

2021 Potato Outreach Program On-Farm Variety Trials

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

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2021 Michigan Statewide Tablestock Potato Variety Trials

Overall Averages - Seven 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 RATING ⁵	VINE VIGOR ⁷	VINE MATURITY ⁸	WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷		SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹
Columba ^{abcefi}	601	670	90	7	89	1	3	1.052	0	7	2	0	0.3	3.8	1.6	3.7	2.0					heat sprouts, uniform type, bright appearance
MSX156-1Y ^{di}	539	562	96	0	86	11	3	1.067	5	0	0	0	0.6	3.5	3.8	2.4	2.7					blocky large type, buff skin
Danina ^{aei}	504	610	83	13	83	0	4	1.071	3	6	0	0	1.0	3.3	2.9	3.3	3.5					moderate alligator hide, trace pointed tubers
MSV093-1Y ^{abcefdgj}	481	523	92	6	90	2	2	1.069	0	0	0	0	0.7	3.6	3.2	2.2	2.3					medium netted skin, recessed apical ends
Floridana ^{abcefi}	471	562	83	13	83	0	4	1.064	5	11	0	0	0.6	3.3	2.6	3.4	3.0					non uniform type, misshapen pickouts
Goldfinger ^{acei}	470	630	75	19	75	0	6	1.053	0	1	5	3	0.8	3.4	3.2	3.8	2.9					smooth skin, trace heat sprouts
Allora ^{abcefi}	458	545	84	11	83	1	5	1.068	5	7	0	3	0.9	3.3	2.3	2.7	2.3					pointed tubers, light skin netting
Golden Globe ^{abcefdgj}	458	540	85	11	84	0	5	1.064	1	0	0	0	0.4	3.8	2.2	3.4	2.4					uniform type, light thin skin
Nectar ^{abdfi}	453	580	78	20	78	0	2	1.075	24	17	28	0	1.0	3.2	3.8	3.1	2.5					pink blushing around eyes, light netted skin
Christel ^{ei}	442	575	78	19	78	0	3	1.061	0	5	2	0	0.9	3.4	2.8	2.9	3.4					oblong type, trace growth crack
Albertine ^{aei}	437	547	79	9	79	0	12	1.053	5	11	13	3	1.5	3.8	1.8	2.9	3.1					severe points and pear shapes in pickouts
Prada ^{abcefdgj}	430	532	79	14	79	1	6	1.059	3	8	0	1	0.6	3.4	2.0	3.0	2.3					longer type, prominent eyes, marginal appearance
Corinna ^{acei}	428	494	87	9	87	0	4	1.054	0	6	0	0	0.5	3.0	2.4	3.1	3.0					light netting, growth cracks
W15248-17Y ^l	428	490	87	12	87	0	1	1.057	0	0	0	0	0.5	3.0	1.5	4.0	4.0					oval tubers, consistent size and shape
Tyson ^{abcefi}	421	518	81	10	81	0	9	1.070	0	11	2	2	0.9	3.5	3.3	2.7	2.1					pointed tubers, light netted skin, trace heat sprouts
MSX245-2Y ^{bcdi}	416	453	91	8	90	1	1	1.081	0	1	25	0	0.3	3.4	3.8	1.5	1.9					deeper apical eyes, netted skin
Montana ^{aei}	415	559	73	25	73	0	2	1.058	0	0	0	3	0.8	3.2	3.1	3.6	4.2					oblong type, lenticel scarring, smooth skin
Primabelle ^{abcefi}	404	565	70	24	70	0	6	1.052	0	7	3	0	0.5	3.3	1.3	3.4	2.3					trace heat sprouts, inconsistent shape
Yukon Gold^{abcefi}	403	466	87	4	86	1	9	1.079	53	1	0	2	0.7	3.1	2.0	2.8	2.2					blocky tubers, pink blushing around eyes
Constance ^{abcefi}	402	522	77	19	77	0	4	1.068	0	2	5	0	0.9	3.3	2.6	3.5	2.8					flattened type, nice smooth appearance
Melody ^{abcefdgj}	396	490	80	13	80	1	6	1.066	13	4	20	0	0.5	3.0	3.3	3.0	2.6					netted skin, growth cracks in pickouts
W15240-2Y ^{abcefi}	396	510	77	20	77	0	3	1.060	0	7	7	0	0.9	3.2	2.3	3.8	2.8					nice appearance, inconsistent tuber type
Honey Ryder ^{acei}	392	515	75	17	75	0	8	1.056	0	3	0	0	0.6	3.3	3.8	3.6	3.0					heat sprouts, attractive appearance
Queen Anne ^{abcefi}	381	563	64	34	64	0	2	1.058	0	3	0	0	0.8	2.7	2.4	4.0	3.6					oblong to long type, smooth skin
Paroli ^{abcefi}	379	495	77	8	76	1	15	1.058	0	2	0	0	0.5	4.1	2.1	3.3	3.2					growth cracks, light netted skin
AORTX09037-1W/Y ^l	374	480	78	18	78	0	4	1.084	0	7	0	0	0.2	3.7	2.2	2.2	1.8					slight growth crack, light netted skin, deep eyes
Cascada ^{acefi}	341	532	64	26	64	0	10	1.072	2	3	0	0	0.6	3.4	3.5	3.3	4.2					smaller tuber type, buff skin
Tessa ^{hi}	319	381	84	14	84	0	2	1.074	2	2	0	0	1.1	2.9	2.3	2.1	1.9					uniform buff skin
MSCC724-1Y ^{abcefi}	313	370	85	8	84	1	7	1.069	4	0	4	26	0.8	2.6	1.9	2.7	2.5					lenticel scarring, trace pointed tubers
W15248-16Y ^l	311	359	87	13	87	0	0	1.083	0	0	0	0	0.0	2.5	3.0	4.0	2.5					nice appearance
MSFF247-2Y ^l	309	380	81	17	81	0	2	1.070	0	0	0	0	1.0	2.5	2.0	3.5	1.5					deeper eyes
Excellency ^{abf}	304	451	67	23	67	0	10	1.077	0	0	0	0	0.8	2.3	2.5	3.2	2.8					non uniform type, points in pickouts
ND1241-1Y ^l	266	341	78	20	78	0	2	1.091	0	0	0	0	1.5	4.0	3.5	2.5	2.5					buff netted skin
Soprano ^{abcefi}	253	454	55	37	55	0	8	1.066	0	2	2	0	1.6	3.2	2.3	3.5	2.1					inconsistent type, trace pointed tubers
Ballerina ^f	250	390	64	29	64	0	7	1.061	0	0	0	0	0.5	4.0	1.5	3.5	3.5					buff skin type, moderate silver scurf
Mary Ann ^{ei}	200	367	55	40	55	0	5	1.073	0	2	0	0	1.4	2.1	3.8	3.9	4.0					bright skin, pointed tubers
Gourmandine ^{abcefi}	143	386	35	55	35	0	10	1.065	0	9	16	0	0.6	2.4	2.6	3.8	3.1					longer flattened type, points in pickouts
Erika ^{abefi}	134	364	34	62	34	0	4	1.064	0	3	0	0	1.0	2.7	1.8	3.4	2.8					attractive appearance, smooth skin
Tokio ^l	133	222	60	37	60	0	3	1.086	0	20	0	0	1.0	3.5	4.0	2.5	2.0					flat round to oval tuber type
Celandine ^l	92	272	34	60	34	0	6	1.069	0	0	0	0	0.3	2.7	1.7	3.5	1.5					tubular flattened type, bright appearance
MEAN	369	482	75	20	74	1	5	1.067	3	4	3	1	0.8	3.2	2.6	3.2	2.7					

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		
RED SKIN TYPE	NDA050237B-1R ^{abcdfgi}	482	542	89	10	87	1	2	1.062	0	10	0	1	0.6	3.1	4.0			3.8	3.6	4.0	2.9	uniform type, nice skin, slight skinning	
	NDAF113484B-1 ^{bcefi}	459	528	87	4	87	0	9	1.063	0	3	2	4	0.5	3.2	2.6			3.1	3.7	3.7	3.9	attractive skin color, round type, deeper eyes	
	Colorado Rose ^{abcdfgi}	438	533	82	13	82	0	5	1.071	2	20	2	2	1.1	3.0	2.6			3.4	3.6	3.3	3.5	moderate skinning, attractive skin color	
	ND1394-5R ^Y	419	442	95	4	95	0	1	1.072	0	0	0	0	1.5	3.0	2.0	2.0		2.5	3.0	2.0	5.0	nice overall appearance, light colored skin	
	CO99076-6R ^{bcdf}	411	467	88	8	88	0	4	1.070	0	12	0	0	0.8	3.0	2.6			3.5	3.9	3.8	3.6	round type, attractive skin, moderate skinning	
	Norland RP ^{abcdfgi}	405	476	84	13	82	1	4	1.060	10	7	1	0	0.4	3.4	1.8			3.0	2.9	2.6	3.3	moderate skinning, inconsistent shape	
	Ricarda ^{acei}	401	503	80	9	80	0	11	1.069	0	23	0	3	0.7	3.8	2.5			3.2	2.1	3.0	2.8	poor appearance, deeper eyes	
	Dark Red Norland ^{abcdfgi}	386	454	85	8	85	0	7	1.061	4	4	0	0	0.5	3.8	1.5			3.4	2.9	2.9	3.6	prominent eyes, less uniform type	
	86735.1 ^{ei}	377	488	77	14	77	0	9	1.072	0	19	17	0	0.3	2.6	3.9		2.0	2.3	2.5	4.2	3.7	poor appearance, medium netted skin	
	Canada Rose (CO00277-2R) ^{ei}	371	438	85	12	85	0	3	1.068	0	14	0	0	1.2	2.8	1.8			3.4	3.6	3.8	4.4	excellent color, variable shape	
	Rosemara ^{ei}	362	471	77	17	78	0	5	1.068	0	19	25	0	0.5	3.0	3.4	1.5		1.8	2.1	3.1	3.0	heavy netted skin, non uniform type	
	W15268-89R ^l	303	398	76	22	76	0	2	1.071	0	0	0	0	0.5	3.5	1.5			3.5	3.0	3.5	3.0	smooth oval tubers, uniform type	
	CO15205-4R ^l	299	336	89	11	89	0	0	1.076	0	10	0	0	0.0	3.8	2.0			3.8	3.7	3.3	4.3	uniform round type, lighter skin, slight skinning	
	CO15211-5R ^l	239	288	83	15	83	0	2	1.062	0	10	0	0	0.2	2.7	2.2			3.3	3.8	3.5	3.5	nice color, sticky stolons, trace skinning	
	ND13292B-3R ^l	236	259	91	7	91	0	2	1.062	0	20	0	0	0.0	2.5	2.0			2.5	4.0	3.0	4.0	nice skin color	
RP2009-5R ^{abcdfgi}	227	391	59	31	59	0	10	1.056	0	1	2	2	1.0	3.1	2.3	1.9		3.5	1.9	2.8	3.5	poor appearance, light skin		
ND1466CB-1R ^l	221	265	83	14	83	0	3	1.074	27	0	0	0	0.0	1.8	1.8			3.3	4.0	4.5	3.7	nice color, smaller uniform type		
CO14105-1R ^l	221	274	81	17	81	0	2	1.063	0	13	0	0	0.2	2.3	3.2			3.5	4.5	3.7	2.8	darker red skin, flattened oval type		
CO15219-3R ^l	212	312	68	31	68	0	1	1.076	0	0	0	0	0.3	2.7	2.8			3.5	3.8	3.5	3.2	small tuber type, not uniform, skinning		
CO14040-3R ^l	201	339	59	40	59	0	1	1.079	0	10	0	0	0.8	2.5	1.5			4.2	3.0	3.2	3.8	small tubers, poor appearance		
MSX324-2R ^{bcfi}	193	255	74	14	74	0	12	1.065	0	3	3	0	0.8	3.6	2.0			2.9	2.6	2.6	3.7	poor skin color, growth crack in pickouts		
CO15206-1R ^l	169	296	57	43	56	1	0	1.071	0	7	0	0	0.0	3.3	1.2			3.5	3.0	3.0	3.8	poor appearance, small non uniform tubers		
	MEAN	320	398	79	16	79	0	4	1.068	2	9	2	1	0.5	3.0	2.3	2.0		3.2	3.2	3.3	3.6		
ROUND WHITE TYPE	Volare ^{ab}	679	741	92	5	91	1	3	1.055	10	15	35	5	1.0	3.3	2.3							attractive type and skin	
	MSZ551-1 ^{bce}	568	623	91	5	88	3	4	1.074	3	7	10	7	1.5	2.5	3.5	1.7						large blocky oval tuber type	
	NYQ112-5 ^{cef}	493	587	83	14	83	0	3	1.060	0	7	0	0	0.8	3.7	2.8							thin skin, moderate skinning	
	Audrey ^{bcdfgi}	445	536	82	13	82	0	5	1.061	0	2	0	2	0.6	3.1	2.4	3.0							blocky tubers, thin skin, bright appearance
	MSBB375-1 ^{bc}	441	526	84	6	83	1	10	1.075	0	5	0	0	0.5	2.3	3.0	1.8							blocky oval type, inconsistent skin
	Algonquin ^{abcdf}	438	508	86	5	86	0	9	1.074	0	0	2	20	1.3	3.8	2.5	2.3							non uniform type, blocky type
	Reba ^{abcdfg}	416	445	94	4	88	6	2	1.068	3	0	0	5	0.4	3.3	2.9	2.7							blocky oval type, recessed eyes
	Envol ^{abcdfg}	412	459	89	7	89	1	3	1.071	0	0	0	2	0.9	3.8	1.3	2.3							heavy netted skin, deep eyes
	Abbot ^{abcdfg}	395	476	82	11	81	2	6	1.071	8	0	0	0	0.8	3.6	2.1	2.2							blocky type, less uniform, heavy skin
	NDAF102629C-4 ^{abcdfg}	385	420	90	6	90	1	3	1.070	0	3	0	2	0.4	4.1	2.6	2.5							moderate deep apical eyes, round type
Ashley ^{bcefi}	380	468	79	18	80	0	2	1.062	0	15	0	3	0.8	3.0	2.6	3.4							bright appearance, thin skin	
NVR203-1 ^{abcdf}	369	444	83	12	83	0	5	1.056	17	10	7	3	0.4	3.0	2.7	3.2							non uniform type, pointed tubers	
Superior ^{bcefi}	367	429	86	7	86	0	7	1.073	3	3	3	0	0.1	3.4	2.3	2.0							deep eyes, flattened oval type	
MSAA174-1 ^{bcd}	364	406	87	11	87	0	2	1.053	0	0	3	7	0.7	2.5	3.2	2.0							flattened blocky type	
MSBB351-1 ^{bcdg}	336	387	87	7	81	6	6	1.054	3	0	0	0	0.4	2.3	2.8	2.3							inconsistent type, pink blushing around eyes	
		433	497	86	9	85	1	5	1.065	3	4	4	4	0.7	3.2	2.6	2.5							
NOVELTY	Blackberry ^{bce}	481	617	75	22	75	0	3	1.063	0	0	0	0	0.5	3.0	3.7	0.0		3.0	5.0	5.0	3.7	chimeral white eyes, misshapen pickouts	
	TRIAL MEAN	369	463	78	17	78	1	5	1.067	3	6	3	1	0.7	3.1	2.5	2.9	2.6	3.2	3.3	3.4	3.6		

2021 TABLESTOCK VARIETY TRIAL SITES

- ¹4-L Farms
- ²Horkey Brothers
- 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

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

⁶VINE MATURITY RATING

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

⁷WAXINESS RATING

1: Heavy netting, buff
5: Waxy, smooth

⁸FLESH COLOR

1: White
5: Dark yellow

⁹SKIN COLOR

1: Light pink
5: Dark red

¹⁰UNIFORMITY OF SKIN COLOR

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

¹¹SILVER SCURF

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

2021 Tablestock Potato Variety Trial

4-L Farms

Planting: 5/12/21 Vine Kill: 10/6/21 Harvest: 11/3/21

GDD₄₀: 4081

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	
Albertine	675	785	86	5	85	1	9	1.058	0	0	50	0	2.0	4.0	2.0	3.0	3.5						dull yellow color, many points
Columba	669	744	90	6	90	0	4	1.046	0	0	10	0	1.0	4.0	2.0	4.0	3.0						severe heat sprouts, second growth, growth cracks, slight netting
Floridana	558	631	88	10	88	0	2	1.066	0	0	0	0	0.5	3.0	2.5	3.5	3.0						growth chaining, non uniform type, pale yellow skin, deep eyes
Primabelle	533	670	80	16	80	0	4	1.055	0	0	0	0	0.5	3.0	1.5	4.0	2.5						moderate scurf, less uniform type
Queen Anne	531	610	87	12	87	0	1	1.059	0	0	0	0	0.5	2.0	2.5	4.5	4.0						attractive bright appearance, slight skin netting
Nectar	524	625	84	13	84	0	3	1.078	80	0	90	0	1.0	3.5	3.5	3.0	4.0						prominent pink eyes
Prada	499	605	82	6	82	0	12	1.059	0	0	0	0	1.0	3.0	2.0	3.5	2.0						growth crack, second growth, uniform oval type
Golden Globe	497	542	92	6	92	0	2	1.065	0	0	0	0	0.5	3.5	2.0	3.5	3.0						bright appearance, trace points, moderate second growth
Danina	494	604	82	13	82	0	5	1.074	0	0	0	0	1.5	3.0	2.5	4.0	4.0						oval type, dark red skin, moderate powdery scab, trace points and growth cracks
Melody	491	576	85	10	85	0	5	1.068	0	0	0	0	1.5	4.0	3.0	2.0	3.0						heavy netted skin, trace pear shapes, tracesheep nose
Corinna	486	557	87	10	87	0	3	1.052	0	0	0	0	1.0	3.5	2.0	3.5	3.0						dull yellow skin, less uniform, slight netting, growth crack, heat sprouts
Constance	465	557	83	15	83	0	2	1.070	0	0	0	0	1.0	3.0	1.5	4.0	3.5						bright yellow skin, trace pear shapes, overall good appearance
Goldfinger	461	669	69	22	69	0	9	1.051	0	0	20	10	0.5	4.0	3.5	4.0	4.0						bright yellow skin, misshapen pickouts
Tyson	461	651	71	8	71	0	21	1.076	0	0	10	10	0.5	3.5	3.5	3.5	3.0						points, growth cracks, second growth, growth chaining
Paroli	450	637	71	4	71	0	25	1.056	0	0	0	0	1.5	4.0	2.5	4.0	3.0						inconsistent type with knobs, second growth and sheep nose
Allora	441	552	80	13	80	0	7	1.068	0	0	0	0	2.0	3.0	2.5	3.0	3.0						many pointed tubers, pale yellow skin
MSV093-1Y	425	467	91	4	90	1	5	1.072	0	0	0	0	1.0	3.0	4.0	2.5	2.0						medium netted skin, recessed apical end, sheep nose, blocky
W15240-2Y	370	471	79	15	79	0	6	1.060	0	0	20	0	1.0	3.0	2.0	5.0	4.0						less uniform, pointed tubers
MSCC724-1Y	349	426	82	6	82	0	12	1.066	0	0	0	50	1.5	2.5	1.5	3.0	3.0						slight growth crack, pink eyes
Excellency	349	455	77	15	77	0	8	1.081	0	0	0	0	1.5	2.0	3.0	2.0	2.0						less uniform type, heavy netted skin, growth chaining, secondary growth
Soprano	349	513	68	25	68	0	7	1.067	0	0	0	0	1.5	3.0	2.0	4.5	2.5						uniform oval type, trace points
Yukon Gold	339	411	82	6	82	0	12	1.077	80	0	0	0	0.5	3.0	2.5	4.0	2.5						pink eyes, blocky type
Cascada	326	489	67	25	67	0	8	1.072	0	0	0	0	0.5	3.0	2.0	4.0	4.5						round to oval, uniform type, severe growth crack
Montana	319	487	66	31	66	0	3	1.063	0	0	0	0	1.5	4.0	2.5	5.0	5.0						smooth bright skin, uniform oval type
Honey Ryder	309	451	68	19	68	0	13	1.055	0	0	10	0	0.5	3.5	4.0	3.5	3.5						second growth, light netted skin, heat sprouting
Gourmandine	228	456	50	36	50	0	14	1.065	0	0	70	0	0.5	2.5	2.0	4.5	4.0						smooth bright yellow skin, severe points
Erika	191	447	43	54	43	0	3	1.065	0	0	0	0	1.0	2.5	1.5	4.0	3.0						bright yellow skin, slight skin netting, trace pear shapes
MEAN	437	559	77	15	77	0	8	1.065	6	0	12	3	1.0	3.2	2.4	3.7	3.2						
RED SKIN TYPE	NDA050237B-1R	670	706	95	4	94	1	1	1.051	0	0	0	1.0	2.5	3.5			4.0	4.0	3.5	3.5		severe silver scurf, trace sheep nose, severe skinning
	Colorado Rose	474	564	84	13	84	0	3	1.069	0	0	10	0	0.5	3.0	1.5		3.0	4.0	4.0	3.5		severe silver scurf, inconsistent skin color
	Ricarda	447	570	78	10	78	0	12	1.066	0	20	0	1.0	4.0	2.0			2.5	3.0	3.0	4.0		points, growth cracks, trace sheep nose, pale skin
	Dark Red Norland	412	483	85	9	85	0	6	1.055	0	0	0	1.0	4.0	1.5			4.0	2.5	2.0	4.0		severe silver scurf, trace sheep nose, pale skin
	Norland RP	370	444	83	12	83	0	5	1.051	0	20	0	0.5	3.5	1.0			3.0	2.0	1.0	5.0		inconsistent skin color
	CO99076-6R	362	416	87	8	87	0	5	1.067	0	0	0	0.5	2.5	2.0			4.0	4.0	4.0	5.0		severe silver scurf, minor growth crack
	RP2009-5R	317	526	60	21	60	0	19	1.055	0	0	0	1.0	2.5	2.0			3.0	2.5	4.0	3.0		lighter skin, longer type, moderate growth cracks
MEAN	MEAN	436	530	82	11	82	0	7	1.059	0	6	1	0.8	3.1	1.9			3.4	3.1	3.1	4.0		
ROUND WHITE TYPE	Volare	763	828	92	4	91	1	4	1.057	20	0	50	0	1.0	3.0	2.5	3.0						growth crack, moderate netted skin
	Envol	533	563	95	3	95	0	2	1.069	0	0	0	0.0	4.0	1.0	2.0							heavy netted skin, deep apical eyes
	Abbot	511	589	87	8	87	0	5	1.063	40	0	0	0.5	4.0	1.5	2.0							heavy netted skin
	NYR203-1	445	510	87	7	87	0	6	1.051	10	0	20	10	0.5	3.5	2.5	3.5						less uniform tuber type
	Algonquin	429	575	75	7	74	1	18	1.065	0	0	0	1.0	3.0	3.0	3.0							smooth skin, heat sprouting, sheep nose, pointed tubers
	Reba	361	393	92	4	92	0	4	1.066	10	0	0	0.5	3.0	2.5	2.5							slight netted skin, less uniform type, slight sheep nose
	NDAF102629C-4	267	307	87	10	87	0	3	1.059	0	0	10	0.5	4.0	3.0	3.0							knobs, growth cracks, points
MEAN	MEAN	473	538	88	6	88	0	6	1.061	11	0	10	3	0.6	3.5	2.3	2.7						
TRIAL MEAN	TRIAL MEAN	443	550	80	13	80	0	7	1.063	6	1	10	2	0.9	3.2	2.3	3.5	3.2	3.4	3.1	3.1	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: 6/16/21
Rating 1-5
1: Slow emergence
5: Early emergence

⁶VINE MATURITY RATING
Date: 8/24/21
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

⁷FIELD DATA
Planting Date: 5/12/21
Vine Kill Date: 10/6/21
Harvest Date: 11/3/21
Days (planting to vine kill): 147
Days (planting to harvest): 175
GDD₄₀ MAWN Station: Kalamazoo
GDD₄₀ (planting to vine kill): 4081
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

2021 Tablestock Potato Variety Trial

Horkey Brothers

Planting: 4/30/21 Vine Kill: 9/16/21 Harvest: 10/21/21

GDD₄₀: 4004

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ² (%)				YELLOW FLESH				RED SKIN			SILVER SCURF ¹¹	COMMENTS							
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	COMMON SCAB RATING ³	VINE VIGOR ⁵	VINE MATURITY ⁶	WAXINESS ⁷	FLESH COLOR ⁸			WAXINESS ⁷	SKIN COLOR ⁹	UNIFORMITY ¹⁰				
YELLOW SKIN TYPE	MSX245-2Y	543	570	95	4	93	2	1	1.076	0	0	100	0	0.5	3.0	2.5	1.5	2.5							uniform blocky type, deeper eyes, heavy skin	
	MSV093-1Y	476	523	91	6	91	0	3	1.068	0	0	0	0	0.5	3.5	3.0	2.5	3.0							moderate alligator hide, blocky type, less uniform	
	Nectar	461	682	68	31	68	0	3	1.076	0	70	50	0	1.0	2.0	3.5	3.0	2.5							moderate alligator hide, flat oval type, pink blush eyes	
	Columba	459	534	86	11	85	1	3	1.040	0	20	0	0	0.0	3.0	1.5	3.5	2.5							severe ehat sprouts, otherwise nice appearance	
	Melody	353	475	74	16	74	0	10	1.063	0	30	60	0	0.5	3.0	3.0	3.5	3.0							nice appearance, blocky oval type, trace points in pickouts	
	Allora	352	503	70	13	70	0	17	1.061	0	40	0	0	0.0	3.0	3.0	3.0	3.0								trace points and pears, otherwise nice appearance
	Constance	352	509	69	30	69	0	1	1.063	0	10	30	0	0.5	3.0	2.5	4.0	3.0								attractive round type, smaller size profile, trace alligator hide
	Golden Globe	317	493	64	14	64	0	22	1.053	0	0	0	0	0.5	3.5	1.0	4.0	3.0								severe heat knobbing, pears, bottleneaking, non uniform type
	Excellency	315	505	62	23	62	0	15	1.068	0	0	0	0	0.5	1.5	2.0	4.0	3.5								non uniform, knobs and points in pickouts, slight alligator hide
	Floridana	302	467	65	25	65	0	10	1.051	0	40	0	0	0.5	4.0	2.0	2.0	3.0								heat knobs and sprouts, non uniform type
	Yukon Gold	295	334	88	8	88	0	4	1.065	0	0	0	0	1.0	2.0	1.0	3.5	2.5								non uniform type, severe PVY necrotic virus
	Tessa	285	353	81	18	81	0	1	1.069	0	0	0	0	1.5	2.5	2.5	1.5	2.0								non uniform type, light netted skin, poor appearance
	MSCC724-1Y	283	324	87	6	87	0	7	1.066	10	0	10	70	1.0	2.0	2.0	3.5	3.5								heat knobs, slight pear shaped tubers, some pitted scab lesions
	Primabelle	263	446	59	31	59	0	10	1.042	0	30	0	0	0.5	3.5	1.0	3.5	3.0								trace heat sprouts, non uniform shape, pears and points in pickouts
	Prada	257	351	73	24	73	0	3	1.047	0	20	0	0	0.5	3.5	1.0	3.5	3.0								oblong to long type, less uniform
Tyson	251	398	63	24	63	0	13	1.057	0	30	0	0	1.0	4.0	2.5	3.5	3.0								lots of misshapen tubers, heat knobs and sprouts, trace sticky stolons	
Soprano	238	420	57	38	57	0	5	1.062	0	10	10	0	1.0	2.5	3.0	4.0	2.0								slightly flattened oval to oblong tubers, attractive appearance	
Paroli	234	331	71	21	71	0	8	1.050	0	0	0	0	0.5	4.0	1.5	4.0	4.0								non uniform type	
W15240-2Y	210	321	65	31	65	0	4	1.047	0	40	0	0	1.0	3.0	2.0	4.0	3.5								slight alligator hide, acceptable appearance	
Queen Anne	181	423	43	54	43	0	3	1.053	0	20	0	0	1.5	2.0	2.0	5.0	4.0								moderate alligator hide	
Gourmandine	69	354	20	71	20	0	9	1.057	0	0	10	0	0.5	2.0	4.5	3.5	3.0								sticky stolons, oblong type, bright appearance, trace alligator hide	
Erika	34	201	17	80	17	0	3	1.055	0	10	0	0	0.0	2.0	2.0	3.5	3.5								trace alligator hide, buff skin, attractive appearance	
MEAN	297	433	67	26	67	0	7	1.059	0	17	12	3	0.7	2.8	2.2	3.4	3.0									
RED SKIN TYPE	CO99076-6R	541	602	90	5	90	0	5	1.066	0	50	0	0	1.0	2.0	3.0			3.0	3.5	3.0	3.5			nice skin color, uniform round shape, lots of skinning, poor appearance	
	NDA050237B-1R	520	595	87	11	87	0	2	1.058	0	50	0	0	0.5	3.0	4.0			4.0	4.0	3.5	3.5			nice color, uniform round to oval type	
	NDAF113484B-1	428	516	83	3	83	0	14	1.059	0	0	0	0	0.0	2.5	2.5			3.5	3.0	2.0	4.5			knobs, pinecones, less vibrant color, uniform color	
	Colorado Rose	358	478	75	21	75	0	4	1.063	0	80	0	0	2.0	2.5	2.0			3.0	2.5	2.0	3.5			variable skin color, lots of skinning, poor appearance	
	Dark Red Norland	323	411	79	16	79	0	5	1.054	0	20	0	0	0.0	3.5	1.5	3.0	3.0			1.5	2.0	3.0	3.0		poor appearance, non uniform color
MSX324-2R	261	336	78	14	78	0	8	1.060	0	10	0	0	1.0	3.0	2.0			2.0	2.0	2.0	2.5	4.0			growth crack, heat sprouts, poor color and appearance	
RP2009-5R	236	443	53	37	53	0	10	1.049	0	0	10	0	1.0	2.0	3.0			2.0	4.0	2.0	2.5	3.0			moderate alligator hide, very poor color and shape	
Norland RP	198	321	62	30	62	0	8	1.055	0	30	10	0	0.5	2.0	2.5			2.0	2.0	2.0	2.0	4.0			poor general appearance and color	
MEAN	358	463	76	17	76	0	7	1.058	0	29	4	0	0.8	2.6	2.6	2.0	2.0	3.1	2.6	2.6	2.6	3.6				
ROUND WHITE TYPE	Volare	596	654	91	7	91	0	2	1.053	0	30	20	10	1.0	3.5	2.0	3.5								nice appearance, attractive skin	
	MSZ551-1	559	609	92	3	92	5	5	1.068	0	20	20	10	1.5	2.0	3.5	1.0								blocky, oval type, sticky stolons, poor appearance	
	Reba	429	461	93	5	93	0	2	1.064	0	0	20	0.5	0.5	3.5	4.0	2.5								deeper eyes, blocky type	
	MSBB375-1	385	500	77	7	77	0	16	1.072	0	10	0	0	0.5	2.0	3.0	1.5								round type, inconsistent skin	
	MSBB351-1	373	416	90	6	86	4	4	1.048	0	0	0	0	1.0	1.5	2.0	1.5								blocky oval to round type, marginal appearance	
	Superior	339	395	86	7	86	0	7	1.063	0	0	0	0	0.0	3.5	3.0	1.0									flat oval type, deeper eyes
	Algonquin	332	380	87	7	87	0	6	1.068	0	0	0	20	1.5	3.5	2.5	2.5									non uniform tuber type, variable skin, slight greening
	NYR203-1	304	390	78	17	78	0	5	1.053	0	60	0	10	1.0	2.5	3.0	2.5									non uniform type, marginal appearance
	Envol	286	375	76	14	76	0	10	1.060	0	0	0	10	0.5	3.5	1.0	2.0									severe heat sprouting, non uniform flattened type
	Audrey	278	417	67	22	67	0	11	1.053	0	10	0	10	0.5	3.0	1.5	4.0									longer type, thin skin, less uniform
NDAF102629C-4	261	320	82	9	82	0	9	1.065	0	20	0	0	0.5	4.0	1.5	2.0									non uniform type, slight growth crack	
Abbot	212	324	65	29	65	0	6	1.065	0	0	0	0	0.5	3.0	2.0	1.0									non uniform, light russet skin	
Ashley	183	275	66	32	66	0	2	1.056	0	40	0	0	0.5	3.0	1.5	3.5									trace alligator hide, nice bright appearance, round to oval type	
MSAA174-1	122	162	76	22	76	0	2	1.043	0	0	0	0	1.5	2.0	3.0	2.0									small round to oval type	
MEAN	333	406	80	13	80	1	6	1.059	0	14	3	6	0.8	2.9	2.4	2.2										
NOVELTY	Blackberry	231	409	57	42	57	0	1	1.061	0	0	0	0	0.0	3.0	3.0	0.0		3.0	5.0	5.0	4.0			points and misshapen pos, chimeral white eyes	
TRIAL MEAN	317	429	72	21	72	0	7	1.059	0	18	8	4	0.7	2.8	2.4	2.8	3.0	3.1	2.8	2.8	3.7					

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: 6/11/21
Rating 1-5
1: Slow emergence
5: Early emergence

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

FIELD DATA
Planting Date 4/30/21
Vine Kill Date 9/16/21
Harvest Date 10/21/21
Days (planting to vine kill) 139
Days (planting to harvest) 174
GDD₄₀ MAWN Station Deerfield
GDD₄₀ (planting to vine kill) 4004
Seed Spacing 10"

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

⁸FLESH COLOR
1: White
5: Dark yellow

⁹SKIN

2021 Tablestock Potato Variety Trial

Jenkins Farms

Planting: 5/20/21 Vine Kill: 9/7/21 Harvest: 10/6/21
GDD₄₀: 2994

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	722	808	89	7	88	1	4	1.056	0	0	0	0	0.0	3.0	2.0	4.0	1.0						slight netted skin, prominent lenticels	
	MSV093-1Y	712	766	93	6	92	1	1	1.065	0	0	0	0	0.0	3.5	3.5	2.0	2.0						deeper apical eyes, flattened oval type	
	Montana	667	840	79	18	79	0	3	1.053	0	0	0	10	0.0	3.0	3.0	2.0	4.0						oval to oblong type, less lenticel scarring, rhizoctonia	
	Prada	650	769	84	7	84	0	9	1.061	20	10	0	10	0.0	3.0	2.5	3.0	3.0						long type, smooth skin	
	Honey Ryder	642	800	80	15	80	0	5	1.053	0	0	0	0	0.0	3.5	4.0	4.0	4.0	3.0						heat sprouts, points, netting, attractive appearance
	Queen Anne	609	771	79	19	79	0	2	1.056	0	0	0	0	0.0	3.0	2.5	3.0	3.0	3.0						oblong to long, smooth light bright skin
	Tyson	600	672	89	6	89	0	5	1.067	0	0	0	0	1.0	3.5	3.5	3.0	2.0						less uniform type, thin skin, pears and points	
	Primabelle	598	751	80	12	80	0	8	1.048	0	0	10	0	0.0	3.5	2.0	2.0	1.0						moderate alligator hide, inconsistent shape	
	Goldfinger	593	738	80	12	80	0	8	1.052	0	0	0	0	0.0	3.0	2.5	4.0	2.0						bright smooth skin, trace heat sprouts and greening	
	Allora	583	647	90	9	86	4	1	1.067	30	0	0	20	0.0	3.0	1.5	3.0	3.0						large flattened tuber type, trace points and pears	
	Golden Globe	582	663	87	7	86	1	6	1.062	10	0	0	0	0.0	4.0	2.0	3.0	1.0						oval type, lenticels, points, misshapen pickouts	
	Danina	570	671	85	9	85	0	6	1.066	0	10	0	0	0.0	3.5	3.5	3.0	4.0						moderate skinning	
	Floridana	567	641	88	11	88	0	1	1.063	10	0	0	0	0.0	3.0	2.5	4.0	3.0						smooth skin, consistent shape	
	W15240-2Y	555	695	80	18	80	0	2	1.061	0	0	0	0	0.0	3.0	3.0	2.0	2.0						rough skin, attractive round shape, poor skin finish	
Paroli	534	644	83	4	81	2	13	1.056	0	0	0	0	0.0	4.0	2.5	2.0	3.0						light netted skin, lenticel scars, growth crack in pickouts		
Yukon Gold	514	631	81	3	78	3	16	1.081	60	0	0	0	0.0	3.0	2.0	2.0	2.0	2.0						knobs and misshapen pickouts, uniform type	
MSCC724-1Y	490	576	85	4	82	3	11	1.070	10	0	10	10	0.5	3.0	2.5	2.0	2.0						lenticel scarring, inconsistent blocky oval type		
Cascada	489	698	70	19	70	0	11	1.070	0	0	0	0	0.0	3.5	4.0	2.0	4.0						smaller inconsistent type		
Constance	478	617	77	15	77	0	8	1.066	0	0	0	0	0.0	3.5	3.5	4.0	3.0						attractive smooth appearance		
MSX245-2Y	477	535	89	10	87	2	1	1.081	0	0	0	0	0.0	3.0	4.5	1.0							compressed shape, poor skin finish, deep eyes		
Melody	447	583	77	15	77	0	8	1.057	90	0	0	0	0.0	2.0	3.0	2.0	2.0						pink eye disease, inconsistent type		
Corinna	395	449	88	5	88	0	7	1.045	0	0	0	0	0.0	2.5	2.5	2.0	3.0						light netted skin, poor appearance		
Albertine	303	373	81	10	81	0	9	1.040	20	0	0	0	0.0	3.5	2.0	3.0	3.0						significant lenticel scarring, bottlenecks		
MEAN	555	667	83	10	82	1	6	1.061	11	1	1	2	0.1	3.2	2.8	2.7	2.5								
RED SKIN TYPE	Colorado Rose	702	821	85	10	85	0	5	1.075	10	0	0	10	0.0	3.0	3.5			4.0	5.0	4.0	3.0		skinning, sticky stolons, lenticel scarring, nice color	
	NDAF113484B-1	574	660	87	3	86	1	10	1.059	0	0	10	0	0.0	3.0	2.5			2.0	4.0	4.0	3.0		attractive color, prominent eyes, moderate skinning	
	NDA050237B-1R	518	593	87	9	87	0	4	1.068	0	0	0	0	0.0	2.0	4.0			3.5	4.0	5.0	4.0		uniform round attractive type, slight skinning	
	Ricarda	428	531	81	7	81	0	12	1.069	0	0	0	0	0.0	3.5	2.5			4.0	2.0	2.0	2.0		non uniform skin, lenticels, prominent eyes	
	CO99076-6R	417	497	84	8	84	0	8	1.068	0	0	0	0	0.0	3.0	3.0			4.0	4.0	4.0	3.0		severe skinning, round type, trace points	
	Norland RP	381	483	79	11	79	0	10	1.058	20	0	0	0	0.0	3.5	1.5			3.0	3.0	3.0	2.5		moderate skinning, prominent eyes, inconsistent shape	
Dark Red Norland	316	417	76	9	76	0	15	1.060	10	0	0	0	0.0	3.5	2.0			3.0	4.0	4.0	2.0	4.0		prominent eyes, sl skinning, less uniform	
MEAN	476	572	83	8	83	0	9	1.065	6	0	1	1	0.0	3.1	2.7			3.4	3.7	3.4	3.1				
ROUND WHITE TYPE	NYQ112-5	718	836	86	12	86	0	2	1.056	0	0	0	0	0.0	3.5	3.0	3.0							thin skin, moderate skinning, oval type	
	MSZ551-1	693	769	90	3	86	4	7	1.078	10	0	10	10	0.0	2.5	3.5	2.0							large blocky type, poor appearance	
	NDAF102629C-4	601	621	97	2	94	3	1	1.076	0	0	0	0	0.0	3.0	3.0	2.0							attractive round type, some lenticels, some deep apical eyes	
	Audrey	586	665	88	7	88	0	5	1.059	0	0	0	0	0.0	3.0	2.5	3.0							thin skin, oblong tubular type, misshapen pickouts	
	MSAA174-1	535	596	90	6	90	0	4	1.053	0	0	10	0	0.0	3.5	3.5	1.0							flat blocky type, severe lenticel scarring	
	NVR203-1	522	615	85	9	85	0	6	1.050	90	0	10	0	0.0	3.0	2.5	3.0							oblong to long type, growth crack in pickouts	
	Reba	511	551	93	6	93	0	1	1.063	0	0	0	10	0.0	3.0	2.5	3.0							blocky oval type, recessed eyes on larger potatoes	
	MSBB375-1	497	552	90	6	89	1	4	1.079	0	0	0	0	0.5	2.5	3.0	2.0							blocky oval type	
	MSBB351-1	489	581	84	6	81	3	10	1.053	10	0	0	0	0.0	2.0	3.0	3.0							less uniform type, pink hue on skin and eyes	
	Envol	472	531	89	9	89	0	2	1.072	0	0	0	0	0.0	3.5	1.5	2.0							netted skin, round type	
	Ashley	447	526	85	11	85	0	4	1.062	0	0	0	10	0.0	2.5	3.0	3.0							bright oval type, trace skinning and sticky stolons	
Abbot	442	509	87	10	87	0	3	1.067	10	0	0	0	0.0	3.5	2.0	2.0							bright appearance, oblong to long type		
Algonquin	427	500	85	3	85	0	12	1.074	0	0	10	30	0.0	4.0	2.0	1.0							non uniform shape, recessed eyes, skinning		
Superior	411	497	83	7	83	0	10	1.069	0	0	10	0	0.0	3.5	2.5	2.0							deep eyes, less uniform type		
MEAN	525	596	88	7	87	1	5	1.065	9	0	4	4	0.0	3.1	2.7	2.3									
NOVELTY	Blackberry	679	812	84	12	83	1	4	1.062	0	0	0	0	0.0	3.0	4.0			2.0	5.0	5.0	2.0			
TRIAL MEAN	536	633	85	9	84	1	6	1.063	9	0	2	3	0.0	3.1	2.8	2.5	2.5		3.2	3.9	3.6	2.9			

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: 7/6/21 Rating 1-5 1: Slow emergence 5: Early emergence	⁶ VINE MATURITY RATING Date: 8/24/21 Rating 1-5 1: Early (vines completely dead) 5: Late (vigorous vines, some flowering)	FIELD DATA Planting Date: 5/20/21 Vine Kill Date: 9/7/21 Harvest Date: 10/6/21 Days (planting to vine kill): 110 Days (planting to harvest): 139 GDD ₄₀ MAWN Station: Arlene GDD ₄₀ (planting to vine kill): 2994 Seed Spacing: 10"
⁷ WAXINESS RATING 1: Heavy netting, buff 5: Waxy, smooth	⁸ FLESH COLOR 1: White 5: Dark yellow	⁹ SKIN COLOR 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		

2021 Mini Bulk Tablestock Potato Variety Trial

Kitchen Farms

Planting: 5/26/21 Vine Kill: 8/25/21 Harvest: 10/7/21
GDD₄₀: 3212

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	MSX156-1Y	545	579	94	2	92	2	4	1.065	10	0	0	0	1.0	3.0	4.0	3.0	3.5					blocky round type, growth cracks, deep apical eyes uniform blocky oblong type less uniform flattened type, deeper eyes severe powdery scab, poor general appearance
	Golden Globe	486	577	84	16	84	0	0	1.062	0	0	0	0	1.5	3.5	2.0	4.0	3.0					
	MSX245-2Y	451	485	93	6	92	1	1	1.087	0	0	0	0	0.5	3.5	4.5	2.0	1.5					
	Prada	364	518	70	24	70	0	6	1.060	0	20	0	0	1.5	3.5	2.0	3.5	3.0					
	MEAN	461	540	85	12	85	1	3	1.068	3	5	0	0	1.1	3.4	3.1	3.1	2.8					
RED SKIN TYPE	Colorado Rose	444	523	85	11	85	0	4	1.073	0	20	0	0	1.5	3.0	3.5			3.0	2.5	3.5	5.0	flat oval type, bright color, severe silver scurf severe powdery scab, uniform color
	CO99076-6R	420	464	91	8	91	0	1	1.076	0	0	0	0	1.5	4.0	3.0			3.5	4.0	4.5	4.5	
	MEAN	432	494	88	10	88	0	3	1.075	0	10	0	0	1.5	3.5	3.3			3.3	3.3	4.0	4.8	
WHITE	NDAF102629C-4	360	397	91	6	91	0	3	1.081	0	0	0	0	1.0	4.5	2.5	2.5						uniform blocky type, bright appearance
	TRIAL MEAN	439	506	87	10	86	0	3	1.072	1	6	0	0	1.2	3.6	3.1	3.0	2.8	3.3	3.3	4.0	4.8	

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:	Date:	Planting Date
Bs: < 1 7/8"		HH: Hollow Heart	1.0: Presence of surface lesions	Rating 1-5	Rating 1-5	Vine Kill Date
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
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)
PO: Pickouts		BC: Brown Center	4.0: Pitted lesions severe on tubers			91
			5.0: More than 50% of tuber surface area covered in pitted lesions			Days (planting to harvest)
						134
						GDD ₄₀ MAWN Station
						3212
						GDD ₄₀ (planting to vine kill)
						Seed Spacing
						10"

⁷ WAXINESS RATING	⁸ FLESH COLOR	⁹ SKIN COLOR	¹⁰ UNIFORMITY OF SKIN COLOR	¹¹ SILVER SCURF
1: Heavy netting, buff	1: White	1: Light pink	1: Highly variable, non-uniform	0: No incidence of silver scurf
5: Waxy, smooth	5: Dark yellow	5: Dark red	5: Highly uniform, color throughout	5: High incidence of silver scurf

2021 Strip Tablestock Potato Variety Trial Kitchen Farms

Planting: 5/26/21 Vine Kill: 8/25/21 Harvest: 10/7/21
GDD_{eq}: 3212

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			COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC			VIGOR ⁵	MATURITY ⁶	WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷	SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹		
YELLOW SKIN TYPE	Columba	650	742	88	12	88	0	0	1.053	0	10	0	0	0	0.5	3.5	1.0	3.5	2.0					blocky oval type
	Danina	522	660	79	19	79	0	2	1.074	10	0	0	0	2.0	3.5	3.0	3.5	3.0					trace alligator hide, blocky oblong type	
	Floridana	522	590	88	11	88	0	1	1.070	0	10	0	0	1.0	3.5	2.5	3.5	2.5					uniform oval to oblong type	
	Nectar	503	652	77	20	77	0	3	1.075	10	0	0	0	1.5	3.5	3.5	3.0	2.0					flattened oblong type, pink blushed eyes	
	Corinna	474	573	83	17	83	0	0	1.057	0	0	0	0	0.5	3.0	2.5	4.0	3.0					oval to oblong type, bright attractive appearance	
	Christel	467	632	74	24	74	0	2	1.063	0	10	0	0	1.0	3.5	3.0	2.5	3.5					oblong type	
	Goldfinger	449	645	70	27	70	0	3	1.056	0	0	0	0	2.0	3.0	3.0	4.0	3.0					oblong type, bright appearance	
	Honey Ryder	437	575	76	20	76	0	4	1.058	0	0	0	0	1.0	3.5	3.0	4.0	2.5					oblong type	
	Constance	432	570	76	22	76	0	2	1.071	0	0	0	0	2.5	3.0	3.0	2.5	3.0					bright general appearance	
	Yukon Gold	421	489	86	5	86	0	9	1.085	70	0	0	10	1.0	3.5	2.5	2.0	2.0	2.0					Flat, oval to oblong type, pink eyes
	MSV093-1Y	414	471	88	9	88	0	3	1.065	0	0	0	0	3.0	3.5	3.5	3.0	2.5					non uniform tuber type	
	W15240-2Y	400	531	75	24	75	0	1	1.057	0	0	0	0	3.0	3.0	1.5	3.5	3.0					chevroning, inconsistent tuber type	
	Allora	387	470	82	16	82	0	2	1.065	0	0	0	0	2.0	3.0	2.5	1.5	1.5					variable shape	
	Melody	380	501	76	18	76	0	6	1.066	0	0	0	0	1.0	2.5	2.5	4.0	2.5					points and growth cracks in pickouts, less uniform	
	Tyson	378	455	83	9	83	0	8	1.071	0	20	0	0	1.0	3.0	3.5	2.0	2.0					pear shapes in pickouts	
	Paroli	366	499	73	10	73	0	17	1.059	0	0	0	0	0.5	4.0	1.0	4.0	3.0					growth cracks in pickouts, non uniform type	
	Montana	330	458	72	26	72	0	2	1.058	0	0	0	0	0.5	2.5	3.5	4.0	3.5					oblong to long type	
	Albertaine	328	513	64	19	64	0	17	1.054	0	20	0	10	3.0		1.5	3.0	2.5					severe points and pear shapes in pickouts	
	MSCC724-1Y	267	319	84	14	84	0	2	1.073	0	0	0	0	0.5	3.0	1.5	2.5	2.0					uniform round to oval type	
	Primabelle	236	436	54	45	54	0	1	1.054	0	0	0	0	0.5	3.0	1.0	3.5	2.0					small oval uniform type	
Cascada	210	461	46	44	46	0	10	1.071	10	10	0	0	1.5	3.0	4.0	4.0	4.0					smaller oval to oblong type, non uniform, lots of growth cracks		
Soprano	205	433	47	44	47	0	9	1.065	0	0	0	0	2.5	3.0	2.0	3.5	2.5					poor appearance, oblong to long flattened type		
Mary Ann	182	350	52	44	52	0	4	1.072	0	0	0	0	2.0	1.5	3.5	4.0	4.0					points and pears in pickouts, attractive skin		
Queen Anne	111	384	29	68	29	0	3	1.061	0	0	0	0	1.0	3.0	2.0	3.5	3.5					oblong to long type, bright appearance		
Gourmandine	69	299	23	59	23	0	18	1.065	0	20	0	0	0.5	2.0	2.0	4.5	3.0					pointed elongated type		
Erika	61	361	17	75	17	0	8	1.061	0	0	0	0	1.5	3.0	1.5	3.5	2.0					non uniform tuber type		
MEAN	354	503	68	27	68	0	5	1.065	4	4	0	1	1.4	3.1	2.5	3.3	2.7							
RED SKIN TYPE	Norland RP	569	639	89	5	89	0	6	1.063	40	0	0	0	2.0	3.0	1.5			3.0	2.5	2.5	5.0	severe powdery scab, poor appearance, severe prominent eyes	
	NDA050237B-1R	497	588	85	14	85	0	1	1.067	0	10	0	10	1.5	3.0	3.5			4.0	3.0	3.0	4.5	severe powdery scab, attractive uniform color but poor appearance	
	86735.1	485	612	79	11	79	0	10	1.068	0	10	10	0	0.5	2.0	3.5			3.5	2.0	4.0	4.5	medium netted skin, poor appearance	
	Dark Red Norland	470	556	85	5	85	0	10	1.066	10	0	0	0	2.0	3.5	1.5			3.5	3.0	2.0	5.0	severe powdery scab, poor appearance, moderate prominent eyes	
	NDAF113484B-1	413	452	91	4	91	0	5	1.064	0	0	0	10	2.0	2.5	3.5			3.5	4.0	4.0	4.0	consistent round type, good skin color, trace points	
	Rosemara	400	549	73	23	73	0	4	1.068	0	10	50	0	1.0	2.5	3.0			2.0	2.0	3.0	3.0	non uniform type, poor appearance	
	Canada Rose (CO00277-2R)	378	456	83	14	83	0	3	1.069	0	10	0	0	2.0	2.0	1.5			3.5	3.5	3.5	5.0	severe powdery scab, attractive color, variable shape	
	Ricarda	361	470	77	11	77	0	12	1.068	0	30	0	0	1.5	3.5	3.0			4.0	1.5	3.0	2.5	poor appearance, pear shapes, deep apical eyes	
	RP2009-5R	239	345	69	25	69	0	6	1.058	0	0	0	10	2.0	3.5	2.5		2.0	4.0	2.0	3.0	4.0	severe powdery scab, poor appearance, non uniform type	
MSX324-2R	232	301	77	13	77	0	10	1.060	0	10	0	0	1.0	3.5	2.5			3.5	3.5	2.5	3.0	poor appearance, growth cracks in pickouts		
MEAN	404	497	81	13	81	0	7	1.065	5	8	6	3	1.6	2.9	2.6		2.0	3.5	3.5	2.7	3.1	4.1		
ROUND WHITE TYPE	Audrey	528	587	90	10	90	0	0	1.064	0	0	0	0	2.0	3.0	2.5	3.0						long tubular type, light skin	
	Algonquin	503	556	90	5	90	0	5	1.080	0	0	0	20	2.0	4.0	2.5	2.0						blocky oval type	
	MSZ551-1	452	492	92	8	91	1	0	1.075	0	0	0	0	3.0	3.0	3.5	2.0						uniform round type	
	Reba	449	478	94	4	94	0	2	1.071	0	0	0	0	0.5	3.5	3.0	2.5						blocky oval to oblong type	
	Ashley	445	514	87	11	87	0	2	1.064	0	20	0	0	1.0	2.5	2.0	3.5						inconsistent tuber type	
	MSAA174-1	435	461	94	5	94	0	1	1.063	0	0	0	20	0.5	2.0	3.0	3.0						flattened round to oval type	
	NYR203-1	397	471	84	10	84	0	6	1.062	0	0	0	0	0.5	2.5	3.0	3.5						non uniform type, moderate pointed tubers	
	NYQ112-5	387	471	82	15	82	0	3	1.059	0	20	0	0	2.0	3.0	3.5	3.5						variable type, thin skin	
Abbot	361	417	87	11	87	0	2	1.072	0	0	0	0	1.0	4.0	2.5	3.0						flat to oblong type, marginal appearance		
Envol	339	395	86	9	86	0	5	1.073	0	0	0	0	1.0	3.5	1.0	3.5						non uniform type, deep eyes, poor appearance		
Superior	296	354	84	11	84	0	5	1.075	10	10	0	0	0.5	2.0	2.0	3.0						deep eyes, less uniform type		
MEAN	417	472	88	9	88	0	3	1.069	1	5	0	4	1.3	3.0	2.6	3.0								
NOVELTY	Blackberry	533	630	85	12	85	0	3	1.065	0	0	0	0	1.5	3.0	4.0			4.0	5.0	5.0	5.0	severe silver scurf, chimeral white eyes	
TRIAL MEAN	383	497	75	20	76	0	5	1.066	3	5	1	2	1.4	3.0	2.6	3.2	2.7	3.5	2.9	3.2	4.1			

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: 7/6/21 Rating 1-5 1: Slow emergence 5: Early emergence	⁶ VINE MATURITY RATING Date: 8/24/21 Rating 1-5 1: Early (vines completely dead) 5: Late (vigorous vines, some flowering)	FIELD DATA Planting Date: 5/26/21 Vine Kill Date: 8/25/21 Harvest Date: 10/7/21 Days (planting to vine kill): 91 Days (planting to harvest): 134 GDD _{eq} MAWN Station: Kalkaska GDD _{eq} (planting to vine kill): 3212 Seed Spacing: 10"
⁷ WAXINESS RATING 1: Heavy netting, buff 5: Waxy, smooth	⁸ FLESH COLOR 1: Light pink 5: Dark yellow	⁹ SKIN COLOR 1: Light pink 5: Dark red	¹⁰ UNIFORMITY OF SKIN COLOR 1: White 5: Highly uniform, color throughout	¹¹ SILVER SCURF 0: No incidence of silver scurf 5: High incidence of silver scurf		

2021 Tablestock Potato Variety Trial

Styma Potato Farms

Planting: 5/21/21 Vine Kill: 8/31/21 Harvest: 9/27/21
GDD₄₀: 2773

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 SCORE ¹¹
YELLOW SKIN TYPE	Columba	676	740	91	4	87	4	5	1.060	0	0	0	0	0.5	4.5	1.5	4.0	1.0				uniform type, large blocky oval type, buff skin
	Floridana	597	701	85	12	85	0	3	1.074	20	0	0	0	1.5	3.5	3.0	4.0	3.0				nice uniform oval type, slight deep apical eyes
	Allora	561	619	91	9	91	0	0	1.083	0	0	0	0	1.5	4.0	2.5	3.0	2.0				inconsistent skin finish
	Yukon Gold	529	578	92	2	92	0	6	1.086	90	0	0	0	1.0	4.0	2.0	2.5	2.0				large blocky oval type, less uniform
	Nectar	515	598	86	13	86	0	1	1.078	30	0	0	0	1.5	4.0	4.0	3.0	2.0				pink blushing around eyes, light netted skin, bright appearance
	M5V093-1Y	466	509	91	5	91	0	4	1.079	0	0	0	0	0.5	4.5	3.0	2.0	2.0				medium netted skin, flattened type
	Golden Globe	450	551	82	17	82	0	1	1.071	0	0	0	0	0.5	4.5	2.5	4.0	2.0				uniform oval type, bright smooth skin, nice appearance
	Tyson	423	483	88	6	88	0	6	1.075	0	0	0	0	1.0	3.5	3.0	2.0	1.5				points and pears in pickouts
	Queen Anne	415	658	63	34	63	0	3	1.060	0	0	0	0	1.0	3.5	3.0	4.0	3.5				long type, smooth, nice appearance
	Paroli	392	521	75	8	75	0	17	1.063	0	0	0	0	1.0	4.5	2.5	3.0	2.0				bottle-necks, misshapen pickouts, light netted skin
	Constance	376	481	78	19	78	0	3	1.073	0	0	0	0	1.0	4.0	2.0	3.5	1.5				flattened oval type, nice appearance
	Primabelle	374	543	69	25	69	0	6	1.060	0	0	0	0	1.0	3.5	1.5	3.5	2.0				less uniform type, heavier buff skin
	Cascada	365	573	64	21	64	0	15	1.076	0	0	0	0	0.5	4.0	3.5	3.0	4.5				severe growth crack, non uniform
	W15240-2Y	357	480	74	23	74	0	3	1.068	0	0	0	0	0.5	4.0	2.5	4.0	1.0				less uniform, light netted skin
	Prada	312	440	71	21	71	0	8	1.061	0	0	0	0	1.0	3.5	3.0	2.0	1.5				oblong to long type like a long russet, slight flattened type
Melody	258	342	75	23	75	0	2	1.065	0	0	0	0	0.5	3.5	3.5	3.0	2.0				less uniform type, buff skin	
Ballerina	250	390	64	29	64	0	7	1.061	0	0	0	0	0.5	4.0	1.5	3.5	3.5				buff skin type, moderate silver scurf	
Excellency	249	392	63	30	63	0	7	1.082	0	0	0	0	0.5	3.5	2.5	3.5	3.0				light netted skin, inconsistent type	
Gourmandine	222	527	42	53	42	0	5	1.069	0	0	0	0	1.5	3.0	3.0	3.5	3.0				long flattened type	
Soprano	198	399	50	45	50	0	5	1.070	0	0	0	0	2.5	4.0	2.0	2.5	2.0				inconsistent type	
Erika	152	380	40	60	40	0	0	1.072	0	0	0	0	2.0	3.0	2.5	3.0	3.0				smooth skin, small tubers, long type	
MEAN	387	519	73	22	73	0	5	1.071	7	0	0	0	1.0	3.8	2.6	3.2	2.3					
RED SKIN TYPE	NDAF113484B-1	463	533	87	5	87	0	8	1.070	0	10	0	10	0.5	4.5	2.5		3.0	4.0	4.5	4.0	uniform type, trace points and deep apical eyes
	NDA050237B-1R	434	505	86	13	86	0	1	1.065	0	0	0	0	0.0	4.5	4.0		3.5	4.5	4.5	3.5	uniform round tuber type, some skinning, nice appearance
	Norland RP	347	402	86	13	86	0	1	1.063	10	0	0	0	0.0	4.5	2.5		3.0	4.0	2.0	3.0	non uniform skin, deep eyes, scurf
	Dark Red Norland	341	401	85	8	85	0	7	1.062	10	0	0	0	0.0	4.5	1.5		3.0	4.0	3.0	5.0	non uniform type, prominent eyes, misshapen pickouts
	Colorado Rose	329	436	76	19	76	0	5	1.074	0	10	0	0	2.5	3.5	2.5		3.5	4.5	3.0	2.0	uniform skin
RP2009-5R	216	434	50	39	50	0	11	1.060	0	0	0	0	0.5	4.0	2.0		3.5	1.0	2.0	4.5	pears, points, inconsistent skin color	
MEAN	355	452	78	16	78	0	6	1.066	3	3	0	2	0.6	4.3	2.5		3.3	3.7	3.2	3.7		
ROUND WHITE TYPE	NDAF102629C-4	573	601	95	3	94	1	2	1.073	0	0	0	0	0.5	5.0	2.5	3.0					blocky type, bright appearance slight growth crack
	Algonquin	498	529	94	2	94	0	4	1.084	0	0	0	30	2.0	4.5	2.5	3.0					large round blocky type
	Envol	461	495	93	6	93	0	1	1.081	0	0	0	0	2.0	4.5	1.0	2.0					med netted skin, deeper apical eyes
	Ashley	443	557	80	19	80	0	1	1.064	0	0	0	0	1.5	4.0	4.0	3.5					flattened type, thin skin
	Superior	421	469	90	4	90	0	6	1.085	0	0	0	0	0.0	4.5	1.5	2.0					deep eyes, oval type, points in pickouts
	Reba	414	444	93	5	93	0	2	1.073	10	0	0	0	1.0	4.5	2.5	3.0					flattened blocky type
	Abbot	409	538	76	12	76	0	12	1.080	0	0	0	0	0.5	4.5	1.5	3.0					less uniform type, slight prominent eyes
	Audrey	385	454	85	14	85	0	1	1.068	0	0	0	0	0.5	3.5	2.5	2.0					oblong type, lenticel scarring, smooth appearance
NYQ112-5	373	455	82	14	82	0	4	1.066	0	0	0	0	0.5	4.5	2.0	4.0					uniform type, trace skinning	
NYR203-1	244	326	75	18	75	0	7	1.060	0	0	0	0	0.0	4.0	2.0	3.0					lots of pears and points	
MSBB351-1	198	257	77	16	77	0	7	1.056	0	0	0	0	0.5	3.5	2.0						blushing around eyes	
MEAN	402	466	85	10	85	0	4	1.072	1	0	0	3	0.8	4.3	2.2	2.9						
TRIAL MEAN	386	493	77	18	77	0	5	1.070	4	1	0	1	0.9	4.0	2.5	3.1	2.3	3.3	3.7	3.2	3.7	

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: 7/8/21
Rating 1-5
1: Slow emergence
5: Early emergence

⁶VINE MATURITY RATING
Date: 8/31/21
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

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

⁸FLESH COLOR
1: White
5: Dark yellow

⁹SKIN COLOR
1: Light pink
5: Dark red

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

¹¹SILVER SCORE
0: No incidence of silver scurf
5: High incidence of silver scurf

FIELD DATA
Planting Date 5/21/21
Vine Kill Date 8/31/21
Harvest Date 9/27/21
Days (planting to vine kill) 102
Days (planting to harvest) 129
GDD₄₀ MAWN Station Hawks
GDD₄₀ (planting to vine kill) 2773
Seed Spacing 10"

2021 Tablestock Potato Variety Trial

Verbrigghe Potato Farms

Planting: 6/2/21 Vine Kill: 9/1/21 Harvest: 10/4/21
GDD₄₀: 2424

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	
YELLOW SKIN TYPE	Prada	611	630	97	2	92	5	1	1.063	0	0	0	0	0.0	4.0	2.5	3.0	2.0					Long blocky tubers
	MSV093-1Y	494	508	98	2	90	8	0	1.065	0	0	0	0	0.0	2.5	3.5							
	Melody	485	536	91	7	87	4	2	1.075	0	0	0	0	0.0	3.0	3.5	4.0	3.0					
	Golden Globe	416	447	93	3	92	1	4	1.066	0	0	0	0	0.0	4.0	3.5	2.0	2.0					
	Paroli	331	443	74	6	68	6	20	1.060	0	10	0	0	0.0	4.0	2.5	3.0	4.0					Deep eyes
	MEAN	467	513	91	4	86	5	5	1.066	0	2	0	0	0.0	3.5	3.1	3.0	2.8					
RED SKIN TYPE	NDA050237B-1R	490	519	95	4	86	9	1	1.063	0	0	0	0	1.0	4.0	5.0			4.0	2.0	5.0	0.0	Skinning
	Norland RP	488	516	95	4	85	10	1	1.063	0	0	0	0	0.0	4.0	2.0			4.0	3.0	5.0	0.0	Skinning
	Dark Red Norland	471	506	94	5	91	3	1	1.063	0	0	0	0	0.5	4.0	1.0			4.0	2.0	5.0	0.0	
	MEAN	483	514	95	4	87	7	1	1.063	0	0	0	0	0.5	4.0	2.7			4.0	2.3	5.0	0.0	
ROUND WHITE TYPE	Abbot	437	478	91	4	81	10	5	1.079	0	0	0	0	2.0	2.5	3.0							Blocky, non-uniform type
	Envol	381	394	97	3	93	4	0	1.074	0	0	0	0	2.0	4.0	2.5							
	Reba	335	342	98	2	63	35	0	1.074	0	0	0	0	0.0	2.5	3.0							
	MSBB351-1	286	297	97	2	79	18	1	1.060	0	0	0	0	0.0	2.0	4.0							
	NDAF102629C-4	249	275	90	9	90	0	1	1.065	0	0	0	0	0.0	4.0	3.0							
	MEAN	313	327	96	4	81	14	1	1.068	0	0	0	0	0.5	3.1	3.1							
TRIAL MEAN	420	451	93	4	85	9	3	1.066	0	1	0	0	0.3	3.5	3.0	3.0	2.8	4.0	2.3	5.0	0.0		

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: 7/9/21
Rating 1-5
1: Slow emergence
5: Early emergence

⁶VINE MATURITY RATING

Date: 8/31/21
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date: 6/2/2021
Vine Kill Date: 9/1/2021
Harvest Date: 10/4/2021
Days (planting to vine kill): 91
Days (planting to harvest): 124
GDD₄₀ MAWN Station: Escanaba
GDD₄₀ (planting to vine kill): 2424
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

2021 Tablestock Potato Variety Trial Walther Farms Early Generation Selection

Planting: 5/7/21 Vine Kill: 8/21/21 Harvest: 9/30/21

GDD₄₀: 3220

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	VINE VIGOR ⁴	VINE MATURITY ⁵	WAXINESS ⁶	FLESH COLOR ⁷	WAXINESS ⁵	SKIN COLOR ⁸		UNIFORMITY ⁹	SILVER SCURF ¹⁰	
YELLOW SKIN TYPE	WAF13058-1	461	552	83	5	82	1	12	1.075	0	0	0	0	3.5	2.5	4.0	3.0					attractive skin, moderate growth crack
	ND1487-1Y	307	457	67	32	67	0	1	1.069	0	0	0	0	3.5	2.0	2.0	4.0					oval type, slight greening
	NYT61-3	221	281	79	20	79	0	1	1.079	0	0	0	0	2.0	3.0	3.0	3.5					nice, bright skin, slight variable shape
	NYT61-2	211	337	63	35	63	0	2	1.079	0	0	0	0	3.0	2.5	2.5	2.0					nice shape, slight pink pigmentation around eyes
	NYT61-4	88	353	25	75	25	0	0	1.084	0	0	0	0	3.5	3.0	3.0	3.0					smooth skin, longer type
	MEAN	257	396	63	33	63	0	3	1.077	0	0	0	0	3.1	2.6	2.9	3.1					
RED SKIN TYPE	CO15127-1R	128	216	59	34	59	0	7	1.082	0	0	0	0	2.0	1.0			4.0	4.0	4.0	3.0	good shape, round, small, good color
	TX17802-5R	140	280	50	44	50	0	6	1.069	0	0	0	0	3.0	3.0			3.5	3.5	4.0	1.0	
	ND14324B-7R	152	217	70	30	70	0	0	1.071	0	0	0	0	1.5	3.0			3.0	4.0	4.0	2.0	nice shape
	ND14325B-7R	181	285	63	36	63	0	1	1.061	0	0	0	0	2.0	2.5			4.0	4.0	4.0	3.0	small yield but nice red skin
	COTX15111-1R	193	230	84	12	84	0	4	1.075	0	0	0	0	2.5	2.0			3.5	4.0	4.0	2.0	nice color and skin, inconsistent shape
	ND14220B-9R	320	367	87	9	87	0	4	1.067	0	0	0	0	2.5	1.5			3.0	3.5	2.0	3.0	acceptable color
	CO15113-1R	342	401	85	14	85	0	1	1.084	0	0	0	0	3.0	2.5			2.5	3.0	4.0	2.0	nice shape, acceptable color
COTX15083-1R	395	462	85	15	83	2	0	1.073	0	0	0	0	3.0	2.0			3.0	4.0	2.0	2.0	smooth skin, nice color	
NDAF12143-1	415	488	85	13	85	0	2	1.067	0	0	0	0	3.0	2.5			3.0	4.0	4.0	3.0	acceptable color, nice eye depth, smooth	
	MEAN	252	327	74	23	74	0	3	1.072	0	0	0	0	2.5	2.2			3.3	3.8	3.6	2.3	
WHITE	AF5819-2	398	455	88	11	88	0	1	1.069	0	0	0	0	3.5	3.0	2.5						bright, slight deep eyes, round, blocky
TRIAL MEAN		263	359	72	26	71	0	3	1.074	0	0	0	0	2.8	2.4	2.8	3.1	3.3	3.8	3.6	2.3	

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

⁴VINE VIGOR RATING

Date: 6/22/21

Rating 1-5

1: Slow emergence

5: Early emergence

⁵VINE MATURITY RATING

Date: 8/24/21

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

⁶WAXINESS RATING

1: Heavy netting, buff

5: Waxy, smooth

⁷FLESH COLOR

1: White

5: Dark yellow

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

5/7/21

8/27/21

9/30/21

112

146

Fairgrove

3220

10"

⁸SKIN COLOR

1: Light pink

5: Dark red

⁹UNIFORMITY OF SKIN COLOR

1: Highly variable, non-uniform

5: Highly uniform, color throughout

¹⁰SILVER SCURF

0: No incidence of silver scurf

5: High incidence of silver scurf

2021 Replicated Tablestock Potato Variety Trial

Walther Farms

Planting: 5/7/21 Vine Kill: 8/21/21 Harvest: 9/30/21

GDD₄₀: 3220

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ³ (%)						YELLOW FLESH		RED SKIN			SILVER SCURF ¹¹	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		
YELLOW SKIN TYPE	MSX156-1Y	533	545	98	0	79	19	2	1.068	0	0	0	0	0.2	4.0	3.5	1.8	1.8					very large blocky tuber type, buff skin	
	Albertine	439	515	85	4	85	0	11	1.061	0	23	0	0	1.0	3.8	1.7	2.7	3.2					buff skin, moderate alligator hide, points in pickouts	
	Danina	432	503	86	11	86	0	3	1.072	0	13	0	0	0.3	3.3	2.7	2.5	2.8					light netted skin, moderate alligator hide, trace points	
	Christel	418	518	81	15	81	0	4	1.058	0	0	3	0	0.8	3.3	2.7	3.3	3.2					trace growth cracks, buff skin, light netted skin	
	Tyson	411	450	91	7	91	0	2	1.074	0	13	0	0	1.0	3.7	4.0	2.0	1.3					bright lightly netted skin, lenticel scars	
	Goldfinger	375	467	80	16	80	0	4	1.055	0	3	0	0	0.7	3.7	3.7	3.2	2.7					slight skin netting, trace heat sprouts	
	AORTX09037-1W/Y	374	480	78	18	78	0	4	1.084	0	7	0	0	0.2	3.7	2.2	2.2	1.8					slight growth crack, light netted skin, deep eyes	
	Melody	359	420	85	9	85	0	6	1.065	0	0	40	0	0.0	2.8	4.3	2.2	3.0					light netted skin, misshapen pickouts	
	Corinna	356	397	90	6	90	0	4	1.060	0	23	0	0	0.5	2.8	2.7	3.0	3.0					flat oblong to long tuber type, buff skin	
	Tessa	353	408	86	12	86	0	2	1.079	3	3	0	0	0.7	3.3	2.2	2.7	1.8					nice general appearance, uniform buff skin	
	Paroli	349	387	90	3	90	0	7	1.062	0	3	0	0	0.2	4.3	2.0	3.0	3.2					blocky oblong type, buff skin	
	Montana	343	453	76	23	76	0	1	1.060	0	0	0	0	1.2	3.2	3.5	3.3	4.2					flattened type, lenticle scaring, acceptable appearance	
	Prada	321	409	79	16	79	0	5	1.060	0	3	0	0	0.3	3.5	1.3	2.2	2.5					prominent eyes, poor appearance, non uniform	
	Yukon Gold	318	354	90	6	90	0	4	1.083	20	3	0	3	0.7	3.3	2.0	2.5	2.2					blocky, less uniform	
	Cascada	315	440	71	24	71	0	5	1.070	0	3	0	0	0.3	3.7	4.0	3.3	4.0					less uniform, marginal appearance, buff skin	
Floridana	278	340	82	13	82	0	5	1.062	0	13	0	0	0.0	3.0	2.8	3.2	3.3					points and knobs in pickouts, non uniform		
Soprano	277	507	55	30	55	0	15	1.069	0	0	0	0	0.5	3.7	2.3	3.0	1.7					many misshapen pickouts		
Nectar	263	346	76	22	76	0	2	1.069	0	13	0	0	0.0	3.0	4.7	3.3	2.0					pink eye blushing, nice appearance		
Erika	232	432	54	42	54	0	4	1.067	0	3	0	0	0.3	2.8	1.5	3.0	2.5					nice appearance, flattened type, buff skin		
Mary Ann	219	385	57	37	57	0	6	1.073	0	3	0	0	0.8	2.7	4.0	3.7	4.0					bright skin type, nice appearance, pear shapes in pickouts		
MSX245-2Y	194	221	88	10	88	0	2	1.080	0	3	0	0	0.0	4.0	3.5	1.5	1.7					trace deep apical eyes, heavy netted skin, blocky type		
Honey Ryder	181	235	77	14	77	0	9	1.056	0	0	0	0	0.8	2.8	4.0	2.7	2.8					flat oblong to long type, nice appearance		
Gourmandine	124	294	42	52	42	0	6	1.069	0	27	0	0	0.2	2.7	1.7	3.2	2.7					points and pears in pickouts, slight flattened type		
Celandine	92	272	34	60	34	0	6	1.069	0	0	0	0	0.3	2.7	1.7	3.5	1.5					tubular flattened type, bright appearance		
MEAN	315	407	76	19	76	1	5	1.068	1	7	2	0	0.5	3.3	2.9	2.8	2.6							
RED SKIN TYPE	NDAF113484B-1	420	480	88	2	87	1	10	1.062	0	7	0	0	0.0	3.3	2.0			3.7	3.5	3.9	4.0	non uniform, knobs in pickouts, prominent eyes	
	Dark Red Norland	373	403	93	5	93	0	2	1.067	0	10	0	0	0.0	3.3	1.2			3.3	3.0	3.2	4.3	poor appearance, non uniform	
	Ricarda	366	439	83	9	83	0	8	1.072	0	43	0	0	0.2	4.3	2.5	4.0	2.5					poor color and shape, deep apical eyes	
	Canada Rose (CO00277-2R)	365	420	87	10	87	0	3	1.068	0	17	0	0	0.3	3.5	2.2	3.2	3.7	4.0	3.8			good color, non uniform type, poor appearance	
	Rosemaria	324	393	82	13	82	0	5	1.068	0	27	0	0	0.0	3.5	3.8	1.5	2.2	3.2	3.0			heavy netted skin, non uniform	
	Colorado Rose	324	374	87	6	87	0	7	1.072	0	7	0	0	0.0	3.0	2.8			3.9	3.2	3.2	3.7	less uniform, heavy eyebrows, knobs, nice color	
	CO99076-6R	317	356	89	8	89	0	3	1.074	0	10	0	0	0.8	3.3	2.2	3.2	4.0	3.7	2.2			uniform round type, nice color, trace skinning	
	CO15205-4R	299	336	89	11	89	0	0	1.076	0	10	0	0	0.0	3.8	2.0	3.8	3.7	3.3	4.3			uniform round type, lighter skin, slight skinning	
	86735-1	268	363	74	19	74	0	7	1.076	0	27	23	0	0.0	3.2	4.3	2.0	4.3	2.8					poor appearance, netted skin, pears in pickouts
	NDA0502378-1R	244	285	86	13	86	0	1	1.059	0	7	0	0	0.0	3.0	4.3			3.8	4.0	3.7	1.5	nice uniform tuber type, trace skinning	
	CO15211-5R	239	288	83	15	83	0	2	1.062	0	10	0	0	0.2	2.7	2.2	3.3	3.8	3.5	3.5			nice color, sticky stolons, trace skinning	
	ND1466CB-1R	221	265	83	14	83	0	3	1.074	27	0	0	0	0.0	1.8	1.8	3.3	4.0	4.5	3.7			nice color, smaller uniform type	
	CO14105-1R	221	274	81	17	81	0	2	1.063	0	13	0	0	0.2	2.3	3.2	3.5	4.5	3.7	2.8			darker red skin, flattened oval type	
	CO15219-3R	212	312	68	31	68	0	1	1.076	0	0	0	0	0.3	2.7	2.8	3.5	3.8	3.5	3.2			small tuber type, not uniform, skinning	
	CO14040-3R	201	339	59	40	59	0	1	1.079	0	10	0	0	0.8	2.5	1.5	4.2	3.0	3.2	3.8			small tubers, poor appearance	
CO15206-1R	169	296	57	43	56	1	0	1.071	0	7	0	0	0.0	3.3	1.2	3.5	3.0	3.0	3.8			poor appearance, small non uniform tubers		
RP 2009-5R	126	206	61	34	61	0	5	1.059	0	7	0	0	0.3	3.3	2.0	1.8	3.2	2.2	2.3	3.0			deep eyes, poor appearance	
MSX324-2R	86	129	66	16	66	0	18	1.075	0	0	0	0	0.5	4.3	1.5	3.3	2.3	2.8	4.0			poor skin color, severe growth crack in pickouts		
MEAN	265	331	79	17	79	0	4	1.070	2	12	1	0	0.2	3.2	2.4			1.8	3.2	3.3	3.5	3.3		
TRIAL MEAN	294	375	77	18	77	1	5	1.069	1	9	2	0	0.3	3.3	2.7			2.8	2.5	3.2	3.3	3.5	3.3	

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: 6/22/21
Rating 1-5
1: Slow emergence
5: Early emergence

⁶VINE MATURITY RATING

Date: 8/24/21
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date 5/7/21
Vine Kill Date 8/27/21
Harvest Date 9/30/21
Days (planting to vine kill) 112
Days (planting to harvest) 146
GDD₄₀ MAWN Station Fairgrove
GDD₄₀ (planting to vine kill) 3220
Seed Spacing 10"

⁷WAXINESS RATING

1: Heavy netting, buff
5: Waxy, smooth

⁸FLESH COLOR

1: White
5: Dark yellow

⁹SKIN COLOR

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

