75	0	5	1.067	2	4	2	0	1.2	3.0	2.8	2.9	2.7	3.0	3.8	4.2	2.7	

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**

Data not replicated

³**RAW TUBER QUALITY**

(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: Variable
Rating 1-5
1: Slow emergence
5: Early emergence

⁶**VINE MATURITY RATING**

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

⁷**WAXINESS RATING**

1: Heavy netting, buff
5: Waxy, smooth

⁸**FLESH COLOR**

1: White
5: Dark yellow

2020 TABLESTOCK VARIETY TRIAL SITES

- ^aCrawford Farms, Montcalm County
- ^bHorkey Brothers, Monroe County
- ^cKitchen Farms Mini Bulk, Antrim County
- ^dKitchen Farms, Antrim County
- ^eVerbrigghe Potato Farms, Delta County
- ^fWalther Farms Early Generation Selection, Tuscola County
- ^gWalther Farms Replicated, Tuscola County
- ^hWalther Farms, Tuscola County

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

2020 Tablestock Potato Variety Trial

Crawford Farms

Planting: 6/4/20 Vine Kill: 9/10/20 Harvest: 10/15/20

GDD₄₀: 3169

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ⁴ (%)				COMMON SCAB		VINE VIGOR ⁷		VINE MATURITY ⁸		YELLOW FLESH		RED SKIN			COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	COMMON SCAB	VINE VIGOR ⁷	VINE MATURITY ⁸	WAXINESS ⁵	FLESH COLOR ⁶	WAXINESS ⁵	SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹		
YELLOW SKIN TYPE	MSZ615-2	454	513	88	9	88	0	3	1.064	30	10	0	0	1.0	2.5	3.0	1.0					flat round to oval type, sl knobbing	
	Connect	363	631	58	21	58	0	21	1.078	0	0	0	0	2.0	3.0	4.0	1.5	3.5				mod points and pears, flat oval type	
	Columba	349	425	82	13	82	0	5	1.056	0	0	0	0	0.5	2.0	1.5	4.0	3.0				pinkeye, misshapen, non uniform type, ah	
	Tyson	340	459	74	18	74	0	8	1.071	0	0	0	0	2.5	3.0	2.0	4.0	2.5				flat, round to oval	
	Yukon Gold	308	360	86	7	86	0	7	1.086	10	0	20	0	2.0	3.0	2.0	4.5	3.0					mod pink eyes, sl PVY
	Paroli	302	408	74	15	74	0	11	1.060	0	0	0	0	2.0	3.0	1.0	4.0	3.5					inconsistent shape
	Constance	301	490	62	29	62	0	9	1.071	0	0	0	0	0.5	3.0	2.5	3.5	4.0					flat, oval, nice appearance, sl ah,
	MSV093-1Y	264	314	84	5	84	0	11	1.076	10	0	0	0	0.0	1.0	3.5	3.0	3.5					large blocky type, deeper apical eyes, sl stem end points
	Tacoma	256	418	61	25	61	0	14	1.065	0	0	0	0	1.0	2.5	3.0	3.0	4.5					oblong, flat, stem end points
	Nixie	225	382	59	40	59	0	1	1.071	0	0	0	0	2.0	2.5	2.0	3.0	3.5					larger and more oval than Queen Anne
Queen Anne	222	414	54	44	54	0	2	1.063	0	0	0	0	1.0	2.0	2.0	4.5	4.5					oblong type, nice appearance, uniform, sl greening	
Melody	220	368	60	32	60	0	8	1.070	10	0	0	0	0.5	2.5	2.5	4.0	3.5					flat oval, decent appearance, flecking, mod gc	
Golden Globe	219	431	51	38	51	0	11	1.064	0	0	0	0	0.0	2.5	1.5	4.5	3.0					sig pears, stem end points, smooth appearance, oval shape	
Nectar	207	429	48	47	48	0	5	1.080	20	0	0	0	1.0	3.0	3.5	2.5	2.0					flat, points on stem end, pink around eyes	
Allora	186	338	55	24	55	0	21	1.073	0	0	0	0	0.0	2.0	2.5	4.0	4.0					bright, mod pears and points, nice skin finish	
Maggie	160	246	65	31	65	0	4	1.055	0	0	0	0	1.5	2.0	1.5	4.0	4.0					inconsistent type	
MSW038-4Y	127	243	52	41	52	0	7	1.071	0	0	0	0	0.5	2.5	2.5	1.0	3.5					round, netted, uniform, sl sticky stolons, gc in pos	
Lucera	66	503	13	79	13	0	8	1.067	0	0	0	0	1.0	3.0	2.5	3.0	3.5					oblong to long tubers, misshapen pos	
MEAN	254	410	63	29	63	0	9	1.069	4	1	1	0	1.1	2.5	2.4	3.3	3.5						
RED SKIN TYPE	Fenway Red	418	565	74	17	73	1	9	1.074	0	0	0	0	0.0	3.0	2.5		4.0	1.5	4.5	4.5	bright appearance, misshapen pos, med red skin color	
	MSW343-2R	318	413	77	20	77	0	3	1.054	0	0	0	0	2.0	2.0	3.0		1.5	3.0	4.5	1.5	lighter color, uniformly deep eyes	
	Vicky	302	482	63	17	63	0	20	1.066	0	0	0	0	1.0	2.0	3.0		3.0	1.0	5.0	1.5	light pink Pontiac color, nice skin finish	
	Roko	272	470	58	31	58	0	11	1.070	0	0	0	0	0.0	2.5	2.5		4.5	1.5	5.0	0.5	oval, like Vicky, light red to pink	
	MSX324-2R	240	319	75	21	75	0	4	1.076	0	0	0	0	2.0	2.0	2.5		3.5	2.5	4.5	4.0	severe silver scurf, poor appearance, marginal type	
	NDAF113484B-1	236	330	71	23	71	0	6	1.063	0	0	0	0	0.5	2.0	2.5		4.5	4.5	4.5	3.0	nicer skin color, inconsistent type	
	Dark Red Norland	212	342	62	31	62	0	7	1.064	0	0	0	0	1.0	3.0	1.5		3.5	4.5	1.0	4.5	4.5	inconsistent skin finish and type, 50% incidence silver scurf
CO9076-6R	190	251	76	15	76	0	9	1.073	0	0	0	0	2.5	1.5	2.5		5.0	5.0	4.5	1.0	sl gc, nice smooth appearance		
NDAO50237B-1R	126	259	48	48	48	0	4	1.065	0	0	0	0	0.0	2.0	4.0		2.5	5.0	5.0	0.5	sticky stolons, small uniform round type, excellent color		
Norland RP	100	204	49	44	49	0	7	1.066	0	0	0	0	0.0	3.0			4.0	4.0	3.0	3.5	inconsistent type, sig scurf, misshapen pos		
MEAN	241	364	65	27	65	0	8	1.067	0	0	0	0	0.9	2.3	2.7			3.6	3.3	4.2	2.5		
ROUND WHITE TYPE	HZC 07-1356	292	434	67	27	67	0	6	1.067	0	0	10	0	0.5	1.5	2.0	3.0					flat, round to oval, mod bright appearance	
	MSCC302-1	267	372	72	25	72	0	3	1.083	0	0	0	0	0.5	2.0	2.5	2.0					flat round type, mod BSB	
	Audrey	243	458	53	18	53	0	29	1.065	0	0	0	0	0.0	2.0	2.0	4.5					flat oval, lots of pears and points, bright but poor shape	
	MSAA174-1	184	254	73	15	73	0	12	1.058	0	0	0	0	0.5	2.0	2.5	3.0					sl ah, nice bright appearance, oval type	
	Envol	159	299	53	31	53	0	16	1.071	0	0	0	0	2.0	3.0	1.0	4.0					flat, round knobby	
MEAN	218	363	61	30	60	0	9	1.068	1	0	1	0	0.8	2.3	2.5	3.1							
NOVELTY TYPE	MSV443-6P	443	525	84	15	84	0	1	1.070	0	0	0	0	1.0	2.5	2.5		4.5	5.0	4.5	3.5	mod ah, round type, sl deep apical eyes, lumps	
	Blackberry	222	330	67	25	67	0	8	1.072	0	0	0	0	0.0	1.5	3.0		5.0	5.0	5.0	4.0	sig scurf, uniform round type	
	MSZ413-6P	121	244	50	48	50	0	2	1.066	0	0	0	0	0.0	2.5	2.5		1.5	5.0	5.0	1.0	tr ah, sticky stolons, uniform skin, small uniform tubers	
MEAN	262	366	67	29	67	0	4	1.069	0	0	0	0	0.3	2.2	2.7			3.7	5.0	4.8	2.8		
TRIAL MEAN	237	379	62	29	62	0	9	1.068	2	0	1	0	0.9	2.4	2.5			3.2	3.5	3.6	3.5	4.2	2.5

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**
Data not replicated

³**RAW TUBER QUALITY**
(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: 6/12/20
Rating 1-5
1: Slow emergence
5: Early emergence

⁶**VINE MATURITY RATING**
Date: 8/10/20
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

FIELD DATA
Planting Date: 6/4/20
Vine Kill Date: 9/10/20
Harvest Date: 10/15/20
Days (planting to vine kill): 98
Days (planting to harvest): 133
GDD₄₀ MAWN Station: Etrican
GDD₄₀ (planting to vine kill): 3169
Seed Spacing: 10"

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

⁸**FLESH COLOR**
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

2020 Tablestock Potato Variety Trial

Horkey Brothers

Planting: 4/26/20 Vine Kill: 8/20/20 Harvest: 9/17/20

GDD₄₀: 3229

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ⁴ (%)				COMMON SCAB RATING ⁵	VINE VIGOR ⁷	VINE MATURITY ⁸	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	
Queen Anne	547	747	73	27	73	0	0	1.056	0	0	0	0	2.0	3.5	2.5	3.5	4.0				oblong, buff skin		
Columba	535	627	86	9	85	1	5	1.049	0	0	0	0	1.5	4.5	1.5	3.0	3.5				tr heat sprouts, oval, non uniform type		
Golden Globe	483	633	76	18	76	0	6	1.053	0	10	0	0	1.5	4.5	2.5	4.5	2.5				pear shapes, non uniform, mod bright appearance		
Nectar	477	690	69	27	69	0	4	1.070	0	40	10	0	2.5	4.0	4.5	3.0	2.0				bright appearance, pink eyes		
Melody	461	590	78	19	78	0	3	1.062	0	0	10	0	1.5	4.5	3.5	3.5	2.5				oval type, bright appearance		
MSZ615-2	450	495	91	6	91	0	3	1.065	0	10	20	0	2.0	3.5	2.5	1.0	3.0				flat round type, netted skin		
CO11250-1W/Y	442	638	69	29	69	0	2	1.080	0	0	10	0	0.5	4.5	3.5	3.5					prominent pink splash around eyes, netted buff skin type		
Jennifer	401	564	71	22	71	0	7	1.060	0	0	10	0	3.5	3.5	2.5	4.5	1.0				bright, oblong to long type		
Constance	390	541	72	25	72	0	3	1.054	0	0	20	0	2.5	4.0	3.0	2.5	3.0				tr pink eye disorder, flattened, and some pear shapes		
Yukon Gold	382	429	89	8	89	0	3	1.065	0	0	10	0	2.0	4.0	1.5	2.5	2.5				pink eyes, severe pink eye disorder or virus lesions		
Paroli	376	476	79	12	79	0	9	1.050	0	0	0	0	0.5	4.0	1.0	4.5	3.5				bright, oblong, non uniform type, gc and misshapen pos		
MSW038-4Y	374	495	76	22	76	0	2	1.063	0	0	0	10	2.5	4.5	3.0	3.0	3.5				uniform round type, sl netted skin, misshapen pos		
Connect	357	518	69	16	69	0	15	1.058	0	30	40	0	2.5	4.0	4.0	2.5	2.5				round type, points on stolon ends, sl pink eye disorder, tr rot		
W15240-2Y	353	476	74	23	74	0	3	1.054	0	0	0	0	1.0	3.5	3.0	4.0	3.0				oval type, buff skin color		
Nixie	344	612	56	32	56	0	12	1.064	0	0	0	0	3.0	3.5	3.0	4.5	3.5				sig heat sprouting		
Tyson	313	408	77	16	77	0	7	1.063	0	0	20	0	0.5	4.0	1.5	4.5	2.5				bright appearance, uniform, round, tr sheep nose		
Maggie	289	409	71	28	71	0	1	1.042	0	0	0	0	1.0	3.5	1.0	3.0	3.5				heat sprouts, uniform, smaller round type		
Allora	275	379	72	19	72	0	9	1.055	0	0	0	0	2.0	4.0	1.5	4.0	2.5				oval type, bright appearance, points and pears in pos		
MSV093-1Y	249	334	75	6	64	11	19	1.053	0	0	0	0	1.5	3.0	4.0	2.0	3.0				large round type, light netted skin, knobs in pos		
MEAN	395	529	75	19	74	1	6	1.059	0	5	8	1	1.8	3.9	2.6	3.3	2.9						
Fenway Red	643	740	87	11	87	0	2	1.065	0	0	0	0	3.0	5.0	2.5			1.0	4.0	2.5	0.0	round type, misshapen pos, non uniform skin color, sl netting	
NDA050237B-1R	510	595	86	11	86	0	3	1.059	0	10	0	0	1.5	4.5	2.5			4.5	5.0	4.0	3.0	gc in pos	
MSW343-2R	462	516	90	8	90	0	2	1.047	0	10	0	0	1.0	2.5	3.5			4.0	3.0	3.0	1.0	deep eyes, poor appearance	
Roko	437	640	68	14	68	0	18	1.065	0	0	90	0	2.0	3.5	4.5			3.5	2.0	2.5	3.0	oblong, non uniform type, misshapen pos	
NDAF113484B-1	424	504	84	11	84	0	5	1.051	0	0	0	0	0.5	4.0	2.0			4.0	4.5	5.0	4.5	niche color, uniform round type, severe silver scurf	
Vicki	409	525	78	18	78	0	4	1.061	0	0	0	0	0.5	3.5	4.0			3.5	2.0	4.0	1.0	pink skin, uniform round to oval type	
MSX324-2R	363	455	80	16	80	0	4	1.064	0	0	0	0	0.0	4.0	2.0			5.0	4.0	4.5	1.0	pink skin, gc in pos, round to oval type, tr ah	
Dark Red Norland	360	440	82	12	82	0	6	1.051	0	0	0	0	1.0	4.0	1.5			3.0	3.0	1.5	4.0	non uniform skin color, gc in pos	
CO99076-6R	324	381	85	10	85	0	5	1.061	0	0	0	0	3.5	3.5	1.5			4.5	5.0	4.0	1.5	attractive dark skin, round to oval, uniform	
Norland RP	242	323	75	24	75	0	1	1.052	0	10	0	0	0.5	3.5	1.5			4.0	4.5	2.5	4.0	small oval type	
MEAN	417	512	82	14	82	0	5	1.058	0	3	9	0	1.4	3.8	2.6			3.7	3.7	3.4	2.3		
MSAA120-1	599	634	95	5	91	4	0	1.060	0	0	0	0	3.0	3.0	4.5							large blocky type, marginal appearance	
Reba	590	614	96	3	94	2	1	1.062	0	20	10	0	2.5	4.0	3.0							large blocky type	
MSCC302-1	503	625	81	19	81	0	0	1.071	0	0	0	0	1.0	4.0	3.5							uniform round type, bright appearance	
HZC07-1356	454	542	84	14	84	0	2	1.060	0	0	0	0	3.0	4.0	1.5							nice bright appearance, round, uniform	
Audrey	433	495	87	11	87	0	2	1.052	0	0	10	0	3.0	4.0	2.0							oblong type	
Algonquin	430	514	84	11	84	0	5	1.066	0	0	10	0	2.0	4.5	2.5							non uniform type, misshapen pos	
MSCC300-1	412	510	81	17	81	0	2	1.067	0	10	0	0	1.5	2.5	4.5							flat, round type, bright appearance	
Superior	377	453	83	10	83	0	7	1.064	0	20	0	0	0.5	4.5	1.0							netted round type, misshapen pos	
MSBB351-1	371	431	86	5	85	1	9	1.047	0	0	0	0	1.0	3.5	2.5							pink eyes, netted skin, sheep nose in pos	
Envol	297	327	91	9	91	0	0	1.053	0	0	0	0	3.0	4.5	1.0							severe pink eye or PVY, flat blocky type	
MEAN	447	515	87	10	86	1	3	1.060	0	5	3	0	2.1	3.9	2.6								
TRIAL MEAN	414	521	80	15	79	0	5	1.059	0	4	7	0	1.7	3.9	2.6			3.1	2.9	3.7	3.7	3.4	2.3

¹SIZE

Non-sizet tablestock
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: 6/12/20
Rating 1-5
1: Slow emergence
5: Early emergence

⁶VINE MATURITY RATING

Date: 8/10/20
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date 4/26/20
Vine Kill Date 8/20/20
Harvest Date 9/17/20
Days (planting to vine kill) 116
Days (planting to harvest) 144
GDD₄₀ MAWN Station Deerfield/Blissfield
GDD₄₀ (planting to vine kill) 3229
Seed Spacing 10"

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

2020 Mini Bulk Tablestock Potato Variety Trial

Kitchen Farms

Planting: 5/16/20 Vine Kill: 8/27/20 Harvest: 10/16/20

GDD₄₀: 2731

LINE	US#1	TOTAL	PERCENT OF TOTAL ¹				RAW TUBER QUALITY ⁴ (%)						YELLOW FLESH			RED SKIN			COMMENTS				
			US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	COMMON SCAB RATING ⁵	VINE VIGOR ⁷	VINE MATURITY ⁸	WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷		SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹	
YELLOW SKIN TYPE	Columba	817	889	92	8	92	0	0	1.055	0	0	0	0	0.5	5.0	1.5	4.5	2.0					tr ah, very blocky, bright
	Tyson	650	679	96	4	96	0	0	1.079	0	10	20	0	0.5	4.5	3.5	2.0	1.5					blocky, oval, sl netting
	Golden Globe	645	739	87	11	87	0	2	1.065	10	0	0	0	1.0	4.5	2.0	4.0	1.5					attractive, uniform
	Paroli	627	733	86	5	86	0	9	1.058	0	0	0	0	1.0	5.0	1.5	3.5	2.5					blocky, oval, tr points, gc
	Maggie	553	650	85	12	85	0	3	1.049	0	0	0	0	1.5	4.0	1.0	1.5	4.5					oval, sl netted, marginal appearance
	Allora	527	635	83	13	83	0	4	1.065	0	0	0	0	0.5	4.0	2.0	5.0	2.5					severe silver scurf
Nectar	426	668	64	33	64	0	3	1.074	0	0	0	10	3.0	4.5	4.0	1.5	3.5					pear shapes, pink pigmentation around eyes	
	Constance	269	465	58	37	58	0	5	1.067	0	0	0	0	2.0	4.5	2.0	3.0	3.5					oval, bright, mod powdery scab
	MEAN	564	682	81	15	81	0	3	1.064	1	1	3	1	1.3	4.5	2.2	3.1	2.7					
RED SKIN TYPE	Fenway Red	584	661	88	10	88	0	2	1.077	0	10	10	0	1.0	5.0	2.5		3.0	2.5	4.5	5.0		round to oval, points, lighter skin color
	CO99076-6R	520	586	89	8	89	0	3	1.074	0	10	0	0	2.0	3.5	3.0		3.5	5.0	5.0	5.0		severe silver scurf
	Vicki	412	590	70	28	70	0	2	1.071	0	0	0	0	0.5	4.0	2.0		1.0	2.0	5.0	5.0		oblong to long, rough, mod ah
	MEAN	505	612	82	15	82	0	2	1.074	0	7	3	0	1.2	4.2	2.5		2.5	3.2	4.8	5.0		
ROUND WHITE TYPE	Audrey	579	658	88	8	88	0	4	1.066	0	10	0	0	0.5	4.5	2.0	3.5						points, pears in pos
	HZC07-1356	552	675	82	17	82	0	1	1.068	0	40	0	0	2.0	4.0	2.0	2.5						powdery scab, bright appearance
	Envol	287	376	76	17	76	0	7	1.066	0	0	0	0	2.0	5.0	1.0	3.0						netting, pits, sl gc
	MEAN	473	570	82	14	82	0	4	1.067	0	17	0	0	1.5	4.5	1.7	3.0						
TRIAL MEAN		532	643	82	15	82	0	3	1.067	1	6	2	1	1.3	4.4	2.1	3.1	2.7	2.5	3.2	4.8	5.0	

¹SIZE

Non-russet tablestock
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
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⁵VINE VIGOR RATING

Date: 6/26/20
Rating 1-5
1: Slow emergence
5: Early emergence

⁶VINE MATURITY RATING

Date: 8/21/20
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date 5/16/20
Vine Kill Date 8/27/20
Harvest Date 10/16/20
Days (planting to vine kill) 104
Days (planting to harvest) 153
GDD₄₀ MAWN Station Gaylord
GDD₄₀ (planting to vine kill) 2731
Seed Spacing 10"

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

2020 Tablestock Potato Variety Trial

Kitchen Farms

Planting: 5/16/20 Vine Kill: 8/27/20 Harvest: 10/16/20

GDD₄₀: 2731

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ⁴ (%)				YELLOW FLESH		RED SKIN			COMMENTS							
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	COMMON SCAB RATINGS ⁵	VINE VIGOR ⁷	VINE MATURITY ⁸		WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷	SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹	
YELLOW SKIN TYPE	MSV093-1Y	596	672	89	3	85	4	8	1.068	20	0	0	0	0.5	3.5	3.5	1.0	2.5				large, blocky, netted skin, deep eyes, marginal appearance	
	Connect	577	890	65	22	65	0	13	1.072	0	0	0	0	1.0	5.0	4.0	2.0	2.5				pears, points, netting	
	MSZ615-2	559	595	94	5	94	0	1	1.065	0	0	0	0	1.0	4.5	2.5	3.5	2.0				flat oval, less bright, netted	
	Yukon Gold	558	585	96	1	94	2	3	1.085	20	0	0	0	2.0	4.0	2.5	1.5	3.0				powdery scab	
	W15240-2Y	522	652	80	18	80	0	2	1.058	0	0	10	0	2.5	4.5	2.5	2.0	3.0				uniform, oval, sl netted, less bright	
	CO11250-1W/Y	514	715	72	26	72	0	2	1.089	0	0	0	0	0.5	5.0	2.5	1.5	3.0				netted, oblong, pink pigmentation around eyes	
	Cascada	469	813	58	38	58	0	4	1.074	0	0	0	0	2.5	4.5	4.0	4.5	5.0				oval to oblong, bright, sl netted	
	Nixie	464	706	66	31	66	0	3	1.078	0	0	0	0	3.0	4.0	3.5	4.0	5.0				oval to oblong type	
MSW038-4Y	458	543	84	12	84	0	4	1.072	0	0	0	0	2.0	4.5	3.5	1.0	2.5						
Tacoma	419	510	82	13	82	0	5	1.063	0	10	1	1	1.0	3.5	2.0	2.0	4.0				oval, oblong, netted		
MSCC515-2Y	416	463	90	8	90	0	2	1.070	0	30	0	0	1.0	3.0	3.0	1.5	2.5				netted, shallow eyes		
Queen Anne	74	332	22	77	22	0	1	1.044	0	0	0	0	2.5	3.5	3.0	4.0	3.5				attractive appearance, mod scab		
	MEAN	469	623	75	21	74	1	4	1.070	3	3	1	0	1.6	4.1	3.0	2.4	3.2					
RED SKIN TYPE	NDA050237B-1R	630	717	88	9	88	0	3	1.060	10	0	20	0	1.5	4.0	4.5			4.0	5.0	4.5	4.5	scurf, otherwise nice, oval, uniform
	NDAF113484B-1	624	664	94	4	94	0	2	1.053	0	0	0	0	1.0	3.5	3.0			3.0	5.0	5.0	4.5	uniform type, severe scurf, skinning, rough appearance
	MSW343-2R	544	612	89	10	89	0	1	1.054	0	70	0	0	0.5	3.0	2.5			4.0	3.5	3.5	1.0	deep eyes, sticky stolons, lumpy
	Roko	476	685	69	21	69	0	10	1.073	0	0	0	0	1.0	4.0	4.0			2.5	2.5	5.0	3.5	oblong, light red, netting
	Norland RP	464	510	91	8	91	0	1	1.056	0	10	0	0	2.0	4.5	1.5			2.5	4.5	4.0	5.0	severe scurf, variable red skin
	Dark Red Norland	447	509	88	11	88	0	1	1.058	0	0	0	0	1.0	4.0	1.5			3.5	2.0	1.5	5.0	scurf, poor appearance
MSX324-2R	414	505	82	15	82	0	3	1.074	0	10	10	10	1.5	4.0	3.0			4.5	4.0	4.0	5.0	scurf, shallow eyes, skin peeling	
Ricarda	404	510	79	14	79	0	7	1.064	0	20	0	0	1.5	4.5	3.0			4.5	3.0	5.0	1.5	variable type, light pink skin, deep eyes	
	MEAN	500	589	85	12	85	0	4	1.062	1	14	4	1	1.3	3.9	2.9			3.6	3.7	4.1	3.8	
ROUND WHITE TYPE	Reba	657	697	94	6	94	0	0	1.075	20	0	0	0	2.0	4.0	2.5	1.5						
	MSCC302-1	604	656	92	8	92	0	0	1.081	40	0	0	0	1.0	4.0	3.0	3.0						bright, oval, uniform
	Algonquin	546	653	84	7	84	0	9	1.080	0	0	20	0	1.5	4.5	2.0	1.5						blocky, oval, inconsistent shape
	MSAA174-1	471	526	89	9	89	0	2	1.064	0	30	20	10	1.5	3.5	3.0	4.5						bright
	Superior	453	588	77	16	77	0	7	1.073	0	20	0	0	0.5	5.0	1.5	1.5						netted
	NDAF102629C-4	452	506	89	10	89	0	1	1.074	0	10	0	0	2.0	5.0	2.5	1.0						netting, patches of ah, misshapen
	MSBB351-1	436	468	93	6	93	0	1	1.057	20	0	0	0	0.5	2.5	3.5	2.5						points, blocky, round to oval, bright
MSCC300-1	433	576	75	8	74	1	17	1.070	80	0	0	0	2.5	3.5	4.0	3.0						flat, blocky, gc	
MSAA120-1	430	476	90	7	90	0	3	1.068	50	0	0	0	2.5	3.0	3.5	1.0						oval, blocky, fairly netted, poor appearance	
MSAA196-1	369	473	78	15	78	0	7	1.067	0	0	0	0	0.5	2.5	3.5	4.5						flat, oval, bright skin, tr gc	
	MEAN	485	562	86	9	86	0	5	1.071	21	6	4	1	1.5	3.8	3	2.4						
NOVELTY TYPE	MSV443-1PP	590	685	86	14	86	0	0	1.063	0	0	0	0	1.0	3.5	2.0			1.0	5.0	5.0	5.0	netted skin, less bright
	Blackberry	478	569	84	14	84	0	2	1.064	0	0	0	0	0.0	3.5	3.5			2.5	5.0	5.0	5.0	severe scurf
	MEAN	534	627	85	14	85	0	1	1.064	0	0	0	0	0.5	3.5	2.8			1.8	5.0	5.0	5.0	
	TRIAL MEAN	486	596	82	15	81	0	4	1.068	8	7	3	1	1.4	3.9	2.9	2.4	3.2	3.2	4.0	4.3	4.0	

¹SIZE
Non-russet tablestock
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: 6/26/20
Rating 1-5
1: Slow emergence
5: Early emergence

⁶VINE MATURITY RATING
Date: 8/21/20
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

⁷FIELD DATA
Planting Date 5/16/20
Vine Kill Date 8/27/20
Harvest Date 10/16/20
Days (planting to vine kill) 104
Days (planting to harvest) 153
GDD₄₀ MAWN Station 2731
GDD₄₀ (planting to vine kill) 2731
Seed Spacing 10"

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

2020 Tablestock Potato Variety Trial

Verbrigghe Potato Farms

Planting: 5/29/20 Vine Kill: //20 Harvest: 10/9/20

GDD₄₀:

LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ⁴ (%)					VINE VIGOR ⁴	YELLOW FLESH		RED SKIN			COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC		WAXINESS ⁵	FLESH COLOR ⁶	WAXINESS ⁵	SKIN COLOR ⁷	UNIFORMITY ⁸		SILVER SCURF ⁹
YELLOW SKIN TYPE	Nixie	470	516	91	8	90	1	1	1.081	0	0	0	0	4.0	4.0					
	Golden Globe	426	484	88	8	88	0	4	1.066	0	10	10	0	4.0	2.0					
	Allora	398	480	83	5	71	12	12	1.071	0	0	0	0	3.0	4.0					
	Queen Anne	305	331	92	8	86	6	0		0	0	0	0	2.5	5.0					
	Maggie	238	290	82	17	82	0	1		0	0	0	0	3.0	4.0					
	MEAN	367	420	87	9	83	4	4	1.073	0	2	2	0	3.3	3.8					
RED SKIN	Norland RP	457	525	87	10	78	9	3	1.069	0	0	0	0	3.0		2.0	4.0	5.0	0.0	skinning
	MEAN	457	525	87	10	78	9	3	1.069	0	0	0	0	3.0		2.0	4.0	5.0	0.0	
WHITE	Envol	357	368	97	1	66	31	2	1.075	0	0	0	0	4.5						
	MEAN	357	368	97	1	66	31	2	1.075	0	0	0	0	4.5						
TRIAL MEAN		379	428	89	8	80	8	3	1.072	0	1	1	0	3.4	3.8	3.7	2.0	4.0	5.0	0.0

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**

Data not replicated

³**RAW TUBER QUALITY**

(percent of tubers out of 10)

HH: Hollow Heart

VD: Vascular Discoloration

IBS: Internal Brown Spot

BC: Brown Center

⁴**VINE VIGOR RATING**

Date: 6/12/20

Rating 1-5

1: Slow emergence

5: Early emergence

⁵**WAXINESS RATING**

1: Heavy netting, buff

5: Waxy, smooth

⁸**UNIFORMITY OF SKIN COLOR**

1: Highly variable, non-uniform

5: Highly uniform, color throughout

⁶**FLESH COLOR**

1: White

5: Dark yellow

⁷**SKIN COLOR**

1: Light pink

5: Dark red

⁹**SILVER SCURF**

0: No incidence of silver scurf

5: High incidence of silver scurf

FIELD DATA

Planting Date

Vine Kill Date

Harvest Date

Days (planting to vine kill)

Days (planting to harvest)

GDD₄₀ MAWN Station

GDD₄₀ (planting to vine kill)

Seed Spacing

5/29/20

10/9/20

134

Escanaba

10"

2020 Tablestock Potato Variety Trial Walther Farms Early Generation Selection

Planting: 5/6/20 Vine Kill: 8/24/20 Harvest: 9/15/20
GDD₄₀: 3086

LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ⁴ (%)					YELLOW FLESH			RED SKIN			COMMENTS				
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	COMMON SCAB RATING ⁵	VINE VIGOR ⁷	VINE MATURITY ⁸	WAXINESS ⁷	FLESH COLOR ⁹	WAXINESS ⁷		SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹	
YELLOW SKIN TYPE	MSFF247-2Y	394	469	84	13	84	0	3	1.070	0	0	0	0	2.0	3.5	2.5	3.5	2.0				bright skin finish	
	MSFF069-1Y	211	223	94	6	94	0	0	1.066	0	0	0	0	1.0	2.0	2.0	2.0	2.0				oval, sl netting	
	MSFF055-1Y	201	252	79	21	79	0	0	1.072	0	0	0	0	0.5	1.5	2.5	3.5	2.5				sl netting, attractive shape	
	Tessa	183	226	81	17	81	0	2	1.074	0	0	0	0	2.0	1.5	4.0	2.5	2.5				uniform, oblong	
	Tokio	84	172	49	49	49	0	2	1.081	0	0	0	0	1.5	1.5	4.5	3.0	3.5				sl pigmentation in vascular ring	
	Mary Ann	54	118	46	50	46	0	4	1.071	0	0	0	0	2.0	1.0	4.5	4.0	2.5				smooth oval type, bright appearance	
	MEAN	188	243	72	26	72	0	2	1.072	0	0	0	0	1.5	1.8	3.3	3.1	2.5					
RED SKIN TYPE	ND1394-5RY	358	400	89	7	89	0	3	1.074	0	0	0	0	1.5	3.0	2.5		2.0	3.0	4.0	5.0	3.5	light yellow flesh
	MSFF225-04R	341	387	88	9	88	0	3	1.065					0.0	2.5	2.0		2.0	3.0	3.0	2.5		
	MSFF304-2R	224	314	71	27	71	0	2	1.077	0	0	0	0	1.0	2.0	3.0		3.5	1.0	5.0	1.0	1.0	lighter pink skin
	CO15205-4R	222	289	77	14	77	0	9	1.074	0	0	0	0	2.0	1.0	2.5		5.0	4.5	5.0	4.5	4.5	attractive shape and skin color
	ND1466CB-1R	196	239	82	11	82	0	7	1.072	0	0	0	0	1.5	1.5	2.5		4.0	5.0	4.5	1.5	1.5	sl gc
	CO15121-3R	126	167	76	21	76	0	4	1.071	0	30	0	0	1.0	1.5	1.5		3.5	5.0	4.0	3.0	3.0	pink pigmentation in vasc ring, sl sticky stolons
	CO14048-2R	88	137	64	31	64	0	5	1.062	0	0	0	0	2.0	1.5	2.5		4.5	4.5	4.0	0.5	0.5	attractive shape and skin finish
	MSFF138-04R	37	66	57	39	57	0	4	1.080					1.0	1.0	3.0		1.0	4.0	4.5	4.5	0.5	
ND13292B-3R	28	44	63	29	63	0	8	1.067					0.0	1.0	2.0		4.0	4.5	3.0	2.5	2.5		
ND1466CB-2	14	31	46	42	46	0	11	1.063					0.0	2.0	1.0		2.5	3.5	3.0	4.5	4.5	attractive color and type	
	MEAN	163	207	71	23	71	0	6	1.070	0	5	0	0	1.0	1.7	2.3		2.0	3.3	3.9	4.1	2.4	
TRIAL MEAN	173	221	72	24	72	0	4	1.071	0	3	0	0	0	1.2	1.8	2.7		3.1	2.4	3.3	3.9	4.1	2.4

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**

Data not replicated

³**RAW TUBER QUALITY**

(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: 6/15/20
Rating 1-5
1: Slow emergence
5: Early emergence

⁶**VINE MATURITY RATING**

Date: 8/13/20
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date 5/6/2020
Vine Kill Date 8/24/2020
Harvest Date 9/15/2020
Days (planting to vine kill) 110
Days (planting to harvest) 132
GDD₄₀ MAWN Station 3086
GDD₄₀ (planting to vine kill) 3086
Seed Spacing 10"

⁷**WAXINESS RATING**

1: Heavy netting, buff
5: Waxy, smooth

⁸**FLESH COLOR**

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

2020 Replicated Tablestock Potato Variety Trial

Walther Farms Cass City

Planting: 5/6/20 Vine Kill: 8/24/20 Harvest: 9/15/20

GDD₄₀: 3086

LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ⁴ (%)					YELLOW FLESH			RED SKIN			COMMENTS			
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	COMMON SCAB RATING ⁵	VINE VIGOR ⁷	VINE MATURITY ⁸	WAXINESS ²	FLESH COLOR ⁶	WAXINESS ⁷		SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹
YELLOW SKIN TYPE	Columba	376	465	81	14	81	0	5	1.056	0	3	0	0	0.7	3.7	1.7	2.8	1.8				sl netting, heat sprouting, point in pos, attractive
	Melody	350	417	84	10	84	0	6	1.070	0	0	0	0	1.2	2.8	4.7	2.7	2.2				oval type, misshapen pos
	Paroli	342	398	86	7	86	0	7	1.061	0	7	0	0	0.8	3.8	1.2	2.5	3.8				oval type, pears and point in pos
	Golden Globe	327	424	77	16	77	0	7	1.065	0	0	0	0	1.5	3.7	3.0	3.5	2.0				round, sl netting, knobs in pos, blocky
	MSW038-4Y	320	392	82	13	82	0	5	1.071	0	0	0	0	1.0	3.0	4.7	3.2	2.3				round, uniform, gc in pos
	Tyson	314	363	87	7	87	0	6	1.072	0	0	0	0	0.8	3.7	4.0	2.8	2.0				sl netted skin, gc in pos, round type
	Allora	306	357	86	11	86	0	3	1.068	0	0	0	0	1.8	3.0	2.8	1.7	2.5				oval to oblong type, sl skin netting,
	Nectar	304	441	69	27	69	0	4	1.074	0	0	0	0	1.7	2.8	4.7	2.3	1.3				flat oval type, pink eyes, pears in pos
	Tacoma	295	404	73	18	73	0	9	1.070	0	7	0	0	1.5	3.5	4.0	3.2	3.3				non uniform type, pears in pos
	Yukon Gold	285	325	88	3	86	2	9	1.077	0	0	0	3	2.2	2.8	3.2	2.2	1.8				round blocky type, misshapen tubers
	W15240-2Y	269	374	72	27	72	0	1	1.068	0	0	3	0	1.3	3.3	2.7	3.3	2.0				buff skin, small type, round to oval type
	Connect	247	367	67	27	67	0	6	1.071	0	7	0	0	0.8	3.8	4.3	3.8	2.3				sl flattened type, mod netting, round
	MSZ268-1Y	247	268	92	6	92	0	2	1.071	0	20	0	0	0.2	1.8	4.7	3.2	1.7				round, uniform, heavy netted skin, sl ah
	Nixie	240	418	58	30	58	0	12	1.073	0	0	0	0	1.0	3.2	4.3	2.5	3.2				non uniform type, sl netted skin, bottlenecks
CO11250-1W/Y	233	375	62	37	62	0	1	1.086	0	0	0	0	0.0	4.0	3.0	2.5	2.2				oval type, mod netting, pink spl on eyes, eyebrows	
Constance	230	322	71	26	71	0	3	1.067	0	0	0	0	1.0	3.5	2.7	2.8	2.7				buff skin, sl bottlenecking, oval	
Queen Anne	228	385	59	40	59	0	1	1.059	0	0	0	0	2.0	2.5	2.3	4.8	4.0				oblong type, buff skin	
Maggie	212	322	66	33	66	0	1	1.052	0	0	0	0	0.2	2.8	1.2	4.0	3.5				small, uniform, round, buff skin	
Anouk	173	371	47	50	47	0	3	1.068	7	0	0	0	1.3	2.8	3.8	3.3	2.0				smaller type, netted skin, round	
	MEAN	279	378	74	21	74	0	5	1.068	0	2	0	0	1.1	3.2	3.3	3.0	2.5				
RED SKIN TYPE	NDAF113484B-1	411	452	91	4	91	0	5	1.066	0	3	0	0	0.0	2.7	3.2		2.5	3.5	4.7	3.2	round, uniform, points in pos, attractive
	Fenway Red	374	455	82	15	82	0	3	1.071	0	3	0	0	0.3	3.7	4.0		3.8	2.8	2.2	2.0	light skin color, oval type
	Dark Red Norland	349	391	89	10	89	0	1	1.061	0	0	0	0	0.0	3.5	2.2		3.3	3.0	3.2	3.5	oval type, buff skin
	Norland RP	349	393	89	7	89	0	4	1.062	0	0	0	0	0.0	3.2	2.3		2.5	4.2	3.3	3.3	sl flattened oval type
	MSW343-2R	344	373	92	6	92	0	2	1.059	0	0	0	0	0.3	1.7	3.0		2.6	2.2	3.8	1.5	sheep nose, deep apical eyes, round
	MS2427-3R	320	363	88	10	88	0	2	1.063	0	0	0	0	0.5	2.0	2.5		2.5	2.8	4.3	2.7	flattened round type
	NDA050237B-1R	317	356	89	8	89	0	3	1.060	0	3	0	0	0.0	2.7	4.5		1.8	4.7	4.5	2.5	non uniform type, sl ah, blocky
	CO99076-6R	307	345	89	7	89	0	4	1.071	0	0	3	0	0.3	3.0	2.3		4.7	5.0	5.0	1.2	uniform round type, attractive skin color
	AAC Red Viola	275	352	84	16	78	6	0	1.073	0	0	0	0	0.0	2.5	2.7		2.3	4.2	4.3	2.8	round to oval type, pear shapes, uniform, attractive
	Vicki	273	363	75	20	75	0	5	1.070	0	0	0	0	0.3	3.0	4.2		2.7	2.0	2.5	1.2	oval type, mod netted skin
	CO14105-1R*	267	333	80	17	80	0	2	1.058	0	0	0	0	1.5	2.3	2.7		2.0	4.0	4.2	2.7	uniform skin color
	Ricarda	234	331	70	24	70	0	6	1.068	0	3	0	0	0.3	4.0	4.2		4.2	1.2	3.8	2.2	flattened oblong type, med red skin color
	MSX324-2R	211	289	73	12	73	0	15	1.074	0	3	0	0	0.0	3.0	2.3		1.7	3.5	2.3	3.5	sl ah, gc in pos, oval type
	CO14074-1R*	198	268	74	19	74	0	7	1.072	0	0	0	0	0.0	1.8	3.3		3.0	5.0	5.0	3.0	sl ah, points in pos
Blushing Belle	121	315	38	25	38	0	37	1.060	0	0	0	0	0.2	3.0	3.5		2.2	1.3	3.2	1.2	misshapen pos, bottlenecks, inconsistent skin color	
CO14040-3R*	116	272	42	57	42	0	1	1.074	0	3	0	0	0.0	2.6	1.5		2.5	3.5	3.3	2.7	very small, unform, round, uniform	
	MEAN	279	353	78	16	77	0	6	1.066	0	1	0	0	0.2	2.8	3.0		2.8	3.3	3.7	2.5	
ROUND WHITE TYPE	Audrey	399	496	81	13	81	0	6	1.067	0	0	0	0	1.2	3.7	3.3		3.8				oval, mod netting, bright
	HZC 07-1356	329	448	73	24	73	0	3	1.070	0	10	3	0	0.8	3.7	3.0		3.2				uniform round type, blocky, sl gc
	Envol	309	337	92	7	92	0	1	1.068	0	0	0	0	1.3	4.3	1.0		3.3				tr PVY, gc, netted skin, blocky
	Algonquin	277	308	90	5	90	0	5	1.072	0	0	0	0	0.2	3.6	2.3		3.5				blocky tubers, non uniform type, sl netting
	MEAN	329	397	84	12	84	0	4	1.069	0	3	1	0	0.9	3.8	2.4						
TRIAL MEAN	284	370	77	18	76	0	5	1.068	0	2	0	0	0.7	3.1	3.1	3.1	2.5	2.8	3.3	3.7	2.5	

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 Data is replicated	³ RAW TUBER QUALITY (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: 6/15/20 Rating 1-5 1: Slow emergence 5: Early emergence	⁶ VINE MATURITY RATING Date: 8/13/20 Rating 1-5 1: Early (vines completely dead) 5: Late (vigorous vines, some flowering)	FIELD DATA Planting Date Vine Kill Date Harvest Date Days (planting to vine kill) Days (planting to harvest) GDD ₄₀ MAWN Station GDD ₄₀ (planting to vine kill) Seed Spacing	5/6/2020 8/24/2020 9/15/2020 110 132 Fairgrove 3086 10"
⁷ WAXINESS RATING 1: Heavy netting, buff 5: Waxy, smooth	⁸ FLESH COLOR 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	*EGS graduate variety		

2020 Tablestock Potato Variety Trial

Walther Farms Cass City

Planting: 5/6/20 Vine Kill: 8/24/20 Harvest: 9/15/20
GDD₄₀: 3086

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ⁴ (%)						YELLOW FLESH		RED SKIN			COMMENTS						
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	COMMON SCAB RATING ⁵	VINE VIGOR ⁷	VINE MATURITY ⁸	WAXINESS ⁷	FLESH COLOR ⁸		WAXINESS ⁷	SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹		
YELLOW SKIN TYPE	MSCC515-2Y	423	479	88	7	88	0	5	1.075	0	0	0	0	1.0	3.5	4.0	3.5	2.0						round uniform tuber type, sl netting
	MSV093-1Y	288	304	95	5	95	0	0	1.072	0	0	0	0	1.0	3.5	4.0	1.5	2.5						blocky type
	MEAN	356	392	92	6	92	0	3	1.074	0	0	0	0	1.0	3.5	4.0	2.5	2.3						
RED SKIN TYPE	Roko	370	454	82	16	82	0	2	1.073	0	0	20	0	1.0	3.5	5.0			3.0	1.0	5.0	1.0		oval to oblong, bluish red skin color
	Canadian Rose (CO00277-2R)	263	300	88	6	88	0	6	1.068	0	40	0	0	1.0	1.5	3.0			2.5	4.5	5.0	3.0		round to oval type, attractive skin color
	NDTX4784-7R	227	247	92	5	83	9	3	1.059	0	0	0	0	2.0	1.5	3.5			2.5	4.5	4.5	4.5		dark red skin color, sl ah, blocky
	MEAN	287	334	87	9	84	3	4	1.067	0	13	7	0	1.3	2.2	3.8			2.7	3.3	4.8	2.8		
	TRIAL MEAN	314	357	89	8	87	2	3	1.069	0	8	4	0	1.2	2.7	3.9			2.7	3.3	4.8	2.8		

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**

Data not replicated

³**RAW TUBER QUALITY**

(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: 6/15/20

Rating 1-5

1: Slow emergence

5: Early emergence

⁶**VINE MATURITY RATING**

Date: 8/13/20

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date

Vine Kill Date

Harvest Date

Days (planting to vine kill)

Days (planting to harvest)

GDD₄₀ MAWN Station

GDD₄₀ (planting to vine kill)

Seed Spacing

5/6/2020

8/24/2020

9/15/2020

110

132

Fairgrove

3086

10"

⁷**WAXINESS RATING**

1: Heavy netting, buff

5: Waxy, smooth

⁸**FLESH COLOR**

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