

2022 Potato Outreach Program On-Farm Variety Trials

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

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**2022 Michigan Statewide Tablestock Potato Variety Trials
Overall Averages - Ten Locations**

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
MSBB343-2Y ^{abcdf}	534	585	91	5	87	4	4	1.074	2	12	2	3	1.2	4.4	2.9	2.8	2.4					blocky round to oval type, moderate growth cracks, poor appearance
Alaska Gold ^{abcdf}	527	618	85	8	85	0	7	1.078	0	6	35	2	1.7	3.8	3.4	2.6	2.3					pointed tubers, light netted skin, variable type
Colomba ^{abcdfg}	499	566	87	11	82	5	2	1.054	0	6	0	0	0.8	4.5	2.3	3.5	2.7					flat blocky round type, light skin
Camelia ^h	473	545	86	11	86	0	3	1.069	0	13	0	0	1.3	3.2	2.8	3.8	4.4					non uniform type, medium netted skin
Paroli ^{abcdfg}	457	539	84	7	81	3	9	1.055	3	9	0	0	0.7	4.7	2.2	3.4	4.1					less uniform type, pointed tubers
Bonafide ^{abfj}	455	511	89	7	87	2	4	1.067	0	10	0	0	0.4	4.0	3.3	3.1	3.0					inconsistent shape, medium netted skin
Golden Globe ^{abcdfg}	454	538	83	12	82	1	5	1.067	0	14	0	0	0.5	4.3	2.1	3.4	3.1					bright appearance, uniform round to oval type
AF6664-9 ^b	443	470	94	4	94	0	2	1.075	0	50	0	0	2.0	4.0	2.5	3.0	2.0					uniform round tuber type, medium netted skin
MS2615-2 ^{abcdf}	443	481	91	8	91	0	1	1.067	2	6	2	0	0.6	4.6	2.2	3.4	2.6					deeper eyes, large round to oval type, slight skinning
Allora ^{abcdfg}	436	486	89	8	85	4	3	1.068	0	9	2	0	0.8	3.8	2.5	3.4	3.6					oval to oblong type, netted skin
W13103-2Y ^{abcdfg}	422	474	88	11	86	2	1	1.061	0	6	3	0	0.8	3.6	2.5	3.5	3.9					blocky round type, light netted skin
Floridana ^{abcdf}	412	494	83	15	83	0	2	1.063	2	11	0	0	1.7	3.9	2.6	3.6	3.4					bright appearance, flat oval to oblong type, trace heat knobs
W15240-2Y ^{abcdfg}	409	519	78	19	78	0	3	1.065	0	5	0	1	0.8	3.6	2.6	3.6	3.4					bright thin skin, oval to oblong type, pointed tubers
MSBB371-1Y ^{sp^l}	408	517	79	21	79	0	0	1.078	0	0	0	0	0.0	4.5	3.0	2.0	1.5					purple splashed eyes, flat to round oval type
Acoustic ^{abcdf}	392	510	74	21	74	0	5	1.054	0	13	0	0	1.5	4.3	2.7	3.4	2.7					flat oval type, sticky stolons, second growth
Constance ^{abcdfg}	388	476	81	16	78	3	3	1.064	0	2	0	0	0.7	3.9	2.7	3.3	3.3					flat oval type, nice appearance
Jelly ^{abcdfg}	388	447	86	8	83	3	6	1.076	0	12	0	1	0.6	3.5	3.7	3.0	3.7					light netted skin, oval to oblong type, sticky stolons
Natascha ^{abcdf}	380	521	71	26	71	0	3	1.066	0	7	2	3	1.8	3.7	2.9	3.9	4.5					nice bright skin, pointed tubers, oblong type
Yukon Gold ^{bcj}	366	394	94	6	88	6	0	1.077	3	10	0	0	1.8	2.8	2.2	3.5	2.7					blocky round type, pink eyes
Christel ^{abcdf}	363	490	72	23	72	0	5	1.058	2	15	14	4	0.7	4.1	2.9	2.9	4.4					flat oval tuber type, trace pointed tubers
Honey Ryder ^{abcdf}	349	536	65	27	65	0	8	1.055	0	6	0	0	0.7	3.6	3.0	3.8	3.6					nice skin, oblong type, sticky stolons
Danina ^{abcdf}	347	483	73	24	73	0	3	1.069	0	15	0	4	1.4	3.6	2.8	4.0	4.5					round to oval type, slight netted skin, pointed tubers
ATX05202s-3W/Y ^{ef}	341	452	74	23	74	0	3	1.074	0	10	0	0	1.8	3.0	3.0	2.8	2.3					flat uniform type, some pointed tubers
AF6582-1 ^{abcdf}	340	409	83	14	82	1	3	1.077	0	5	0	0	1.1	4.1	2.3	3.1	2.3					flat oval type, inconsistent skin
Tyson ^{bcdf}	340	412	80	14	80	0	6	1.066	0	19	0	0	1.2	3.5	2.3	3.1	2.5					bright round to oval type, trace points and knobs
Belmonda ^f	316	384	82	16	82	0	2	1.062	0	0	0	0	0.0	5.0	3.5	2.5	2.0					poor appearance, flaky netted skin
Montana ^{abcdf}	310	498	63	33	63	0	4	1.062	0	3	0	0	1.2	3.5	2.6	4.1	4.7					bright smooth skin, trace pointed tubers, nice appearance
W15248-17Y ^{abcdf}	310	391	78	20	78	0	2	1.052	0	4	0	0	0.3	3.6	2.4	3.6	3.9					nice oval type, bright appearance, thin skin
AF6194-4 ^l	286	310	92	8	92	0	0	1.080	0	13	0	0	0.5	2.0	2.0	3.2	3.0					flat round type
TX177975-11Y/Y ^{ef}	276	386	72	23	72	0	5	1.098	20	0	5	0	1.5	3.3	3.8	2.5	2.3					many pointed tubers, non-uniform type
Queen Anne ^{abcdf}	274	439	62	33	62	0	5	1.060	0	3	0	0	0.7	3.3	2.8	4.2	4.6					nice smooth skin, waxy, oblong to long, bright
Ballerina ^{abcdf}	270	406	67	28	67	0	5	1.055	0	2	0	0	0.5	4.4	1.8	3.7	3.4					flat oblong type, light netted skin
Sound ^{abcdf}	255	538	47	47	47	0	6	1.070	0	5	0	0	1.2	4.1	2.9	3.2	3.0					flat oval to oblong type, bright appearance, trace points
W15234-5Y ^l	244	307	80	20	80	0	0	1.065	0	0	7	0	0.7	2.7	1.3	3.3	5.0					misshapen tubers, blocky round type
Erika ^{abcdfg}	192	404	44	51	44	0	5	1.063	0	5	0	0	0.8	3.3	2.4	3.8	3.8					smooth waxy skin, flat oval to oblong type, trace pointed tubers
CO14226-3W/Y ^l	191	314	58	41	58	0	1	1.087	0	0	0	0	0.5	3.5	2.0	3.3	5.0					uniform small round type
CO09128-5W/Y ^{bcdf}	172	349	50	50	50	0	0	1.078	0	8	1	0	2.2	4.3	2.0	3.1	4.5					small round uniform type, pink eyes
Mary Ann ^{abcdf}	146	344	41	53	41	0	6	1.072	0	3	0	0	1.1	3.1	3.8	4.0	4.5					smooth bright skin, trace pointed tubers
TX17763-2Y/Y ^{ef}	74	182	42	50	42	0	8	1.078	0	10	0	0	1.0	1.8	2.3	4.0	3.8					less uniform type, flattened oblong to long shape
CO09128-3W/Y ^{abcdf}	44	171	23	76	23	0	1	1.061	0	4	0	0	1.0	2.9	2.4	3.0	3.7					very small, thin skin, marginal appearance
MEAN	343	448	74	22	73	1	4	1.068	1	8	2	0	1.0	3.7	2.6	3.3	3.4					

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
NDAF113484B-1 ^{abcdfg}	431	473	92	5	90	2	3	1.061	0	10	0	0	0.4	4.0	2.5	2.9	4.1	4.1	0.9	uniform round to oval type, consistent skin color, prominent eyes	
Colorado Rose ^{ce}	417	508	80	18	80	0	2	1.071	0	5	0	0	1.3	3.8	3.3	3.8	4.5	3.8	1.0	floppy oval type, moderate growth crack, slight skinning	
NDAA050237B-1R ^{bcdefg}	417	493	85	13	82	3	2	1.064	0	11	0	0	0.6	3.8	3.9	3.5	4.1	4.0	1.0	nice dark red skin color, flat round type, slight skinning	
CO090976-GR ^{bcdefg}	399	432	91	7	88	3	2	1.075	0	6	0	0	0.8	3.7	2.6	2.9	3.9	3.2	1.0	uniform round type, slight skinning	
AAF11546-3 ^h	371	458	79	18	78	1	3	1.057	0	10	0	0	0.1	3.5	2.6	3.2	4.0	4.0	1.1	nice skin, deeper eyes, skinning, flat oval type	
AF6289-2 ^{hi}	368	443	83	16	83	0	1	1.060	0	3	0	0	1.6	3.4	1.9	3.2	3.9	3.9	1.1	attractive skin color, sticky stolons, slight skinning	
NDAF12238Y-2 ^{efi}	359	424	84	14	84	0	2	1.076	0	3	0	0	0.4	3.9	2.7	2.8	2.6	3.2	1.7	blocky round type, acceptable appearance	
AF6692-1 ^l	353	384	92	6	92	0	2	1.079	0	0	0	0	2.0	3.0	3.5	3.5	4.0	4.0	1.0	moderate skinning, blocky round to oval type	
NDAF13296Y-4 ^{efi}	351	379	92	7	92	0	1	1.076	0	7	0	0	0.9	3.2	2.6	3.0	3.4	4.1	1.8	nice blocky round to oval type, slight sticky stolons	
Dark Red Norland ^{abcdfg}	348	408	85	12	85	0	3	1.059	0	4	0	0	0.1	3.8	1.7	3.3	3.3	2.5	1.8	prominent eyes, less uniform type, variable skin color	
Flamenco ^o	345	479	72	14	72	0	14	1.062	0	17	0	0	0.1	3.3	2.4	3.0	2.9	3.0	1.0	slight alligator hide, non-uniform type, poor appearance	
BNC917-2 ^l	341	435	78	20	78	0	2	1.069	0	23	0	0	1.0	3.0	1.8	4.0	4.0	4.0	2.3	skinning, flat oval type	
NDAF141Y-3 ^{efi}	333	455	73	25	73	0	2	1.085	0	1	0	0	0.5	3.2	3.5	2.8	3.1	3.2	1.4	deeper apical eyes, moderate skinning	
NDAF12143-1 ^{bcdefg}	311	377	83	14	74	9	3	1.069	0	9	0	1	0.7	3.0	2.8	2.9	3.5	3.4	1.1	round uniform type, moderate skinning, pointed tubers	
BNC559-1 ^{hi}	300	370	81	17	81	0	2	1.074	0	10	0	0	0.3	2.2	2.0	3.2	3.8	3.7	2.7	blocky oval type, dark red to almost purple skin	
M5CC553-1R ^{abcde}	297	355	83	14	83	0	3	1.074	2	10	0	0	0.3	3.6	3.0	3.0	4.2	4.1	0.8	sticky stolons, moderate skinning, round type	
AF6694-8 ^l	295	397	74	24	74	0	2	1.074	0	0	0	0	0.0	4.5	3.5	3.0	4.0	3.0	1.0	uniform round to oval type, netted skin	
W16030-4R ^l	286	357	80	19	80	0	1	1.069	0	0	0	0	0.7	2.0	1.5	3.0	3.8	3.7	1.0	flat oval type	
W16025-5R ^l	280	347	80	19	80	0	1	1.065	0	7	0	0	1.0	2.5	1.8	3.0	2.7	2.8	1.0	small uniform round tubers, light red skin	
CO15113-1R ^{hi}	274	338	80	19	80	0	1	1.076	0	1	0	0	0.4	2.6	2.3	3.1	3.9	4.0	1.3	round type, acceptable appearance	
NDAA8512C-1R ^{hi}	270	336	80	17	80	0	3	1.073	0	0	0	0	0.3	3.0	1.3	3.0	4.3	4.0	1.7	flat round to oval type, skin cracking, poor appearance	
BNC839-5 ^l	252	277	91	7	91	0	2	1.073	0	0	0	0	0.3	1.5	2.0	3.3	4.0	3.7	1.0	attractive round shape, variable skin	
CO15084-4R ^l	221	324	68	29	68	0	3	1.082	0	0	0	0	0.0	2.5	3.0	3.3	5.0	5.0	1.0	very dark skin, attractive type and appearance	
AF6693-1 ^l	217	286	76	20	76	0	4	1.070	0	0	0	0	0.5	2.8	2.3	3.0	4.0	4.0	1.0	deeper eyes, flat round to oval type	
Autumn Rose ^{abcde}	211	308	66	27	66	0	7	1.072	0	9	0	0	0.3	3.4	2.4	2.9	2.6	3.1	1.1	pointed tubers, moderate growth crack, inconsistent color	
W17005-3R ^{fi}	173	285	61	34	61	0	5	1.067	0	17	0	0	0.0	2.7	2.0	3.2	3.3	3.0	1.0	oval type, misshapen tubers	
CO15211-5R ^{fi}	163	194	83	14	83	0	3	1.072	0	4	1	0	0.5	2.3	2.2	3.4	3.8	3.8	1.3	round to oval type, moderate skinning	
W17027-2R ^l	147	243	60	31	60	0	9	1.063	0	0	0	0	0.0	2.3	1.8	3.2	3.0	3.3	1.3	pointed tubers, variable shape, acceptable appearance	
W17026-4R ^l	141	241	57	43	57	0	0	1.062	0	0	0	0	0.2	2.7	2.2	2.8	3.8	3.3	1.0	trace growth crack, small round type	
BTX2332-1R ^l	141	159	89	4	89	0	7	1.067	0	0	0	0	0.5	3.3	2.3	3.0	4.0	4.0	1.0	uniform flat round type	
CO14040-3R ^l	120	228	50	50	50	0	0	1.080	0	0	0	0	0.0	3.5	2.3	3.5	3.3	3.5	1.0	nice appearance, smooth skin, round type	
NDTX12248Y-1R ^l	108	115	94	6	94	0	0	1.064	0	0	0	0	0.0	2.0	1.0	3.0	2.5	2.5	2.0	poor appearance	
Lollipop ^{fi}	57	186	30	70	30	0	0	1.071	0	0	0	0	0.8	2.3	1.8	2.9	2.8	2.8	1.0	small round to oval type	
COTX15111-1R ^l	23	45	51	43	51	0	6	1.068	0	0	0	0	0.5	1.5	0.0	4.0	4.0	3.5	1.0	variable skin color	
CO15115-2R ^l	13	42	30	69	30	0	1	1.069	0	0	0	0	0.3	2.5	2.0	3.3	3.0	2.0	2.5	trace growth crack, small round type	
MEAN	261	331	75	22	75	1	3	1.070	0	4	0	0	0.5	3.0	2.4	3.1	3.6	3.5	1.3		
ROUND WHITE TYPE	Volare ^{bcde}	614	689	88	10	88	0	2	1.056	4	10	2	0	1.2	3.9	2.3	3.2			round to oval type, bright appearance, light skin	
	Sifra ^{ce}	580	690	82	16	82	0	2	1.073	0	8	0	0	0.8	3.8	3.2	2.3			thin skin, bright appearance, trace knobs	
	AF6551-4 ^{efi}	484	512	94	6	78	16	0	1.079	0	1	0	0	0.6	4.1	3.2	2.5			uniform blocky round type	
	AF5819-2 ^{bcde}	480	541	89	11	86	3	0	1.070	3	9	0	0	0.9	3.8	2.2	3.2			blocky round type, light netted skin, recessed apical ends	
	Reba ^{bcde}	467	490	95	4	94	1	1	1.070	0	10	0	4	1.1	3.8	3.2	3.1			netted skin, deeper eyes, blocky round type	
	M5Z513-2 ^{bcde}	435	482	90	8	87	3	2	1.064	2	5	7	0	0.3	4.6	2.3	3.2			flat blocky round to oval type, deep eyes, pointed tubers	
	Superior ^{bcde}	405	470	86	11	86	0	3	1.073	0	15	0	0	0.0	4.6	2.3	2.6			marginal appearance, oval to oblong type, deep eyes	
	AF6735-2 ^{bcde}	355	403	89	9	87	2	2	1.071	0	15	10	0	0.8	3.3	2.5	3.3			bright skin, nice appearance, round type	
AF5931-1 ^{efi}	341	426	80	18	80	0	2	1.078	0	19	0	0	2.1	3.7	2.7	2.8			flat round to oval tuber type, bright appearance		
AF6194-4 ^{efi}	329	363	91	8	91	0	1	1.076	0	5	0	0	0.5	4.0	3.3	2.8			blocky round type, medium netted skin		
MEAN	449	507	88	10	86	3	2	1.071	1	10	2	0	0.8	3.9	2.7	2.9					
NOVELTY TYPE	MSZ109-8PP ^{ef}	548	604	91	8	91	0	1	1.070	0	0	0	0	0.5	4.0	4.0	1.0	5.0	1.0	3.0	chimeral white splash, prominent and deep eyes
	Blackberry ^{bcde}	487	598	82	16	79	3	2	1.068	0	0	0	0	0.3	3.8	3.8	3.5	5.0	2.3	0.3	trace pointed tubers, white splashes on some tuber eyes
	BNC833-2 ^{ef}	324	409	79	20	79	0	1	1.062	0	0	0	0	2.5	3.5	3.0	3.0	5.0	4.0	3.0	non-uniform tuber type, oblong, heavier skin
	Purple #10 ^{ef}	256	393	65	33	65	0	2	1.084	0	0	0	0	0.0	3.5	4.0	2.0	2.0	1.0	1.0	poor tuber shape, variable skin, oval to oblong type
MEAN	404	501	79	19	79	1	2	1.071	0	0	0	0	0.8	3.7	3.7	2.4	4.3	2.1	1.8		
TRIAL MEAN	325	411	76	21	75	1	3	1.069	0	7	1	0	0.8	3.4	2.6	3.2	3.4	3.1	3.7	3.4	1.3

2022 Russet Variety Trial Sites

- ¹4-L Farm
- ²Horkey Farms
- ³Jenkins Farms
- ⁴Kitchen Farms, Mini Bulk Trial
- ⁵Kitchen Farms, Strip Trial
- ⁶Styma Potato Farms
- ⁷Verbrigghe Farms
- ⁸Walther Farms Early Generation Selection
- ⁹Walther Farms Replicated Trial
- ¹⁰Walther Farms Strip Trial

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

2022 Tablestock Potato Variety Trial

4-L Farms

Planting: 5/24/22 Vine Kill: 9/27/22 Harvest: 10/24/22
GDD₅₀: 3634

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	
Bonafide	727	764	95	3	91	4	2	1.071	0	0	0	0	0.5	5.0	3.5	3.0	3.0						poor shape, deep eyes, sheep nose, rough skin
Alaska Gold	597	754	79	8	79	0	13	1.074	0	0	30	0	0.5	4.0	3.0	3.0	2.0						misshapen and pointed tubers, poor skin finish
MSBB343-2Y	577	651	88	6	86	2	6	1.071	0	0	0	0	1.0	5.0	2.5	3.5	2.5						lots of growth crack, misshapen tubers, light netted skin
W15240-2Y	555	634	87	11	87	0	2	1.057	0	0	0	0	0.5	4.0	2.0	4.0	4.0						points, misshapen tubers, nice round type
W13103-2Y	527	565	93	6	93	0	1	1.057	0	0	20	0	2.5	4.0	3.5	3.0	4.5						rougher skin, pits, nice round oval shape
Natascha	479	623	77	23	77	0	0	1.066	0	0	0	0	0.0	4.0	3.0	4.0	5.0						nice bright skin, prominent eyes
Golden Globe	469	589	80	6	80	0	14	1.058	0	0	0	0	0.0	4.5	2.0	4.0	3.0						pointed tubers, second growth, thin bright skin
Acoustic	449	584	77	14	77	0	9	1.053	0	20	0	0	0.5	4.5	3.0	3.5	3.0						many misshapen tubers, sticky stolons, second growth
Allora	440	502	88	6	88	0	6	1.064	0	0	0	0	0.5	3.5	2.0	4.0	4.0						pointed tubers, prominent lenticels
Colomba	414	502	82	15	82	0	3	1.044	0	0	0	0	2.0	5.0	3.0	3.5	3.0						prominent eyes and lenticels, blocky tubers, light skin
Danina	386	475	81	16	81	0	3	1.067	0	0	0	0	1.0	4.0	3.0	3.5	5.0						rougher skin, growth crack
Montana	383	512	75	25	75	0	0	1.055	0	0	0	0	0.0	4.0	2.0	4.0	5.0						bright smooth skin, long oval type
AF6582-1	375	409	92	8	89	3	0	1.073	0	0	0	0	0.5	5.0	2.0	3.0	3.0						rougher skin, variable shape
Honey Ryder	368	537	69	27	69	0	4	1.049	0	0	0	0	0.5	4.0	3.0	3.0	3.0						attractive skin, misshapen pickouts, long type
Jelly	366	431	85	5	83	2	10	1.076	0	0	0	0	0.0	3.0	3.0	4.0	5.0						light netted skin, misshapen pickouts
Ballerina	339	493	69	26	69	0	5	1.049	0	0	0	0	0.0	5.0	3.0	3.5	3.0						long oval type, bright thin skin, shallow eyes, nice appearance
Sound	296	541	55	39	55	0	6	1.065	0	0	0	0	0.0	4.0	3.0	3.0	3.5						lots of points and misshapen tubers, rougher netted skin
Erika	290	588	49	49	49	0	2	1.064	0	0	0	0	0.0	4.0	2.0	4.0	5.0						smooth skin, prominent lenticels
MS2615-2	285	329	87	12	87	0	1	1.055	0	0	0	0	0.0	5.0	3.5	4.0	3.5						deeper apical eyes, lenticels, thin skin
Constance	272	347	78	21	78	0	1	1.051	0	0	0	0	0.0	4.5	2.5	4.0	4.0						long oval type, nice appearance, bright skin
Paroli	268	344	77	2	77	0	21	1.047	0	0	0	0	0.0	5.0	3.0	4.0	5.0						misshapen tubers, poor appearance
Queen Anne	267	362	74	25	74	0	1	1.053	0	0	0	0	0.0	3.5	5.0	4.0	5.0						niche shape and appearance
Mary Ann	256	409	63	34	63	0	3	1.072	0	0	0	0	1.0	4.0	2.5	4.0	5.0						smooth bright skin, oval shape, nice appearance
Christel	232	365	64	36	64	0	0	1.053	0	20	0	0	0.0	4.0	3.5	4.0	5.0						light netted skin, flattened round type, consistent type
Floridana	222	273	81	16	79	2	3	1.047	0	0	0	0	2.0	4.0	2.0	4.0	5.0						pitted scab lesions
W15248-17Y	199	273	73	27	73	0	0	1.040	0	0	0	0	0.0	4.5	3.5	4.0	4.0						niche consistent oval shape, thin bright skin, great appearance
CO09128-3W/Y	19	102	18	82	18	0	0	1.053	0	0	0	0	0.0	4.0	3.5	3.0	4.0						very small, round type, thin skin
MEAN	386	494	78	18	77	1	4	1.059	0	1	2	0	0.5	4.3	2.9	3.6	4.0						
CO09076-6R	568	604	94	4	92	2	2	1.071	0	0	0	0	0.0	4.5	3.5			3.0	3.5	3.0	1.0		variable skin color, slight skinning, nice dark red skin
NDA050237B-1R	544	560	97	2	92	6	0	1.064	0	0	0	0	2.0	4.5	2.5			3.0	4.0	4.0	1.0		niche dark red skin color, round shape, minimal skinning
AAF11546-3	539	603	89	9	88	2	1	1.057	0	0	0	0	0.0	4.5	2.5			3.0	4.0	4.0	1.0		niche skin color, variable shape, severe aligator hide, sheep nose, skinning
AF6289-2	446	512	87	11	87	0	2	1.053	0	0	10	0	2.5	4.5	2.0			3.0	3.5	4.0	1.0		niche skin color, trace sticky stolons, slight skinning
NDAF113484B-1	337	378	89	9	86	3	2	1.046	0	0	0	0	0.0	5.0	2.5			3.5	4.0	4.0	1.0		uniform color, some skinning, few misshapen tubers
NDAF12143-1	316	379	84	13	84	0	3	1.057	0	0	0	0	2.0	4.0	3.0			3.0	3.5	3.5	1.0		niche round type, slight deep eyes, slight skinning
MSCC553-1R	310	373	83	14	81	2	3	1.066	0	0	0	0	0.0	4.5	3.0			3.0	4.0	4.0	0.0		sticky stolons, variable type and color, growth crack
Dark Red Norland	227	271	84	11	84	0	5	1.046	0	0	0	0	0.0	4.0	3.0			3.0	3.5	3.5	1.0		variable skin color, prominent eyes, oval type
Autumn Rose	109	199	55	33	55	0	12	1.061	0	0	0	0	0.5	4.5	2.0			3.0	2.5	3.0	0.0		misshapen tubers, poor appearance, inconsistent color and type
MEAN	377	431	85	12	83	2	3	1.058	0	0	0	0	0.8	4.4	2.7			3.1	3.6	3.7	0.8		
Volare	818	914	90	4	89	1	6	1.053	0	0	0	0	0.0	4.0	3.0	3.0							misshapen pickouts, nice thin skin, variable shape
AF5819-2	544	592	92	8	91	1	0	1.068	0	0	0	0	0.0	4.5	2.0	3.0							niche round shape, deeper eyes, slight rough skin
Reba	332	343	97	3	96	1	0	1.065	0	0	0	0	0.5	4.0	3.5	3.0							rougher skin, deeper eyes
MS2513-2	269	303	89	11	89	0	0	1.055	0	0	0	0	0.0	5.0	3.0	3.5							even skin, deep eyes, round tubers
MEAN	491	538	92	7	91	1	2	1.060	0	0	0	0	0.1	4.4	2.9	3.1							
Novelty	Blackberry	456	591	77	21	77	0	2	1.059	0	0	0	0.0	4.0	3.5			3.5	5.0	5.0	0.0		trace pointed tubers
TRIAL MEAN	387	478	79	17	78	1	4	1.059	0	1	1	0	0.5	4	3	3.6	4.0	3.1	3.8	3.8	0.7		

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: 7/5/22
Rating 1-5
1: Slow emergence
5: Early emergence

⁶VINE MATURITY RATING
Date: 8/18/22
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

FIELD DATA
Planting Date: 5/24/22
Vine Kill Date: 9/27/22
Harvest Date: 10/24/22
Days (planting to vine kill): 126
Days (planting to harvest): 153
GDD₅₀ MAWN Station: Allegan
GDD₅₀ (planting to vine kill): 3634
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

2022 Tablestock Potato Variety Trial Jenkins Farms

Planting: 5/16/22 Vine Kill: 8/24/22 Harvest: 9/19/22

GDD₄₀: 3143

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ² (%)						COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	YELLOW FLESH		RED SKIN			SILVER SCURF ¹¹	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					
Paroli	625	737	85	7	80	4	9	1.050	20	0	0	0	0.0	5.0	2.0	3.0	4.0								slight bacterial breakdown, less uniform type, blocky
Golden Globe	570	643	89	9	89	0	2	1.065	0	0	0	0	0.5	4.5	2.0	4.5	3.5								flat oval to oblong type, less uniform, light netted skin
Christel	508	643	79	15	79	0	6	1.059	0	0	0	0	0.0	4.5	3.5	3.0	5.0								flat oval type, light netted skin
MSBB343-2Y	497	582	86	2	77	9	12	1.073	0	0	0	0	0.5	4.0	3.5	3.5	3.0								blocky round to oval type, moderate growth crack, poor appearance
Floridana	496	558	89	11	89	0	0	1.062	0	0	0	0	2.0	4.0	2.5	3.5	3.5								inconsistent shape
MSZ615-2	493	541	91	7	91	0	2	1.068	0	0	0	0	0.0	5.0	2.0	4.0	3.0								flat round to oval type, medium skin, slight skinning
Colomba	487	561	87	10	87	0	3	1.053	0	0	0	0	1.0	5.0	3.5	4.0	3.0								flat blocky round type, light netted skin
AF6582-1	471	557	85	10	85	0	5	1.080	0	0	0	0	1.0	4.0	2.0	3.0	3.0								flat round to oval type, medium netted skin
Tyson	445	510	87	10	86	1	3	1.069	0	30	0	0	1.0	4.0	2.5	3.5	3.0								inconsistent shape, pointed tubers, medium netted skin, blocky
W13103-2Y	445	500	89	10	89	0	1	1.056	0	0	0	0	0.0	3.5	3.0	4.0	4.0								slight bacterial breakdown, light netted skin
Allora	436	478	91	7	91	0	2	1.065	0	0	0	0	0.5	4.0	2.5	4.0	5.0								flat oval to oblong type, light netted skin
Alaska Gold	435	559	78	11	78	0	11	1.074	0	0	0	0	1.5	4.0	3.5	3.5	3.0								pointed tubers, light skin, slight sticky stolons
Constance	421	511	82	16	82	0	2	1.063	0	0	0	0	0.0	3.5	2.0	3.0	4.0								flat oval type, medium netted skin
Honey Ryder	406	496	82	18	82	0	0	1.052	0	0	0	0	0.0	3.5	3.0	4.0	4.0								moderate rot and bacterial breakdown, scurf, rougher skin, poor appearance
Queen Anne	404	622	65	32	65	0	3	1.057	0	0	0	0	0.0	3.5	3.5	4.5	5.0								nice smooth skin, oval to oblong type, waxy
Natascha	403	534	75	22	75	0	3	1.060	0	0	0	0	2.0	3.5	3.0	4.5	5.0								flat blocky type, nice light netted skin
W15240-2Y	370	553	67	26	67	0	7	1.066	0	0	0	0	0.0	4.0	2.5	4.0	3.5								bright thin skin, slight pointed tubers
Acoustic	360	475	76	18	76	0	6	1.051	0	0	0	0	1.0	4.5	3.5	5.0	3.5								flat round to oval type, light skin, moderate skinning
W15248-17Y	342	435	79	17	79	0	4	1.050	0	0	0	0	0.5	3.5	3.5	4.5	5.0								oval blocky type, thin skin
Danina	328	606	54	45	54	0	1	1.066	0	0	0	0	1.0	3.0	3.0	5.0	5.0								smaller, round to oval type, pointed tubers
Sound	326	698	47	49	47	0	4	1.069	0	0	0	0	1.0	5.0	3.5	4.0	3.0								flat oval to oblong type, bright
Belmonda	316	384	82	16	82	0	2	1.062	0	0	0	0	0.0	5.0	3.5	2.5	2.0								poor appearance, flaky netted skin
Montana	304	529	57	42	57	0	1	1.056	0	0	0	0	0.5	3.5	2.0	4.0	5.0								severe pit rot, flat oval to oblong type, light netted skin
Ballerina	247	458	54	35	54	0	11	1.053	0	0	0	0	0.0	4.5	2.0	4.5	4.0								flat oblong type, less uniform, light netted skin
Erika	165	429	38	58	38	0	4	1.059	0	0	0	0	0.0	3.5	3.0	5.0	4.0								bright, waxy, nice, oval to oblong type
Jelly	151	204	74	16	74	0	10	1.068	0	20	0	0	0.0		3.5	4.5	4.5								flat oval to oblong type, trace rhizoctonia, sticky stolons
Mary Ann	71	286	25	74	25	0	1	1.066	0	0	0	0	1.0	2.5	3.5	5.0	5.0								pointed tubers inconsistent skin, small
MEAN	390	522	74	22	73	1	4	1.062	1	2	0	0	0.6	4.0	2.9	4.0	3.9								
CO099076-6R	549	576	98	3	95	0	2	1.076	0	0	0	0	0.0	3.5	1.5			3.0	4.5	4.5	1.0				blocky round type, moderate skinning
NDAF113484B-1	434	470	97	5	92	0	3	1.062	0	0	0	0	0.5	3.5	3.0			3.0	4.5	3.0	1.0				blocky round to oval type
NDA050237B-1R	400	580	100	31	69	0	0	1.058	0	30	0	0	0.0	4.0	4.0			4.0	5.0	4.5	1.0				flat round to oval type, slight rhizoctonia
AF6289-2	374	472	99	20	79	0	1	1.062	0	0	0	0	2.0	3.0	2.0			3.5	4.5	4.5	1.0				flat round to oval type, slight skinning
MSCC553-1R	358	434	93	10	83	0	7	1.074	0	0	0	0	0.0	3.5	2.0			3.0	5.0	5.0	1.0				blocky round type, slight sticky stolons, slight skinning
Dark Red Norland	329	430	93	16	77	0	7	1.062	0	0	0	0	0.0	4.0	1.5			3.5	5.0	3.5	1.0				less uniform type
NDAF12143-1	293	363	97	16	81	0	3	1.064	0	30	0	0	0.0	3.5	2.5			3.5	4.0	4.0	1.0				small round uniform type, moderate skinning
Colorado Rose	262	357	100	27	73	0	0	1.064	0	0	0	0	0.5	3.0	3.5			4.5	5.0	4.5	1.0				flat oval to oblong type, nice appearance, slight skinning
Autumn Rose	203	316	95	31	64	0	5	1.079	0	0	0	0	0.0	4.0	2.0			3.0	3.0	4.0	1.0				pointed tubers, netted skin
MEAN	356	444	97	18	79	0	3	1.067	0	7	0	0	0.3	3.6	2.4			3.4	4.5	4.2	1.0				
Volare	819	896	96	6	90	1	3	1.059	20	0	0	0	1.0	4.5	3.0	3.0									flat round to oval type, medium netted skin
Sifra	678	785	99	13	86	0	1	1.070	0	0	0	0	0.5	4.0	3.0	1.5									thin skin, bright appearance
AF5819-2	581	676	100	14	86	0	0	1.072	20	0	0	0	0.0	4.5	2.0	4.5									blocky round tuber type, light netted skin, deeper eyes
Superior	443	522	96	12	84	1	3	1.071	0	0	0	0	0.0	4.5	3.0	2.5									rough tuber type, medium netted skin, deeper eyes
MSZ513-2	403	452	94	6	88	1	5	1.059	0	0	0	0	0.0	4.5	2.0	3.0									flat blocky round to oval type, light netted skin, non uniform type, deep eyes
Reba	396	433	99	8	91	0	1	1.065	0	20	0	0	0.5	3.0	3.0	3.5									flat blocky type
MEAN	553	627	97	10	88	1	2	1.066	7	3	0	0	0.3	4.2	2.7	3.0									
TRIAL MEAN	406	520	82	19	77	0	4	1.064	1	3	0	0	0.5	3.9	2.8	3.8	3.9	3.4	4.5	4.2	1.0				

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: 6/30/22
Rating 1-5
1: Slow emergence
5: Early emergence

⁶VINE MATURITY RATING
Date: 8/16/22
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

FIELD DATA
Planting Date: 5/16/22
Vine Kill Date: 8/24/22
Harvest Date: 9/19/22
Days (planting to vine kill): 100
Days (planting to harvest): 126
GDD₄₀ MAWN Station: Kalkaska
GDD₄₀ (planting to vine kill): 3143
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

2022 Mini Bulk Tablestock Potato Variety Trial Kitchen Farms

Planting: 6/2/22 Vine Kill: 9/2/22 Harvest: 10/11/22
GDD₄₀: 2360

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	Colomba	744	811	92	8	92	0	0	1.056	0	10	0	0	1.0	5.0	3.0	3.0	1.5				blocky oval tuber type	
	W13103-2Y	598	654	92	7	92	0	1	1.063	0	0	0	0	2.0	4.0	3.0	2.0	2.0				blocky round tuber type	
	Golden Globe	556	628	89	10	89	0	1	1.065	0	10	0	0	2.0	5.0	3.0	2.5	2.0				blocky round to oval type	
	Allora	535	581	92	8	92	0	0	1.067	0	0	0	0	1.0	4.5	3.0	2.0	2.0				blocky, oval to oblong tuber type	
	Christel	524	636	82	16	82	0	2	1.061	10	0	0	0	1.0	4.5	3.0	1.0	3.5				flat oval tuber type, trace pointed tubers	
	Acoustic	502	597	84	14	84	0	2	1.062	0	10	0	0	2.0	4.5	3.0	2.0	1.5					not uniform tuber type
	Natascha	467	604	77	23	77	0	0	1.068	0	0	0	20	2.0	4.5	3.5	3.0	3.0					flat oblong to long tuber type
	Constance	445	556	80	19	80	0	1	1.070	0	0	0	0	1.5	4.5	3.5	3.0	2.0					flat oval to oblong type
	Erika	242	529	46	51	46	0	3	1.068	0	0	0	0	2.5	3.5	3.0	2.0	1.5					flat oval to oblong type, less uniform tuber type
	Sound	203	518	39	60	39	0	1	1.075	0	0	0	0	1.5	4.5	3.5	2.5	2.0					flat oblong to long tuber type, bright appearance
	MEAN	482	611	77	22	77	0	1	1.066	1	3	0	2	1.7	4.5	3.2	2.3	2.1					
RED SKIN TYPE	NDAF113484B-1	527	582	91	3	91	0	6	1.069	0	10	0	0	1.0	5.0	3.5			2.0	4.0	4.0	0.0	points and knobs, blocky round tuber type, prominent eyes
	NDAF12143-1	428	519	82	14	82	1	3	1.074	0	0	0	0	1.5	3.5	3.5			2.0	3.0	2.0	1.0	powdery scab, moderate skinning, small round tuber type
	CO099076-6R	368	422	87	11	87	0	2	1.081	0	0	0	0	2.0	4.5	3.0			2.0	2.5	2.0	2.0	uniform round tuber type, slight growth crack, moderate skinning
	MEAN	441	507	87	9	87	0	4	1.075	0	3	0	0	1.5	4.3	3.3			2.0	3.2	2.7	1.0	
	TRIAL MEAN	472	587	79	19	79	0	2	1.068	1	3	0	2	1.6	4.4	3.2	2.3	2.1	2.0	3.2	2.7	1.0	

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: 7/13/22
Rating 1-5
1: Slow emergence
5: Early emergence

⁶VINE MATURITY RATING

Date: 8/16/22
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

⁷FIELD DATA

Planting Date: 6/2/22
Vine Kill Date: 9/2/22
Harvest Date: 10/11/22
Days (planting to vine kill): 92
Days (planting to harvest): 131
GDD₄₀ MAWN Station: Kalkaska
GDD₄₀ (planting to vine kill): 2360
Seed Spacing: 10"

⁸WAXINESS RATING

1: Heavy netting, buff
5: Waxy, smooth

⁹FLESH COLOR

1: White
5: Dark yellow

¹⁰SKIN COLOR

1: Light pink
5: Dark red

¹¹UNIFORMITY OF SKIN COLOR

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

¹²SILVER SCURF

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

2022 Strip Tablestock Potato Variety Trial

Kitchen Farms

Planting: 6/2/22 Vine Kill: 9/2/22 Harvest: 10/11/22
GDD₄₀: 2360

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	Paroli	612	730	84	4	83	1	12	1.059	0	0	0	0	1.0	5.0	2.5	3.0	2.0				oval to oblong type, pointed tubers, poor appearance
	Acoustic	612	741	82	16	82	0	2	1.058	0	20	0	0	2.0	5.0	3.5	3.0	2.0				non uniform flat oval type
	MSZ615-2	609	640	95	5	94	1	0	1.070	10	0	0	0	1.0	5.0	2.5	1.5	1.0				flat blocky round to oval type, deeper eyes, bright appearance
	MSBB343-2Y	597	620	96	2	90	7	1	1.082	10	30	10	20	1.0	4.5	3.0	2.0	1.5				round blocky tuber type
	Jelly	581	663	88	11	88	0	1	1.079	0	0	0	10	0.5	4.0	3.5	2.0	2.5				blocky oval to oblong type, moderately netted skin
	ATX05202s-3W/Y	528	686	77	19	77	0	4	1.077	0	0	0	0	2.5	4.0	3.5	2.0	1.5				flat uniform type, some pointed tubers
	Alaska Gold	492	559	88	9	88	0	3	1.082	0	0	20	10	2.0	4.0	4.0	2.0	1.5				bright appearance, long tuber type, some growth crack, less uniform
	W15240-2Y	456	582	78	16	78	0	6	1.063	0	0	0	0	2.0	4.0	3.5	1.5	2.0				oval to oblong tuber type, less uniform
	Floridana	448	521	86	12	86	0	2	1.068	10	0	0	0	2.0	4.0	3.5	2.5	2.5				flat oval to oblong type
	Tyson	442	503	88	10	88	0	2	1.072	0	0	0	0	1.0	3.5	3.0	2.5	2.5				bright round to oval type, sl pointed tubers
	MSBB371-1Yspl	408	517	79	21	79	0	0	1.078	0	0	0	0	0.0	4.5	3.0	2.0	1.5				purple splashed eyes, flat to round oval type
	TX177975-11Y/Y	387	545	71	19	71	0	10	1.099	40	0	10	0	1.5	4.5	5.0	2.0	1.5				many pointed tubers, non-uniform tuber type
	W15248-17Y	345	467	74	21	74	0	5	1.055	0	0	0	0	0.0	4.0	3.0	3.0	2.5				flat oval tuber type, less uniform
	Ballerina	342	493	69	27	69	0	4	1.057	0	0	0	0	1.0	5.0	2.0	3.0	2.0				flat oblong type
	Queen Anne	322	542	60	39	60	0	1	1.064	0	0	0	0	1.0	4.0	3.0	4.0	3.5				tubular, oblong to long type, good appearance
Montana	283	550	51	47	51	0	2	1.065	0	0	0	0	1.0	4.0	3.0	3.5	3.5				flat oval to oblong type, generally bright appearance	
Sound	267	590	45	53	45	0	2	1.072	0	0	0	0	1.5	4.0	3.0	2.0	2.0				flat oblong to long type	
AF6582-1	262	325	81	14	81	0	5	1.075	0	0	0	0	1.0	4.5	3.5	2.5	1.0				oval to oblong tuber type, pointed tubers	
CO09128-5W/Y	210	455	46	54	46	0	0	1.082	0	10	0	0	3.0	5.0	2.5	2.0	3.5				small round uniform type, "yukon-like" pink eyes	
Mary Ann	171	291	59	38	59	0	3	1.077	0	0	0	0	1.0	3.0	5.0	3.0	3.5				flat oblong to long tuber type, pointed tubers	
CO09128-3W/Y	79	238	33	65	33	0	2	1.066	0	0	0	0	2.0	2.5	3.0	2.0	3.0				small tubers, non uniform type	
MEAN	403	536	73	24	72	0	3	1.071	3	3	2	2	1.3	4.2	3.3	2.4	2.2					
RED SKIN TYPE	Colorado Rose	571	659	87	9	87	0	4	1.078	0	10	0	0	2.0	4.5	3.0		3.0	4.0	3.0	1.0	growth crack in pickouts, blocky oval tuber type
	NDAF12238Y-2	473	544	87	11	87	0	2	1.076	0	0	0	0	0.5	4.5	3.5		2.0	2.0	3.0	2.0	blocky round oval type
	Dark Red Norland	454	529	86	12	86	0	2	1.065	0	10	0	0	0.5	4.5	1.5		2.0	2.5	1.0	3.0	poor appearance, less uniform
	NDA050237B-1R	433	540	80	18	80	0	2	1.073	0	10	0	0	1.5	4.5	5.0		3.0	3.5	2.5	2.0	severe powdery scab, flat to round type, slight skinning
	NDAF141Y-3	431	548	79	16	79	0	5	1.085	0	0	0	0	1.5	3.5	4.0		2.0	3.0	3.0	2.0	flat to round oval type, moderate to severe skinning
	MSCC553-1R	418	474	88	10	86	0	4	1.084	0	10	0	0	1.5	4.0	3.5		3.0	4.0	3.0	1.0	moderate powdery scab, blocky tuber type, some sticky stolon
NDAF13296Y-4	372	408	91	8	91	0	1	1.073	0	20	0	0	2.0	3.5	3.5		3.0	3.0	5.0	3.0	trace skinning, oval to oblong type, slight sticky stolons	
NDAF12143-1	300	367	82	15	10	72	3	1.073	0	0	0	10	1.5	2.0	4.5		2.0	3.0	2.0	3.0	severe powdery scab, smaller round type, points in pickouts	
Autumn Rose	150	271	55	31	55	0	14	1.077	0	0	0	0	0.0	2.0	3.5		3.0	3.0	2.5	2.0	oblong to long tuber type, moderate growth crack	
MEAN	400	482	82	14	73	8	4	1.076	0	7	0	1	1.2	3.7	3.6		2.6	3.1	2.8	2.1		
ROUND WHITE TYPE	Sifra	718	818	88	10	88	0	2	1.073	0	0	0	0	2.0	4.5	4.0						blocky round tuber type, trace knobs
	Reba	598	635	94	5	94	0	1	1.075	0	10	0	20	1.5	4.5	3.5	3.0					rough, blocky round oval type
	AF6551-4	522	550	95	4	95	0	1	1.082	0	0	0	0	0.5	5.0	3.5	2.5					medium netting, blocky round oval type
	AF5931-1	500	617	81	15	80	1	4	1.076	0	30	0	0	3.5	4.5	3.0	2.0					flat round oval tuber type, bright appearance, severe scab
	MSZ513-2	490	517	95	5	94	1	0	1.062	10	0	10	0	0.0	5.0	3.0						flat blocky, round to oval type, deeper eyes
	AF5819-2	435	517	84	16	84	0	0	1.070	0	0	0	0	2.0	4.0	2.5	2.5					small blocky round tuber type
Superior	398	474	84	10	84	0	6	1.082	0	10	0	0	0.0	5.0	3.0	3.5					rough appearance, oval to oblong type	
AF6194-4	365	405	90	9	90	0	1	1.072	0	10	0	0	0.5	4.0	3.0	2.0						blocky round oval type
MEAN	503	567	89	9	89	0	2	1.074	1	8	1	3	1.3	4.6	3.2	2.6						
NOVELTY TYPE	MSZ109-8PP	548	604	91	8	91	0	1	1.070	0	0	0	0	0.5	4.0	4.0		1.0	5.0	1.0	3.0	chimeral white splash, prominent and deep eyes
	Blackberry	527	658	80	17	80	0	3	1.072	0	0	0	0	1.0	4.0	4.0		3.0	5.0	1.0	1.0	powdery scab, moderate chimeral white splash on eye
	BNC833-2	324	409	79	20	79	0	1	1.062	0	0	0	0	2.5	3.5	3.0		3.0	5.0	4.0	3.0	non-uniform tuber type, oblong, heavier skin
	Purple #10	256	393	65	33	65	0	2	1.084	0	0	0	0	0.0	3.5	4.0		2.0	2.0	1.0	1.0	poor tuber shape, variable skin, oval to oblong type
MEAN	414	516	79	20	79	0	2	1.072	0	0	0	0	1.0	3.8	3.8		2.3	4.3	1.8	2.0		
TRIAL MEAN	422	528	78	19	76	2	3	1.073	2	4	1	2	1.3	4.1	3.4	2.5	2.2	2.5	3.5	2.5	2.1	

¹ SIZE	² SPECIFIC GRAVITY	³ RAW TUBER QUALITY	⁴ COMMON SCAB RATING	⁵ VINE VIGOR RATING	⁶ VINE MATURITY RATING	FIELD DATA	
Non-russet tablestock	Data not replicated	(percent of tubers out of 10)	0.0: Complete absence of surface or pitted lesions	Date: 7/13/22	Date: 8/16/22	Planting Date	6/2/22
Bs: < 1 7/8"		HH: Hollow Heart	1.0: Presence of surface lesions	Rating 1-5	Rating 1-5	Vine Kill Date	9/2/22
As: 1 7/8" - 3 1/4"		VD: Vascular Discoloration	2.0: Pitted lesions on tubers, though coverage is low	1: Slow emergence	1: Early (vines completely dead)	Harvest Date	10/11/22
OV: > 3 1/4"		IBS: Internal Brown Spot	3.0: Pitted lesions common on tubers	5: Early emergence	5: Late (vigorous vines, some flowering)	Days (planting to vine kill)	92
PO: Pickouts		BC: Brown Center	4.0: Pitted lesions severe on tubers			Days (planting to harvest)	131
			5.0: More than 50% of tuber surface area covered in pitted lesions			GDD ₄₀ MAWN Station	Kalkaska
						GDD ₄₀ (planting to vine kill)	2360
⁷ WAXINESS RATING	⁸ FLESH COLOR	⁹ SKIN COLOR	¹⁰ UNIFORMITY OF SKIN COLOR	¹¹ SILVER SCURF		Seed Spacing	10"
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			

2022 Tablestock Potato Variety Trial

Verbrigghe Potato Farms

Planting: 6/1/22 Vine Kill: 9/15/22 Harvest: 10/13/22

GDD₄₀: 2633

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	Constance	568	643	88	3	70	18	9	1.069	0	0	0	0	0.0	4.0	3.0	3.0	3.0					
	Colomba	559	604	92	5	58	34	3	1.060	0	0	0	0	1.0	5.0	2.0	4.0	2.0					
	Paroli	495	564	88	10	72	16	2	1.062	0	0	0	0	1.0	5.0	2.5	2.0	5.0					
	Jelly	484	514	94	4	77	17	2	1.076	0	0	0	0	1.0	3.5	4.5	2.0	3.0					
	Golden Globe	422	468	90	9	80	10	1	1.075	0	20	0	0	0.0	4.5	2.5	1.0	4.0					
	Yukon Gold	411	444	93	7	76	17	0	1.084	0	0	0	0	1.0	3.0	3.0	4.0	2.0					
	W15240-2Y	405	441	92	8	92	0	0	1.070	0	0	0	0	1.0	3.0	3.0	4.0	4.0					
	Erika	398	510	78	21	78	0	1	1.069	0	0	0	0	0.0	2.5	2.5	4.0	3.0					
	Allora	366	391	93	4	65	28	3	1.070	0	10	10	0	0.0	4.0	3.5	3.0	4.0					
	W13103-2Y	318	352	90	10	77	13	0	1.071	0	0	0	0	0.0	3.5	3.0	3.0	5.0					
	MEAN	443	493	90	8	75	15	2	1.071	0	3	1	0	0.5	3.8	3.0	3.0	3.5					
RED SKIN TYPE	NDAF113484B-1	430	460	94	5	84	10	1	1.072	0	0	0	0	0.0	3.0	2.5			3.0	4.0	5.0	1.0	
	Dark Red Norland	402	420	95	5	94	1	0	1.068	0	0	0	0	0.0	4.0	2.0			4.0	3.0	1.0	3.0	some skinning
	NDA050237B-1R	376	401	93	7	81	12	0	1.062	0	0	0	0	0.0	2.5	5.0			4.0	3.0	5.0	0.0	
	CO099076-6R	281	295	95	3	79	16	2	1.076	0	0	0	0	0.0	2.5	3.5			3.0	5.0	3.0	0.0	skinning
	NDAF12143-1	244	287	85	15	83	2	0	1.079	0	0	0	0	0.0	1.5	3.5			4.0	3.0	5.0	0.0	some skinning
	MEAN	346	373	92	7	84	8	1	1.071	0	0	0	0	0.0	2.7	3.3			3.6	3.6	3.8	0.8	
NOVELTY	Blackberry	479	544	88	10	79	9	2	1.073	0	0	0	0	0.0	3.5	4.0			4.0	5.0	1.0	0.0	white splashes
	TRIAL MEAN	415	459	91	8	78	13	2	1.071	0	2	1	0	0.3	3.4	3.1	3.0	3.5	3.7	3.8	3.3	0.7	

¹SIZE

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: 7/15/22

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

⁶VINE MATURITY RATING

Date: 8/30/22

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

⁷FIELD DATA

Planting Date 6/1/22
Vine Kill Date 9/15/22
Harvest Date 10/13/22
Days (planting to vine kill) 106
Days (planting to harvest) 134
GDD₄₀ MAWN Station Escanaba
GDD₄₀ (planting to vine kill) 2633
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

2022 Early Generation Tablestock Potato Variety Trial

Walther Farms Cass City

Planting: 5/13/22 Vine Kill: 9/6/22 Harvest: 10/5/22
GDD₄₀: 3342

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		
MSI1323-07	613	688	89	10	70	19	1	1.067	0	0	0	0	1.5	2.0	2.0	3.0	4.0						very large tubers	
MSI1346-02	453	577	79	21	79	0	0	1.078	0	0	0	0	1.0	3.0	1.5	3.5	3.5						good yield, some recessed apical eyes, slight netting	
MSI1323-06	441	516	85	14	85	0	1	1.061	0	0	0	0	1.5	2.5	2.0	3.0	4.0						bright, round, some deep eyes	
MSI1320-04	366	402	92	6	89	3	2	1.057	0	0	0	0	2.5	2.0	2.5	3.0	3.0						good size, round, uniform, slight netting	
MSI1319-02	316	386	82	16	82	0	2	1.066	0	0	0	0	0.5	2.0	1.5	4.0	3.0						very bright, smooth, oval	
MSI1309-03	301	396	76	23	76	0	1	1.083	0	0	0	0	0.5	2.5	2.5	3.0	4.0						round, uniform, light netting	
MSI1344-05	290	396	73	25	73	0	2	1.075	0	0	0	0	0.5	2.5	1.5	3.0	4.0						oval type, some skinning	
MSI1309-08	261	312	84	16	84	0	0	1.079	0	10	0	0	0.5	1.5	2.0	3.0	3.0						round, uniform, light netted skin	
MSI1320-03	249	314	79	19	79	0	2	1.069	0	0	0	0	2.0	2.5	2.5	3.0	4.0						round, uniform, flat, netted	
MSI1309-06	245	315	78	20	78	0	2	1.080	0	0	0	0	1.0	2.0	1.5	3.0	3.0						uniform, smooth, some alligator hide	
WAF13058-1	242	288	84	14	84	0	2	1.071	0	0	0	0	1.0	3.0	1.5	3.0	3.0						blocky, round, light netted skin, good size	
MSI1323-04	242	279	87	10	87	0	3	1.062	0	0	0	0	1.0	1.5	2.0	3.5	3.0						smooth, round, some pointed tubers	
MSI1308-05	240	348	69	31	69	0	0	1.067	0	0	0	0	1.0	2.5	2.0	3.5	3.0						uniform, round, light netting, medium size	
MSI1306-08	218	307	71	29	71	0	0	1.070	0	0	0	0	2.0	2.0	2.5	3.0	3.0						round type, bright skin	
MSI1344-02	216	308	70	28	70	0	2	1.075	0	0	0	0	1.0	2.0	2.0	4.0	4.0						very bright, smooth skin, oval type	
MSI1306-04	207	313	66	34	66	0	0	1.062	0	0	0	0	1.0	2.5	1.5	3.0	3.0						round to oval type, prominent lenticels	
MSI1330-03	172	227	76	22	76	0	2	1.071	0	0	0	0	1.5	2.0	2.0	3.5	3.0						bright, some netting, pink eyes, variable type	
MSI1306-06	139	235	59	41	59	0	0	1.066	0	0	0	0	1.0	1.0	2.0	3.5	3.0						small tuber size	
NYT61-2	137	250	55	45	55	0	0	1.077	0	0	0	0	1.0	2.0	2.0	3.5	3.5						smooth, oval type, pink eyes	
NYT61-3	129	169	76	16	76	0	8	1.079	0	0	0	0	0.5	0.0	2.0	3.5	4.0						smooth, oval type, growth crack, pointed tubers	
MSI1328-3	119	121	98	2	98	0	0	1.076	0	0	0	0	1.0	1.5	1.0	3.5	3.0						bright, round type	
MSI1311-02	106	235	45	54	45	0	1	1.080	0	0	0	0	1.0	2.0	1.5	3.0	3.5						Small, oval, light netting	
MSI1344-06	83	249	33	67	33	0	0	1.076	0	0	0	0	0.5	2.5	1.5	3.5	4.0						uniform, round, small, some netting	
MEAN	252	332	74	24	73	1	1	1.072	0	0	0	0	1.1	2.0	1.9	3.3	3.4							
CO15113-1R	359	415	86	13	86	0	1	1.072	0	0	0	0	1.0	2.5	2.5			3.5	3.5	4.0	1.5		round type, acceptable appearance	
MSI1418-12	336	392	86	12	86	0	2	1.073	0	0	0	0	0.5	2.0	1.5			3.5	4.0	4.0	1.0		uniform, round, good color, some netting	
MSI1415-01	261	314	83	16	83	0	1	1.076	0	0	0	0	1.0	2.0	2.0			3.0	4.0	4.0	1.0		uniform, distinct red skin hue	
MSI1417-02	251	326	77	23	77	0	0	1.067	0	0	0	0	0.5	3.0	1.5			3.0	3.0	4.0	1.0		round, uniform, bright, lighter red skin	
COTX15083-1R	248	296	84	14	84	0	2	1.071	0	0	0	0	1.5	1.5	2.5			3.0	4.0	4.0	1.0		round, uniform, good color, some netting	
MSI1425-01	246	286	86	14	86	0	0	1.061	0	0	0	0	0.5	2.5	1.0			3.5	3.5	4.0	1.0		good shape, good color, slightly deep eyes	
MSI1419-05	218	263	83	12	83	0	5	1.067	0	0	0	0	0.5	1.5	2.0			3.5	4.0	4.0	1.0		nice, bright, smooth, unique red to purple skin color	
AF6693-1	186	238	78	19	78	0	3	1.068	0	0	0	0	1.0	2.0	1.0			3.5	4.0	4.0	1.0		acceptable color, marginal appearance, deeper eyes	
ND142208-9R	184	266	69	31	69	0	0	1.064	0	0	0	0	0.5	2.0	1.5			3.5	3.5	4.0	1.5		round, smooth, bright, heavy lenticels	
ND143258-7R	157	238	66	32	66	0	2	1.071	0	0	0	0	0.5	2.0	1.5			3.5	4.0	4.0	1.0		good color, small, round, uniform	
ND143248-7R	144	208	69	31	69	0	0	1.076	0	0	0	0	0.5	1.0	1.5			3.5	4.0	4.0	1.0		uniform, round, good color, darker eyes, small	
TX17802-5R	139	198	70	27	70	0	3	1.071	0	0	0	0	1.5	2.5	1.5			3.0	4.0	4.0	1.0		good color, some recessed apical eyes, variable size	
MSI1419-03	129	193	67	24	67	0	9	1.066	0	0	0	0	0.5	2.0	1.0			3.0	3.5	3.5	1.0		smooth, round, light red skin	
MSI1432-01	126	196	64	35	64	0	1	1.061	0	0	0	0	0.0	2.0	1.0			4.0	4.0	4.0	1.0		nice, round, bright, smooth	
MSI1421-10	115	161	72	17	72	0	11	1.051	0	0	0	0	0.0	1.5	1.0			3.0	4.0	4.0	2.0		smooth, round to oval type, good color, some growth crack	
MSI1432-03	65	164	40	60	40	0	0	1.055	0	0	0	0	0.5	2.0	1.0			3.5	4.0	4.0	1.0		smooth, very small tubers	
MSI1421-05	40	98	41	57	41	0	2	1.057	0	0	0	0	0.5	1.5	1.5			3.5	4.0	4.0	1.0		bright round, uniform, very small tubers	
MEAN	189	250	72	26	72	0	2	1.066	0	0	0	0	0.6	2.0	1.5			3.4	3.8	3.9	1.1			
ROUND WHITE TYPE	AF6735-2	302	341	89	10	85	4	1	1.079	0	0	0	0	1.5	2.5	2.5			3.5					large, round, recessed apical eyes, bright, slight netted skin
	AF5819-2	299	331	90	10	90	0	0	1.071	0	0	0	0	0.5	2.0	2.5			3.0					round, recessed apical ends
	AF6541-3	252	305	83	17	83	0	0	1.075	0	0	0	0	1.0	2.5	1.5			3.5					flat, round, fairly uniform
MEAN	284	326	87	12	86	1	0	1.075	0	0	0	0	1.0	2.3	2.2			3.3						
TRIAL MEAN	229	299	74	24	74	1	2	1.070	0	0	0	0	0.9	2.0	1.7			3.3	3.4	3.4	3.8	3.9	1.1	

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: 6/14/22
Rating 1-5
1: Slow emergence
5: Early emergence

⁶VINE MATURITY RATING

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

⁷FIELD DATA

Planting Date: 5/13/22
Vine Kill Date: 9/6/22
Harvest Date: 10/5/22
Days (planting to vine kill): 116
Days (planting to harvest): 145
GDD₄₀ MAWN Station: Fairgrove

2022 Replicated Tablestock Potato Variety Trial

Walther Farms

Planting: 5/13/22 Vine Kill: 9/6/22 Harvest: 10/5/22

GDD₆₀: 3418

LINE	CWT/A	PERCENT OF TOTAL ¹						RAW TUBER QUALITY ² (%)				YELLOW FLESH		RED SKIN			SILVER SCORE ¹¹	COMMENTS								
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ³	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			
YELLOW SKIN TYPE	Floridana	377	442	85	13	85	0	2	1.071	0	13	0	0	1.3	2.7	2.5	4.0	3.7								flat oval blocky type, trace of apical heat sprouting, light netting
	MSZ615-2	356	375	95	4	94	1	1	1.076	0	7	0	0	1.0	2.5	2.0	3.2	3.0								flat blocky round type, deep apical eyes
	Alaska Gold	326	388	83	8	83	0	9	1.084	0	7	30	0	1.7	2.5	2.7	3.3	2.8								non uniform, pear shaped, heat knobs
	Christel	311	409	75	24	75	0	1	1.066	0	17	0	0	0.5	3.3	2.3	3.3	4.0								flat oval type, medium netted skin, points
	MSBB343-2Y	308	351	88	8	88	0	4	1.079	0	13	0	0	0.5	2.8	2.3	3.3	3.0								blocky round type with yellow russeting, variable skin
	Golden Globe	298	402	72	19	72	0	9	1.070	0	10	0	0	1.0	2.8	1.8	3.5	3.5								pear shape, non uniform, bottleneaking
	Paroli	290	343	85	8	85	0	7	1.066	0	10	0	0	1.0	2.8	1.7	3.8	4.3								blocky oblong type, pears
	Constance	289	343	84	12	84	0	4	1.067	0	7	3	0	1.0	1.8	2.8	3.8	4.0								flat blocky round type, light netting, bright
	W15240-2Y	289	366	78	21	78	0	1	1.070	0	7	0	0	0.8	2.2	2.5	3.8	3.7								pear shape, flat oval type, points, non uniform
	Colomba	288	350	81	18	81	0	1	1.059	0	0	0	0	0.3	2.2	2.0	3.7	3.2								flat round to oval type, light netting
	AF6194-4	286	310	92	8	92	0	0	1.080	0	13	0	0	0.5	2.0	2.0	3.2	3.0								flat blocky round to oval type, medium netted skin
	Tyson	283	337	84	6	84	0	10	1.071	0	17	0	0	1.3	2.2	2.2	3.3	3.0								blocky round type, medium netting, bottleneaking
	W13103-2Y	280	325	85	15	85	0	0	1.062	0	0	0	0	0.8	2.0	1.3	3.8	4.0								round blocky type, general bright appearance
	Natascha	279	369	75	17	75	0	8	1.069	0	0	0	0	1.7	2.0	2.7	4.2	5.0								non uniform, flat oval to oblong type, light netting, points
	Acoustic	277	362	76	21	76	0	3	1.058	0	10	0	0	0.8	2.8	2.0	3.7	3.3								flat oval type, non uniform, bottleneaking, knobs, thin rough skin
	Allora	275	320	86	11	86	0	3	1.072	0	13	3	0	1.5	1.8	2.0	4.0	4.0								flat oval to oblong type, non uniform
	Camelia	272	332	82	17	82	0	1	1.067	0	17	0	0	0.5	2.3	2.2	3.7	4.3								flat oval type, non uniform, medium netting
	Jelly	270	316	85	10	85	0	5	1.083	0	17	0	0	0.5	2.3	3.7	3.0	3.2								flat blocky oval to oblong type, medium netting, sticky stolons
	Darina	251	342	73	23	73	0	4	1.075	0	17	0	0	0.7	3.3	1.3	3.7	4.7								oval type, pears, light to medium netting, non uniform
	W15234-5Y	244	307	80	20	80	0	0	1.065	0	0	7	0	0.7	2.7	1.3	3.3	5.0								medium netting, blocky round type, uniform
	AF6582-1	233	311	75	22	75	0	3	1.084	0	0	0	0	1.0	1.8	2.0	3.3	2.5								flat oval type, medium netted skin, alligator hyde
	Honey Ryder	211	360	58	34	58	0	8	1.066	0	10	0	0	0.5	2.3	2.7	3.8	4.0								bottleneaking, points, pears, non uniform
	Sound	210	398	52	43	52	0	5	1.071	0	7	0	0	0.3	2.8	2.5	3.7	4.3								light to medium netting, flat oblong to long type, points
	Ballerina	206	316	65	29	65	0	6	1.062	0	0	0	0	0.5	2.8	1.2	3.8	3.3								oblong to long type, flat oval type, non uniform, light netted skin
	Montana	206	288	72	18	72	0	10	1.070	0	0	0	0	1.3	1.8	2.3	4.2	5.0								flat blocky oblong to long type, non uniform
W15248-17Y	192	284	67	32	67	0	1	1.057	0	3	0	0	0.8	2.0	1.2	3.7	4.0								flat round to oval type, non uniform	
CO14226-3W/Y	191	314	58	41	58	0	1	1.087	0	0	0	0	0.5	3.5	2.0	3.3	5.0								small uniform round type, medium netting, trace of pink eyes	
CO09128-5W/Y	154	265	58	42	58	0	0	1.078	0	0	3	0	0.7	3.0	1.5	3.5	5.0								pink eyes, small round type, medium netting	
Erika	120	247	49	48	49	0	3	1.063	0	7	0	0	0.3	2.7	2.5	4.0	4.7								long tubular type, flat oblong type, misshapen, bright skin	
Queen Anne	114	232	50	44	50	0	6	1.065	0	0	0	0	1.0	2.0	1.5	4.0	4.7								flat oblong to long type, points and pears, nice bright skin	
Mary Ann	108	343	30	64	30	0	6	1.075	0	7	0	0	1.2	2.0	3.0	4.0	4.7								flat oval to oblong type, light netting, pears	
CO09128-3W/Y	22	136	16	84	16	0	0	1.066	0	0	0	0	0.5	1.5	2.0	3.0	3.3								extreme heat sprouting, flat round type, garbage	
	MEAN	256	339	73	23	73	0	3	1.071	0	8	1	0	0.8	2.4	2.1	3.5	3.9								
RED SKIN TYPE	NDAF113484B-1	411	434	95	3	95	0	2	1.066	0	7	0	0	0.3	2.3	2.2			3.0	4.0	4.0	1.0				uniform color, blocky round to oval type, slight skinning
	BNCG17-2	341	435	78	20	78	0	2	1.069	0	23	0	0	1.0	3.0	1.8			3.0	4.0	4.0	2.3				non uniform, flat oval type, skinning
	NDAF12238Y-2	318	378	84	15	84	0	1	1.078	0	10	0	0	0.7	2.8	2.0			3.0	2.7	3.0	2.0				non uniform color, deeper eyes, blocky round type
	NDA050237B-1R	301	356	83	14	83	0	3	1.069	0	10	0	0	0.2	2.3	3.2			3.5	4.3	4.3	1.0				flat round type, uniform, good general appearance
	BNCS59-1	300	370	81	17	81	0	2	1.074	0	0	10	0	0.3	2.2	2.0			3.2	3.8	3.7	2.7				purple skin, deep apical eye, flat blocky round to oval type
	Dark Red Norland	297	350	84	15	84	0	1	1.062	0	0	0	0	0.3	1.5	1.7			3.3	3.2	3.0	2.3				non uniform color, uniform round shape, light skin
	CO09076-6R	290	309	94	5	94	0	1	1.078	0	13	0	0	0.5	2.5	2.2			3.3	4.0	3.3	1.0				round blocky type, uniform, good general appearance
	W16030-4R	286	357	80	19	80	0	1	1.069	0	0	0	0	0.7	2.0	1.5			3.0	3.8	3.7	1.0				flat blocky oval type
	AF6289-2	285	346	83	16	83	0	1	1.066	0	0	0	0	0.3	2.7	1.7			3.0	3.7	3.3	1.3				flat round to oval to oblong type, slight alligator hyde
	W16025-5R	280	347	80	19	80	0	1	1.065	0	0	0	0	1.0	2.5	1.8			3.0	2.7	2.8	1.0				small round type, uniform, light skin
	Flamenco	280	372	74	15	74	0	11	1.070	0	13	0	0	0.2	2.5	2.3			3.5	2.8	3.5	1.0				sticky stolons, slight alligator hyde, oblong to long type, pink skin, eyebrows
	NDAF141Y-3	279	385	72	27	72	0	1	1.080	0	3	0	0	0.0	2.5	2.5			3.3	2.7	2.7	1.3				flat round type, poor color, severe skinning
	CO15113-1R	276	350	78	20	78	0	2	1.072	0	3	0	0	0.0	2.3	2.0			3.0	3.5	3.3	1.7				blocky round type, variable skin color, recessed apical end
	NDAF13296Y-4	276	302	91	8	91	0	1	1.072	0	0	0	0	0.8	2.2	1.8			3.0	3.3	3.3	1.3				flat blocky round type
	BNCG39-5	252	277	91	7	91	0	2	1.073	0	0	0	0	0.3	1.5	2.0			3.3	4.0	3.7	1.0				blocky round type
	MSCC553-1R	243	289	85	11	85	0	4	1.083	0	10	0	0	0.2	1.8	2.3			3.0	4.2	4.0	1.0				sticky stolon, deep eyes, uniform round type, trace of shatter bruise
	Autumn Rose	242	321	75	21	75	0	4	1.077	0	3	0	0	1.2	2.5	2.2			2.8	2.7	3.2	1.3				flaky pink dull skin, flat oval to oblong type, netted skin
	NDAF12143-1	239	292	82	14	82	0	4	1.071	0	0	0	0	0.7	1.8	1.7			3.0	3.7	3.0	1.0				deeper eyes, blocky round type, moderate skinning
	CO15211-5R	233	275	84	15	84	0	1	1.068	0	13	3	0	1.0	2.0	1.7			3.2	3.5	3.3	1.0				flat oval type, nice appearance
	AAF11546-3	215	337	64	31	64	0	5	1.065	0	0	0	0	0.3	2.5	2.2			3.2	4.0	4.0	1.3				flat round to oval type, uniform color, sticky stolons
	NDA8512C-1R	184	231	79	18	79	0	3	1.068	0	0	0	0	0.0	2.0	1.5			3.0	3.5	3.0	2.3				rougher round to oval type, poor appearance, trace of knobs
	W17005-3R	173	285	61	34	61	0	5	1.067	0	17	0	0	0.0	2.3	2.0										

¹SIZE

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

²SPECIFIC GRAVITY

Data is 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 lesion:

⁵VINE VIGOR RATING

Date: 6/14/22
 Rating 1-5
 1: Slow emergence
 5: Early emergence

⁶VINE MATURITY RATING

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

FIELD DATA

Planting Date	5/13/22
Vine Kill Date	9/6/22
Harvest Date	10/5/22
Days (planting to vine kill)	116
Days (planting to harvest)	145
GDD ₅₀ MAWN Station	Fairgrove
GDD ₅₀ (planting to vine kill)	3418
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

2022 Tablestock Potato Variety Trial

Walther Farms

Planting: 5/13/22 Vine Kill: 9/6/22 Harvest: 10/5/22
GDD₄₀: 3418

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	289	312	93	6	93	0	1	1.083	0	10	0	0	2.0	1.5	2.5	3.5	3.0				
	Bonafide	270	299	90	10	90	0	0	1.069	0	0	0	0	0.0	2.5	2.0	3.5	3.0				deeper eyes, inconsistent type
	TX177975-11Y/Y	166	228	73	27	73	0	0	1.097	0	0	0	0	1.5	2.0	2.5	3.0	3.0				flat round type
	ATX05202s-3W/Y	155	218	71	27	71	0	2	1.071	0	20	0	0	1.0	2.0	2.5	3.5	3.0				pointed tubers
	TX17763-2Y/Y	58	127	46	47	46	0	7	1.077	0	20	0	0	1.5	1.0	1.5	4.0	5.0				non uniform type
RED SKIN TYPE	CO15084-4R	181	280	65	31	65	0	4	1.081	0	0	0	0	0.0	1.5	2.5		3.5	5.0	5.0	1.0	nice shape and color
	CO15113-1R	179	239	75	24	75	0	1	1.076	0	0	0	0	0.0	1.5	2.0		3.0	4.0	4.0	1.0	uniform round type, variable skin color
	BTX2332-1R	138	158	87	3	87	0	10	1.065	0	0	0	0	1.0	2.5	2.5		3.0	4.0	4.0	1.0	non uniform appearance, moderate aligator hide
	NDTX12248Y-1R	108	115	94	6	94	0	0	1.064	0	0	0	0	0.0	2.0	1.0		3.0	2.5	2.5	2.0	poor appearance
	CO15211-5R	55	70	80	12	80	0	8	1.071	0	0	0	0	0.0	1.5	2.5		3.0	4.0	4.0	2.0	flat round type, uniform color
CO14040-3R	50	115	43	57	43	0	0	1.079	0	0	0	0	0.0	2.0	1.5		4.0	3.0	4.0	1.0	nice appearance and shape, smooth skin	
COTX15111-1R	23	45	51	43	51	0	6	1.068	0	0	0	0	0.5	1.5			4.0	4.0	3.5	1.0	variable skin color	
CO15115-2R	23	45	50	48	50	0	2	1.069	0	0	0	0	0.5	2.5	2.0		3.5	3.0	3.0	1.0	small round type, very few tubers	
WHITE	MSZ513-2	304	358	85	13	85	0	2	1.070	0	10	0	0	1.0	3.0	2.0	3.5					flat blocky type, bright appearance, deeper apical eyes
TRIAL MEAN		143	186	72	25	72	0	3	1.074	0	4	0	0	0.6	1.9	2.1	3.5	3.4	3.4	3.7	3.8	1.3

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: 6/14/22 Rating 1-5 1: Slow emergence 5: Early emergence	⁶ VINE MATURITY RATING Date: 8/17/22 Rating 1-5 1: Early (vines completely dead) 5: Late (vigorous vines, some flowering)	FIELD DATA Planting Date: 5/13/22 Vine Kill Date: 9/6/22 Harvest Date: 10/5/22 Days (planting to vine kill): 116 Days (planting to harvest): 145 GDD ₄₀ MAWN Station: Fairgrove GDD ₄₀ (planting to vine kill): 3418 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		