

Michigan State University Potato Outreach Program: On-Farm Tablestock Variety Trials

Summary, 2025

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Statewide Tablestock (Non-Russet) Variety Trials: Summary Across Seven Locations

SKIN COLOR	LINE	CWTA		PERCENT OF TOTAL				RAW TUBER QUALITY ⁴ (%)				COMMON SCAB RATING ²	VINE VIGOR ⁵	VINE MATURITY ⁶	YELLOW FLESH		WAXINESS ⁷	RED SKIN		SILVER SCURF ¹¹	COMMENTS		
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ³	IH	VD				IBS	BC		WAXINESS ⁷	FLESH COLOR ⁸			SKIN COLOR ⁹	UNIFORMITY ¹⁰
Yellow	MSGG039-11Y ^{abcdefg}	516	598	63	26	63	0	11	1.070	0	3	0	0	1.2	1.7	3.7	3.5	3.2				small round oval, fairly uniform tuber type, trace of pink eye and growth cracks	
	Colomba ^{abcdefg}	458	557	66	24	65	1	10	1.056	7	26	12	0	0.5	2.5	2.5	3.0	3.6				severe heat sprouts, round oval, uniform tuber type, knobby, growth cracks	
	Saphia ^{abcdef}	457	691	73	16	73	0	11	1.067	0	10	0	0	1.0	1.0	3.0	2.8	4.2				bottlenecking, oblong to long, light netted, misshappen pick outs, points, growth cracks	
	MSHH224-1Y ^{abcdefg}	450	571	83	12	82	2	5	1.065	4	9	0	6	1.1	2.5	2.9	2.8	3.0				large round uniform tuber type, trace of misshappen, trace heat sprouts	
	Jelly ^{abcdefg}	422	513	73	24	73	0	3	1.063	0	0	0	0	0.5	3.2	3.0	3.0	4.2				knobby, points,blocky, sticky stolons, misshapen pick outs, medium netted	
	Chas ^{abcdefg}	397	523	60	26	60	0	13	1.087	30	0	0	0	1.2	1.3	4.2	2.8	2.7				growth cracks, knobs, not uniform tuber type, misshappen, light netted	
	Alaska Gold ^{abcdefg}	386	555	75	14	75	0	11	1.056	7	25	0	0	0.9	2.2	2.5	2.8	2.8				points, growth cracks ,sticky stolons, points, misshapen	
	MUI2015-004-003 ^{abcdef}	385	526	89	9	85	4	2	1.050	0	20	0	0	0.7	1.0	2.7	2.5	2.5				round oval blocky, medium netted	
	Stella Gold ^{abcdefg}	379	470	50	33	49	1	16	1.064	0	15	5	1	1.1	2.7	2.7	3.1	2.6				uniform round tuber type, traces of heat sprouts, nice general appearance, some points	
	Mikado ^{abcdef}	340	448	72	18	72	0	10	1.067	18	17	2	0	1.5	2.3	2.6	3.2	2.9				flat oblong to long, points, growth cracks, bottle necking	
	Isabelia ^{ef}	317	432	70	27	70	0	3	1.058	1	13	10	0	0.7	2.4	2.4	3.0	2.7				not uniform tuber type, medium netted	
	Gala ^{abcdefg}	315	442	84	9	82	2	7	1.051	0	15	0	0	0.7	3.0	2.5	3.4	3.0				severe heat sprout, uniform round oval tuber, points, light skin	
	Acoustic ^{abcdef}	314	423	70	22	69	1	9	1.063	2	13	3	1	1.0	2.4	2.8	3.0	3.1				misshappen pick out, round oval, non uniform tuber type, trace of rots, knobs	
	W15240-2Y ^{abc}	298	398	60	31	59	0	10	1.063	0	7	3	3	1.2	2.5	2.7	2.7	3.1				round oval, trace of pear shapes, not uniform, bright general appearance	
	Queen Anne ^{abcdefg}	297	476	39	48	38	0	13	1.069	1	18	0	0	0.6	2.0	3.2	3.6	4.1				severe heat sprout, points, uniform elongated tubers, growth cracks	
	Samoa ^{ef}	297	409	65	30	64	1	5	1.075	1	5	8	0	0.9	2.6	3.0	3.0	2.8				large blocky, light skin, misshappen, growth cracks, not uniform tuber type, pineconing	
	Rock ^{abcdefg}	278	425	63	30	63	0	7	1.056	0	6	0	0	1.4	2.3	2.9	3.4	3.8				not uniform tuber type, poor general appearance, light skin, trace of misshappen pick outs, sticky stolons	
	Christel ^{abcdefg}	276	419	76	14	74	2	10	1.049	0	20	0	1	0.5	2.5	3.0	3.1	2.2				flat round oval, medium netted, sticky stolons	
	MSIB320-04Y ^b	271	304	80	14	78	1	7	1.061	0	11	1	0	1.1	2.7	2.6	3.0	3.0				oblong to long, misshappen pickouts, growth cracks, light netted	
	Sound ^{abcdefg}	266	552	65	16	65	0	18	1.061	0	7	3	1	0.9	2.2	3.0	2.9	2.4				misshappen, flat elongated, poor appearance, not uniform tuber type, knobs	
	Jola ^{ef}	253	398	82	9	80	2	9	1.068	0	12	0	0	0.9	2.1	3.6	2.7	3.5				misshappen pick outs, blocky oblong tuber type, trace of growth cracks, not uniform tuber type	
	IPB8343-2W/Y ^{abc}	239	347	70	24	69	1	6	1.061	0	12	0	1	0.6	2.9	2.1	3.1	3.9				round blocky, deep eyes, sheep nose, deformed tuber type	
	Tessa ^{abcdefg}	223	367	62	38	62	0	0	1.057	0	0	20	0	0.5	1.0	2.5	2.5	1.0				very oblong to long, tubular, not uniform tuber type, misshappen, elongated	
	Arthus ^{ef}	179	272	68	14	68	0	17	1.071	1	11	15	3	1.4	2.7	3.2	2.8	2.8				poor tuber type, medium netted, misshappen pick out, prominent lenticels	
	Odett ^{abcdefg}	174	430	73	26	73	0	1	1.058	0	20	2	3	1.5	2.6	2.2	3.2	3.3				not uniform skin color and tuber type, points, heat sprouts, round oval light skin	
	T1 ^h	105	169	81	15	80	1	4	1.062	0	12	0	0	0.6	2.5	3.1	3.1	3.6					
	MEAN	319	451	74	22	74	0	3	1.060	0	7	11	0	0.8	2.1	2.7	2.7	2.7					
White	Reba ^{acdefg}	488	512	95	4	94	1	1	1.066	6	10	0	4	0.6	3.0	2.8	2.3	1.0				blocky oval, light netted, sheep nose, uniform tuber type, deep apical eye	
	08 6840.1 ^{abcdfg}	480	605	80	9	79	1	11	1.063	3	18	2	3	1.0	2.7	3.5	2.6	1.1				blocky flat round oval, bright general appearance, not uniform, misshappen pick outs	
	MSFF031-6 ^{abcdfg}	466	515	89	10	86	4	1	1.062	0	12	2	0	0.6	3.0	2.7	2.1	1.0				moderate prominent lenticels, light netted, OK general appearance, deep apical eye, sheep nose	
	Superior ^{acdef}	321	405	80	9	80	0	11	1.069	3	38	5	0	0.3	2.3	2.0	1.8	1.0				misshappen, flat, poor tuber type	
	MEAN	439	509	86	8	85	1	6	1.065	3	20	2	2	0.6	2.7	2.8	2.2	1.0					
Red	Spartan Red ^{abcdefg}	496	554	89	8	87	3	3	1.068	7	10	0	7	1.3	3.0	3.1			2.6	2.9	2.5	1.3	flat round, moderate skinning, sticky stolons, black scurf, misshappen, poor general appearance
	MSHH161-06R ^{abcdef}	445	470	95	3	89	5	2	1.060	6	7	5	26	1.4	1.8	3.5			3.2	4.8	4.9	2.6	large blocky round, moderate skinning, trace of growth cracks, sticky stolons
	AC11596-1R ^{abcdefg}	368	453	81	18	80	1	2	1.057	0	10	0	0	0.7	2.4	2.7			3.2	3.4	3.3	1.6	uniform round oval tuber type, acceptable general appearance
	MSHH176-2R ^{abcdefg}	360	420	86	11	85	1	3	1.066	1	6	0	0	0.8	3.0	3.6			2.9	2.8	3.3	1.1	severe emerging heat sprouts, sticky stolons, uniform round tuber type, mild silver scurf
	MSHH164-03RY ^{abcdef}	313	359	87	9	85	2	4	1.071	0	7	15	7	0.4	1.6	2.9			2.7	3.4	3.7	1.5	growth cracks, misshapen, mod skinning, uniform round tuber type
	Dark Red Norland ^{abcdefg}	294	368	80	17	80	0	3	1.060	4	14	0	0	0.4	2.7	1.5			2.9	2.6	2.5	2.2	mod skinning, flat round, misshappen pickouts,growth cracks, OK general appearance
	BNC981-1 ^{def}	241	298	80	17	80	0	3	1.071	0	10	0	0	0.7	3.0	3.2			2.8	3.5	3.3	1.2	round uniform tuber type, severe silver scurf, heat sprouts
MEAN	360	417	85	12	84	2	3	1.065	3	9	3	6	0.8	2.5	2.9			2.9	3.3	3.3	1.6		

2022 Russet Variety Trial Sites

4-L Farms, Inc^a

Walber Farms^a

Hoskey Brothers Farms^d

Jenkins Potato Farm^d

Kitchen Farm, Inc^a

Styma Potato Farm^d

Verbrugghe Potato Farms^d

¹SIZE

Non-russet tablestock

Ibc < 1 7/8"

Ac: 1 7/8" - 3 1/4"

OV: > 3 1/4"

PO: Pickouts

% of total: Values rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

Ibc: < 1.70"

Ac: 1.70" - 1.74"

OV: > 1.74"

PO: Pickouts

% of total: Values rounded to the nearest whole number

³RAW TUBER QUALITY

(percent of tubers out of 10)

IH: Hollow Heart

VD: Vascular Diskoloration

IBS: Internal Brown Spot

PO: Pickouts

BC: Brown Center

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

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

1: Heavy netting, buff

5: Waxy, smooth

⁶FLESH COLOR

1: White

5: Dark yellow

⁷SKIN COLOR

1: Light pink

5: Dark red

⁸UNIFORMITY OF SKIN COLOR

1: Highly variable, non-uniform

5: Highly uniform, color throughout

⁹VINE VIGOR RATING

Date: Variable

Rating 1-5

1: Slow emergence

5: Early emergence

¹⁰VINE MATURITY RATING

Date: Variable

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

¹¹SILVER SCURF

0: No incidence of silver scurf

5: High incidence of silver scurf

Tablestock Variety Trial, 4-L Farms, Inc., Kalamazoo County

Planting: 05/19/2025 Vine Kill: 10/02/2025 Harvest: 10/15/2025

CGDD₄₀: 4102

SKIN COLOR	LINE	CWEA		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ² (%)					COMMON SCAB RATING ³	VINE VIGOR ⁷	VINE MATURITY ⁸	YELLOW FLESH		RED SKIN				COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	III	VD	IBS	BC			WAXINESS ¹	FLESH COLOR ⁴	WAXINESS ¹	SKIN COLOR ⁵	UNIFORMITY ¹⁰	SILVER SCURF ¹¹	
Red	Spartan Red	594	618	96	4	87	9	0	1.071	40	0	0	20	0.5	1.0	2.5		2.0	2.5	2.0	1.0	blocky round, severe skinning
	AC11596-1R	448	515	87	8	87	0	5	1.053	0	0	0	0	0.0	1.0	2.5		3.5	3.0	3.0	0.5	rough blocky round oval, misshappen pick outs
	MSHH161-06R	413	464	89	3	83	6	8	1.066	0	0	0	0	1.0	1.0	3.0		2.0	4.5	4.5	0.0	large blocky round, moderate skinning, trace of growth cracks, sticky stolons
	MSHH176-2R	366	440	83	8	82	1	9	1.062	0	10	0	0	0.5	1.0	2.5		3.0	3.0	3.0	0.5	flat round tuber type, not uniform skin, trace of growth cracks, misshappen pick outs
	MSHH164-03RY	262	289	91	3	80	11	6	1.077	0	0	0	10	0.5	1.0	2.0		2.5	2.5	2.5	0.5	moderate skinning, large blocky round
	Dark Red Norland	251	286	88	12	88	0	1	1.050	0	0	0	0	0.5	1.0	2.0		3.0	2.5	3.0	3.5	trace of an alligator hide, poor general appearance, round oval, deep eyes
	MEAN	389	435	89	6	84	5	5	1.063	7	2	0	5	0.5	1.0	2.4		2.7	3.0	3.0	1.0	
White	Reba	574	609	94	2	92	2	3	1.063	30	10	0	10	1.0	1.0	3.0	3.0	1.0				large round oval, deep apical eye
	08 6840.1	537	723	74	10	74	0	16	1.058	20	10	0	0	1.0	1.5	2.5	4.0	1.0				knobs, points, bottlenecks
	Superior	259	331	78	11	78	0	10	1.063	0	10	0	0	0.5	1.0	2.0	2.5	1.0				poor tuber type, deformed misshappen pick out
	MSFF031-6	189	237	80	19	80	0	1	1.049	0	10	0	0	0.5	1.0	2.5	2.5	1.0				uniform tuber type, light skin, nice general appearance
	MEAN	390	475	82	11	81	1	8	1.058	13	10	0	3	1	1	3	3.0	1.0				
Yellow	MSGG039-11Y	663	750	88	3	81	7	9	1.055	20	0	0	0	0.5	1.0	2.5	3.0	3.5				large round uniform tuber type, trace of misshappen
	Stella Gold	632	779	81	9	80	1	10	1.064	0	10	0	0	0.5	1.0	3.0	3.0	4.0				round oval uniform tuber type, points, trace of growth cracks
	MUI2015-004-003	595	867	69	4	69	0	27	1.057	40	10	0	0	1.5	1.0	2.5	4.0	3.0				not uniform tuber type, knobs, growth cracks, alligator hide
	Colomba	561	823	68	12	66	2	20	1.046	0	0	0	0	1.5	1.5	2.0	4.0	3.0				not uniform tuber type, light skin, bottlenecking, heat sprouts, misshappen, knobs, growth cracks
	Jelly	516	641	81	5	78	3	14	1.077	0	20	0	0	1.0	1.0	3.0	3.0	4.0				large blocky, growth cracks, knobs, points, not uniform tuber type, misshappen pick outs
	MSHH224-1Y	515	669	77	5	75	2	18	1.065	0	0	0	0	0.5	1.0	2.5	3.0	4.0				large blocky, growth cracks, light skin, black scab
	Queen Anne	432	663	65	19	65	0	16	1.057	0	0	0	0	2.5	1.0	2.5	4.0	4.0				poor tuber type, points, growth cracks
	W15240-2Y	382	479	80	14	80	0	6	1.056	0	0	30	0	1.0	1.0	2.5	3.0	3.0				flat oval oblong, points, deep eyes
	Sound	365	717	51	12	51	0	37	1.064	0	10	0	0	0.5	1.0	2.5	3.0	3.0				flat oblong, misshappen pick outs, not uniform tuber type, knobs
	Alaska Gold	316	523	61	11	61	0	29	1.075	0	20	30	0	1.5	1.0	2.5	3.0	2.5				not uniform tuber type, knobs, sticky stolons, pink eye, points
	Mikado	305	368	83	15	83	0	2	1.044	0	20	0	0	1.0	1.0	2.0	3.5	3.5				small round oval, fairly uniform tuber type, trace of pink eye and growth cracks
	Chas	302	544	55	18	55	0	27	1.057	0	0	0	0	0.5	1.0	2.5	4.0	2.5				growth cracks, knobs, not uniform tuber type, misshappen
	Acoustic	295	476	62	10	61	1	28	1.053	20	0	0	0	1.0	1.0	2.5	3.5	3.0				misshappen pick out, round oval, non uniform tuber type, trace of rots, knobs
	Jola	287	428	67	9	67	0	24	1.069	0	0	0	0	0.5	1.0	3.0	4.0	4.0				misshappen pick outs, blocky oblong tuber type, trace of growth cracks, not uniform tuber type
	Samoa	283	428	66	8	66	0	26	1.072	0	0	0	0	0.5	1.0	3.0	3.0	4.5				large blocky, light skin, misshappen, growth cracks, not uniform tuber type, pineconning
	Rock	236	381	62	27	62	0	12	1.080	0	0	0	0	0.5	1.0	2.5	3.0	3.0				not uniform tuber type, poor general appearance, light skin, trace of misshappen pick outs
	IPB8343-2W/Y	234	381	62	32	62	0	6	1.054	0	0	0	0	0.5	1.0	2.5	3.0	3.0				light skin, small round oval, deformed tuber type, pine conning
	Saphia	229	453	51	22	51	0	27	1.061	0	0	0	0	1.0	1.0	2.5	3.0	2.5				bottlenecking, oblong to long, light netted, misshappen pick outs, points, growth cracks
	Gala	228	350	65	33	65	0	2	1.049	0	0	0	0	0.5	1.0	2.5	3.0	4.5				small round oval, uniform tuber type, light skin, pointy
	Arthus	216	314	69	9	69	0	22	1.091	20	0	0	0	0.5	1.0	3.0	3.5	3.0				elongated oblong large tuber type, misshappen curved pick outs
	Isabelia	200	284	70	27	70	0	2	1.057	0	0	0	0	0.5	1.0	3.0	3.5	4.5				light skin, small round uniform tuber type, nice general appearance
	Christel	165	307	54	25	54	0	22	1.052	20	10	10	0	0.5	1.0	2.0	3.0	3.0				not uniform tuber type, pear shaped
	Odett	119	330	36	43	36	0	21	1.066	0	0	0	0	0.5	1.0	3.0	3.0	4.5				not uniform skin color and tuber type, points, heat sprouts, round oval
	Tessa	113	228	50	35	50	0	16	1.049	0	0	0	0	0.5	1.0	3.0	3.5	3.0				light skin
	MEAN	341	508	65	17	65	1	18	1.061	5	4	3	0	0.8	1.0	2.6	3.3	3.4				misshappen pick out, non uniform tuber type, points, elongated tuber type

SIZE

Non-runner tablestock

Bs < 1.78"

As: 1.78" - 3.14"

OV: > 3.14"

PO: Pickouts

% of total Values rounded to the nearest whole number

SPECIFIC GRAVITY

Total solids

RAW TUBER QUALITY

(percent of tubers out of 10)

HB: Hollow Heart

VD: Vascular Discoloration

IBS: Internal Brown Spot

BC: Brown Center

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

VINE VIGOR RATING

Date: 06/10/2025

Rating 1-5

1: Slow emergence

5: Early emergence

VINE MATURITY RATING

Date: 06/21/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date

Vine Kill Date

Harvest Date

Days (planting to vine kill)

Days (planting to harvest)

GDD40 MAWN Station

GDD40 (planting to vine kill)

Seed Spacing

5/19/2025

10/2/2025

10/15/2025

136

149

4102 | Allegan

3856

10"

WAXINESS RATING

1: Heavy netting, buff

5: Waxy, smooth

FLESH

1: White

5: Dark

SKIN COLOR

1: Light pink

5: Dark red

UNIFORMITY OF SKIN COLOR

1: Highly variable, non-uniform

5: Highly uniform, color throughout

SILVER SCURF

0: No incidence of silver scurf

5: High incidence of silver scurf

Tablestock Variety Trial, Horkey Brothers Farm, Monroe County

Planting: 04/23/2025 Vine Kill: 9/1/2025 Harvest: 9/18/2025

CGDD_m: 4027

Skin Color	LINE	CMT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ⁴ (%)				COMMON SCAB	VINE VIGOR ⁷	VINE MATURITY ⁸	YELLOW FLESH		RED SKIN		SILVER SCURF ¹¹	COMMENTS		
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	IHH	VD	IBS	BC	RATING ⁵	WAXINESS ⁷	FLESH COLOR ⁹	WAXINESS ⁷	SKIN COLOR ⁹	UNIFORMITY ¹⁰			
White	08 6840-1	585	814	72	8	72	0	20	1.056	0	30	10	10	1.5	2.0	3.0	1.0	1.0		misshapen, knobby		
	MSFF031-6	528	576	92	8	92	0	0	1.063	0	40	10	0	0.5	2.0	2.0	1.0	1.0		round uniform tuber type, sticky stolons, nice general appearance		
	Reba	410	424	97	3	97	0	0	1.062	0	0	0	10	0.5	1.5	2.5	1.0	1.0		blocky oval, light netted, sheep nose, uniform tuber type		
	Superior	296	350	84	11	84	0	4	1.071	0	80	0	0	0.0	2.0	1.0	1.0	1.0		round oval, uniform tuber type, trace of misshapes		
	MEAN	455	541	86	8	86	0	6	1.063	0	38	5	5	0.6	1.9	2.1	1.0	1.0				
Red	Spartan Red	562	625	90	6	89	1	4	1.066	0	40	0	10	3.0	2.5	2.5		3.0	2.0	1.0	2.0	sticky stolons, uniform round tuber type
	MSHH164-03R	460	473	97	1	97	0	1	1.066	0	20	70	0	0.0	1.0	2.0		3.0	4.0	3.0	2.0	round uniform tuber type, sticky stolons, traces of heat sprouts, ok general appearance
	MSHH161-06R	453	465	98	2	93	4	0	1.054	0	10	0	50	2.0	1.5	3.0		4.0	5.0	5.0	3.0	uniform round tuber type, sticky stolons
	MSHH176-2R	449	526	85	12	85	0	3	1.060	0	30	0	0	1.0	2.0	2.5		3.0	3.5	1.0	3.0	severe emerging heat sprouts, sticky stolons, uniform round tuber type, mild silver scurf
	Dark Red Norla	389	497	78	19	78	0	3	1.069	0	60	0	0	0.5	2.0	1.0		2.5	2.0	1.0	3.0	severe heat sprouts, round uniform tuber type,
	AC11596-1R	374	482	78	21	78	0	1	1.053	0	30	0	0	2.5	1.5	2.0		3.0	3.5	1.0	3.0	sticky stolons, round/oval uniform tuber type, severe heat sprouts,
	MEAN	448	511	88	10	87	1	2	1.061	0	32	12	10	1.5	1.8	2.2		3.1	3.3	2.0	2.7	
Yellow	MSGG039-11Y	571	643	89	6	89	0	5	1.053	0	20	0	40	1.5	2.0	2.5	2.0	3.5				heat sprout, uniform round tuber, sticky stolons,
	Colomba	480	598	80	7	80	0	12	1.045	0	50	0	0	0.5	2.5	1.0	2.5	3.0				severe heat sprouts, round oval, uniform tuber type, knobby
	Mikado	391	491	80	20	80	0	0	1.044	0	20	0	20	3.0	2.0	1.0	3.0	3.5				uniform round tuber type, scabby
	Saphia	388	905	43	12	43	0	45	1.058	0	20	10	0	1.5	2.0	2.5	2.5	3.0				misshapen, points, knobs
	Samoa	348	468	74	22	74	0	4	1.059	0	30	0	0	2.0	1.0	3.5	2.5	3.5				trace of misshapes, round oblong, minor heat sprouts
	MSHH224-1Y	327	522	63	16	63	0	21	1.050	0	30	0	0	2.0	2.0	2.0	2.5	3.0				misshapen, points, heat sprouts, growth cracks, alligator skin
	MUI2015-004-0	324	474	68	19	68	0	12	1.058	0	90	0	0	3.0	1.5	1.5	2.5	2.5				points, misshapes, rotting
	Queen Anne	305	548	56	25	56	0	20	1.052	0	20	0	0	1.0	1.0	2.0	3.0	3.5				severe heat sprout, points, uniform elongated tubers
	Stella Gold	303	389	78	19	78	0	4	1.051	0	30	0	0	1.5	1.5	1.5	3.0	3.0				uniform round tuber type, traces of heat sprouts, nice general appearance
	Chas	293	391	75	13	75	0	12	1.041	0	40	0	0	0.5	1.5	2.0	3.0	2.5				round, uniform tuber type, some knobby, some misshapes,
	Acoustic	282	402	70	12	70	0	18	1.058	0	60	0	0	0.5	1.5	1.0	2.0	3.0				misshapen, heat sprout, knobby, round uniform tuber type
	Gala	259	447	58	28	58	0	14	1.054	0	30	0	0	0.5	2.5	1.5	3.5	4.0				severe heat sprout, uniform round oval tuber, points,
	Christel	253	462	55	24	55	0	21	1.058	0	60	50	0	0.5	1.5	1.5	3.0	4.0				round/oval, points, knobs
	Jelly	233	372	63	10	63	0	28	1.059	0	30	0	0	2.5	1.5	3.0	3.0	3.5				knobby, non uniform tuber type, heat sprouts, rots, misshapen
	Tessa	223	399	56	17	56	0	28	1.062	0	0	0	0	2.0	1.0	2.0	2.0	3.0				misshapen, not uniform tuber type, knobby
	Sound	199	563	35	51	35	0	14	1.057	0	20	0	10	2.5	2.5	2.0	3.0	3.0				misshappen, flat round oblong, non uniform tuber type
	Rock	181	343	53	43	53	0	4	1.064	0	0	30	0	2.5	2.0	2.5	3.0	3.0				points, sticky stolons
	Alaska Gold	160	557	29	12	29	0	59	1.060	0	10	10	0	2.0	1.5	2.5	1.0	2.5				heat sprout, severe heat sprout, knobby, misshapes
	Odett	64	472	14	45	14	0	42	1.060	0	60	0	0	1.0	1.5	2.5	2.0	3.5				severe heat sprout, severe knobs, misshapen, non uniform tuber
	MEAN	294	497	60	21	60	0	19	1.055	0	33	5	4	1.6	1.7	2.0	2.6	3.2				

¹SIZE

Non-russet tablestock

Bs: < 1 7/8"

As: 1 7/8" - 3 1/4"

OV: > 3 1/4"

PO: Pickouts

% of total: Values rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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: 6/4/2025

Rating 1-5

1: Slow emergence

5: Early emergence

⁶VINE MATURITY RATING

Date: 8/1/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date

Vine Kill Date

Harvest Date

Days (planting to vine kill)

Days (planting to harvest)

CGDD₅₀ MAWN Station

CGDD₅₀ (planting to vine kill)

Seed Spacing

4/23/2025

9/1/2025

9/18/2025

131

148

4295 | Deerfield/Blissfield

3601

10"

⁷WAXINESS RATING

1: Heavy netting, buff

5: Waxy, smooth

⁸FLESH

1: White

5: Dark

⁹SKIN COLOR

1: Light pink

5: Dark red

¹⁰UNIFORMITY OF SKIN COLOR

1: Lightly variable, non-uniform

5: Highly uniform, color throughout

¹¹SILVER SCURF

0: No incidence of silver scurf

5: High incidence of silver scurf

Tablestock Variety Trial, Jenkins Potato Farm, Kalkaska County

Planting: 05/15/2025 Vine Kill: 8/25/25 Harvest: 10/03/2025

CGDD₁₀: 3300

Skin Color	LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ⁴ (%)				COMMON SCAB	VINE	VINE	YELLOW FLESH		RED SKIN		SILVER SCURF ¹¹	COMMENTS		
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP	GR ²	HH	VD	IBS	BC	RATING ⁵	VIGOR ⁷	MATURITY ⁸	WAXINESS ⁷			FLESH COLOR ⁸	WAXINESS ⁷
Red	MSHH161-06R	475	526	90	4	88	2	6	1.061	0	0	0	0	0.5	1.0	4.5		1.0	5.0	5.0	2.0	sticky stolons, moderate silver scurf, growth cracks
	MSHH176-2R	442	525	84	12	84	0	3	1.067	0	0	0	0	0.0	1.5	4.0		1.5	4.0	3.5	2.0	sticky stolons, slight rhizoctonia
	Spartan Red	437	516	85	15	85	0	1	1.057	0	0	0	0	0.5	2.0	4.0		3.0	3.0	2.5	1.5	sticky stolon, rhizoctonia, poor general appearance
	MSHH164-03RY	356	413	86	12	86	0	2	1.064					0.0	1.0	4.0		2.5	5.0	5.0	1.0	slight rhizoctonia, growth cracks
	AC11596-1R	293	388	75	23	71	5	2	1.050	0	0	0	0	0.5	1.5	3.5		3.5	3.0	3.5	2.0	slight rhizoctonia, growth cracks
	Dark Red Norland	214	310	69	29	69	0	2	1.056	30	0	0	0	0.0	2.0	1.0		3.0	2.5	2.5	2.0	severe silver scurf,
	BNC981-1	155	220	71	25	71	0	4	1.068	0	0	0	0	0.5	1.5	3.0		2.5	3.0	3.0	1.5	moderate rhizoctonia, poor yield,
MEAN	339	414	80	17	79	1	3	1.061	5	0	0	0	0.3	1.5	3.4		2.4	3.6	3.6	1.7		
White	Superior	351	523	67	9	67	0	24	1.068	10	60	0	0	0.5	2.0	2.5						misshapen, flat
Yellow	MSGG039-11Y	853	887	96	3	96	1	0	1.067	0	20	0	0	0.5	1.5	3.5	2.5	3.0				round/oval
	Alaska Gold	686	836	82	14	82	0	4	1.062	0	0	20	20	0.5	1.5	3.5	4.0	2.5				points, growth cracks ,sticky stolons
	Saphia	662	835	79	18	79	0	3	1.060	0	0	0	0	1.0	1.5	4.0	3.5	3.5				elongated, points
	MSHH224-1Y	602	737	82	17	82	0	2	1.059	0	20	0	0	0.5	1.0	3.5	3.0	2.0				elongated
	Jelly	524	645	81	15	81	0	4	1.057	0	0	0	0	0.5	1.0	4.5	3.0	4.0				knobby, points,blocky, sticky stolons
	Stella Gold	464	554	84	12	84	0	4	1.058	0	0	0	0	0.5	1.5	4.0	4.0	4.0				rot, round oval
	Colomba	438	538	81	16	81	0	2	1.047	0	10	0	0	0.0	2.0	3.0	3.5	3.5				round to oval, blocky, nice appearance, looks good
	Mikado	405	552	73	25	73	0	2	1.059	0	10	0	0	1.0	2.0	3.0	4.0	4.0				points and pear shapes, growth cracks
	Chas	371	535	69	27	69	0	4	1.043	0	20	0	0	0.5	1.5	3.5	3.5	1.5				knobs, slight rhizoctonia, bright appearance
	Acoustic	360	496	73	17	73	0	11	1.063	0	10	0	0	0.5	1.5	3.5	2.5	2.0				not good appearance, round oval, misshapen
	Gala	322	471	69	23	69	0	9	1.054	0	0	0	0	0.5	1.5	3.0	3.0	4.5				moderate points, poor general apperance, slight pit rot
	Christel	316	509	62	24	62	0	13	1.047	0	10	10	0	0.0	1.5	3.5	3.0	4.5				points, growth cracks ,sticky stolons,flat
	Tessa	289	480	60	35	60	0	5	1.069	0	10	20	0	0.5	1.5	4.0	3.0	4.0				not uniform tuber size, OK
	Queen Anne	236	454	52	45	52	0	3	1.053	0	0	0	0	1.5	1.0	3.5	3.0	4.0				elongated, rot
	MUI2015-004-003	232	372	62	32	62	0	6	1.064	30	0	0	0	0.5	1.5	3.5	3.0	4.5				flat elongated, points,
	Sound	195	724	27	42	27	0	31	1.062	0	10	20	0	0.5	1.5	3.5	3.5	3.5				misshapen, flat elongated, poor appearance
	Rock	191	411	46	51	46	0	2	1.076	0	0	0	0	0.0	1.5	3.5	2.5	3.0				sticky stolon, looks good
	Odett	148	407	36	55	36	0	8	1.066	10	0	0	0	0.0	1.0	3.5	4.0	4.5				traces growth cracks, points, flat
MEAN	405	580	68	26	68	0	6	1.059	2	7	4	1	0.5	1.4	3.6	3.3	3.5					

¹SIZE

Non-russet tablestock

Bs: < 1 7/8"

As: 1 7/8" - 3 1/4"

OV: > 3 1/4"

PO: Pickouts

% of total: Values rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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: 6/10/2025

Rating 1-5

1: Slow emergence

5: Early emergence

⁶VINE MATURITY RATING

Date: 8/15/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date

5/15/2025

Vine Kill Date

8/25/2025

Harvest Date

10/3/2025

Days (planting to vine kill)

102

Days (planting to harvest)

141

CGDD₁₀ MAWN Station

3300

CGDD₁₀ (planting to vine kill)

2556

Seed Spacing

10"

Kalkaska

⁷WAXINESS RATING

1: Heavy netting, buff

5: Waxy, smooth

⁸FLESH

1: White

5: Dark

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

Tablestock Mini-Bulk Varsity Trial, Kitchen Farms, Inc., Antrim County

Planting: 5/27/2025 Vine Kill: 9/1/2025 Harvest: 9/23/2025

CGDD₄₀: 3379

SKIN COLOR	LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ⁴ (%)					COMMON SCAB RATING ⁵	VINE VIGOR ⁷	VINE MATURITY ⁸	YELLOW FLESH FLESH COLOR ⁸		RED SKIN UNIFORMITY ¹⁰		SILVER SCURF ¹¹	COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP	GR ²	HH	VD	IBS	BC			WAXINESS ⁷		WAXINESS ⁷	SKIN COLOR ⁹		
Red	Spartan Red	383	440	87	7	87	0	6	1.069	10	0	0	10	0.5	5.0	3.5		2.5	3.0	3.0	1.0	severe skinning, misshapen uniform round oval tuber type, acceptable general appearance
	AC11596-1R	243	318	76	23	76	0	1	1.067	0	20	0	0	1.0	4.0	3.5		2.5	4.0	5.0	1.0	
	MEAN	313	379	82	15	82	0	3	1.068	5	10	0	5	0.8	4.5	3.5		2.5	3.5	4.0	1.0	
White	MSFF031-6	525	574	91	8	91	0	1	1.065	0	0	2	0	1.5	4.5	3.5	2.5	1.0				blocky round tuber type, poor general appearance
Yellow	Mikado	447	554	59	41	59	0	0	1.080	0	30	0	0	2.0	4	2.5	3.0	3.5				flat oval
	MSHH224-1Y	419	548	88	10	88	0	2	1.062	0	2	0	0	1.5	4	3.0	3.0	3.0				oblong to long, misshapen pickouts
	Alaska Gold	380	486	79	16	79	0	6	1.079	0	0	0	0	2.5	4	3.5	2.5	2.5				points, growth cracks
	Rock	300	505	76	16	76	0	7	1.083	0	0	0	0	1.5	4	3.5	3.0	3.0				flat oval oblong
	MSGG039-11Y	274	312	79	9	79	0	12	1.076	0	10	0	0	2.0	4.5	3.5	3.0	3.0				severe powdery scab
	MUI2015-004-003	244	308	70	27	70	0	3	1.079	0	0	0	0	2.0	4.5	3.0	3.5	3.0				flat oblong to long, points
	Acoustic	232	296	81	18	81	0	1	1.059	0	30	0	0	2.0	4.5	2.5	2.5	2.5				flat round oval, pear shape
	Sound	219	496	44	55	44	0	1	1.071	0	20	0	0	2.0	4.5	3.5	3.0	2.5				flat oblong to long
	Stella Gold	184	262	78	12	78	0	10	1.079	0	20	0	0	0.5	4.5	3.0	2.5	3.0				smaller round uniform tuber type, good general appearance
	MEAN	300	419	73	23	73	0	5	1.074	0	12	0	0	1.8	4.3	3.1	2.9	2.9				

¹SIZE

Non-russet tablestock

Bs: < 1 7/8"

As: 1 7/8" - 3 1/4"

OV: > 3 1/4"

PO: Pickouts

% of total Values rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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: 7/9/2025

Rating 1-5

1: Slow emergence

5: Early emergence

⁶VINE MATURITY RATING

Date: 8/11/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date 5/27/2025

Vine Kill Date 9/1/2025

Harvest Date 9/23/2025

Days (planting to vine kill) 97

Days (planting to harvest) 119

CGDD₄₀ MAWN Station 3379 | Kewadin

CGDD₄₀ (planting to vine kill) 2839

Seed Spacing 10"

⁷WAXINESS RATING

1: Heavy netting, buff

5: Waxy, smooth

⁸FLESH

1: White

5: Dark

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

Tablestock Strip Variety Trial, Kitchen Farms, Inc., Antrim County

Planting: 5/27/2025 Vine Kill: 9/1/2025 Harvest: 9/23/2025

CGDD₄₀: 3379

SKIN COLOR	LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ⁴ (%)						COMMON SCAB RATING ²	VINE VIGOR ⁷	VINE MATURITY ⁸	YELLOW FLESH		RED SKIN				COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC				WAXINESS ⁷	FLESH COLOR ⁹	WAXINESS ⁷	SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹	
Purple	Blackberry	385	496	78	17	78	0	6	1.067	0	0	0	0	0.5	4.0	3.0			3.0	5.0	5.0	0.0	severe chimera on eyes, round tuber type, growth cracks, misshapen
	MEAN	385	496	78	17	78	0	6	1.067	0	0	0	0	0.5	4.0	3.0			3.0	5.0	5.0	0.0	
Red	MSHH161-06R	456	489	93	5	93	0	2	1.072	0	10	0	10	0.5	4.5	4.5			3.0	3.0	5.0	5.0	very scurfy, misshapen pickouts, trace of growth cracks, slight skinning
	MSHH176-2R	357	472	76	15	76	0	9	1.074	0	0	0	0	1.0	4.5	3.5			3.0	2.5	3.5	1.0	moderate skinning, small round tuber type, misshapen
	BNC981-1	332	389	85	12	85	0	3	1.071	0	0	0	0	1.0	4.5	3.5			3.0	4.0	3.0	1.0	mod skinning, flat round, misshapen pickouts
	Dark Red Norland	253	351	72	19	72	0	8	1.069	0	0	0	0	1.0	4.5	1.0			2.5	2.0	2.5	2.0	poor general appearance
	MSHH164-03RY	245	293	84	12	84	0	5	1.077	0	0	0	0	0.5	3.0	4.0			3.0	3.0	5.0	2.0	growth cracks, misshapen, mod skinning, uniform round tuber type
	MEAN	329	399	82	13	82	0	5	1.073	0	2	0	2	0.8	4.2	3.3			2.9	2.9	3.8	2.2	
White	Reba	534	560	95	4	95	0	1	1.064	0	0	0	0	1.0	4.5	2.5	3.0	1.0					blocky round oval,
	08 6840.1	373	464	80	10	80	0	10	1.076	0	10	0	10	1.5	4.0	5.0	3.0	1.5					blocky oval, pear shapes, points
	MEAN	453	512	88	7	88	0	5	1.070	0	5	0	5	1.3	4.3	3.8	3.0	1.3					
Yellow	MSHH224-1Y	427	546	78	17	78	0	5	1.063	0	0	0	0	2.0	4.0	2.5	3.5	2.0					flat oblong to long, growth cracks, points, not uniform tuber type
	Jelly	420	502	84	11	84	0	5	1.071	0	0	0	0	0.5	4.0	4.0	3.0	2.5					oval to oblong, not uniform tuber type, points, pear shapes
	Alaska Gold	401	531	76	6	76	0	18	1.082	10	20	0	0	1.5	4.0	4.5	2.5	2.5					lots of pear shapes, sticky stolons, growth cracks, misshapen, poor general appearance
	Colomba	365	426	86	5	86	0	10	1.054	0	0	0	0	1.0	4.5	3.5	4.0	4.5					large blocky oval to oblong, rough general appearance
	Chas	294	339	87	9	87	0	4	1.049	0	30	0	0	1.0	4.5	4.0	2.5	3.0					flat round oval, some growth cracks, points
	Saphia	286	446	64	17	64	0	19	1.066	0	0	0	0	1.0	4.0	3.5	3.0	2.0					oblong to long, svere bottlenecking
	Mikado	274	363	76	24	76	0	1	1.065	0	10	0	0	1.5	4.0	2.5	3.5	4.0					oval to oblong
	Queen Anne	264	433	61	37	61	0	2	1.057	0	0	0	0	1.5	4.0	3.5	3.5	4.5					oblong to long
	Christel	254	434	59	39	59	0	3	1.066	0	60	0	0	1.5	4.5	1.5	3.0	3.0					flat round oval, medium netted
	Isabelia	239	324	74	24	74	0	2	1.068	0	0	0	0	1.0	4.0	3.0	3.0	4.5					not uniform tuber type
	IPB8343-2W/Y	238	295	81	17	81	0	3	1.061	0	20	0	0	1.0	5.0	2.5	3.5	2.5					round blocky, deep eyes
	W15240-2Y	222	299	74	24	74	0	2	1.066	0	0	0	0	1.0	4.0	3.0	2.5	2.5					round oval, trace of pear shapes, not uniform, bright general appearance
	Tessa	219	400	55	39	55	0	6	1.067	0	20	0	0	2.0	4.5	2.5	3.0	3.0					very oblong to long, tubular
	Gala	182	339	54	36	54	0	10	1.071	0	10	0	0	1.0	4.5	1.5	3.0	4.5					round oval, points
	Jola	179	315	57	38	57	0	5	1.065	0	0	0	0	2.0	3.0	4.5	3.5	3.0					oblong to long, bright general appearance
	Odett	98	399	25	70	25	0	6	1.077	0	30	0	0	1.0	4.0	4.5	4.0	4.5					oblong to long, tubular
	Arthus	53	138	38	55	38	0	6	1.080	0	0	0	0	2.5	2.0	5.0	2.5	2.0					pink eye
	MEAN	260	384	66	27	66	0	6	1.066	1	12	0	0	1.4	4.0	3.3	3.1	3.2					

¹SIZE

Non-russet tablestock

Bs: < 1 7/8"

As: 1 7/8" - 3 1/4"

OV: > 3 1/4"

PO: Pickouts

% of total: Values rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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: 7/9/2025

Rating 1-5

1: Slow emergence

5: Early emergence

⁶VINE MATURITY RATING

Date: 8/11/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date

Vine Kill Date

Harvest Date

Days (planting to vine kill)

Days (planting to harvest)

CGDD₄₀ MAWN Station

Seed Spacing

5/27/2025

9/1/2025

9/23/2025

97

119

3379 | Kewadin

2839

10"

⁷WAXINESS RATING

1: Heavy netting, buff

5: Waxy, smooth

⁸FLESH

1: White

5: Dark

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

Tablestock Variety Trial, Styma Potato Farm, Presque Isle County

Planting: 05/30/2025 Vine Kill: 9/25/2025 Harvest: 10/14/2025
CGDD₄₀: 3366

SKIN COLOR	LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ⁴ (%)					COMMON SCAB RATING ⁵	VINE VIGOR ⁷	VINE MATURITY ⁸	YELLOW FLESH		RED SKIN			SILVER SCURF ¹¹	COMMENTS	
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	IHI	VD	IBS				BC	WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷	SKIN COLOR ⁹			UNIFORMITY ¹⁰
Red	Spartan Red	640	701	91	4	90	2	5	1.083	0	10	0	10	0.5	4.5	3.0		3.0	2.5	3.0	0.5	blocky round, not uniform, growth cracks, misshapen pick outs, severe skinning	
	MSHH161-06R	527	558	94	2	72	22	4	1.072	60	10	0	0	0.5	3.0	5.0		2.5	5.0	5.0	1.0	moderate alligator hide, large round tuber type, moderate skinning, growth cracks, sticky stolons	
	AC11596-1R	485	558	87	12	87	0	1	1.060	0	10	0	0	0.0	4.0	3.0		3.0	4.0	4.0	1.0	uniform round oval small tuber type, slight rhizoctonia	
	Dark Red Norland	428	500	86	11	86	0	4	1.059	0	0	0	0	0.0	4.0	2.0		3.0	3.0	3.0	1.0	misshapen, deep eyes, round oval, grub damage	
	MSHH164-03RY	358	446	80	11	80	0	9	1.075	0	0	0	20	1.0	2.5	2.5		2.5	3.0	3.0	1.0	rough general appearance, misshapen pick outs, not uniform color, growth cracks,	
	BNC981-1	237	284	83	13	83	0	3	1.075	0	30	0	0	0.5	3.0	3.0		3.0	3.5	4.0	1.0	blocky round oval, OK general appearance, trace of growth cracks	
	MSHH176-2R	176	228	78	17	78	0	5	1.062	10	10	0	0	0.5	2.0	4.0		4.0	4.0	4.0	-	not uniform tuber type, poor yield plot	
MEAN	407	468	86	10	82	3	4	1.069	10	10	0	4	0.4	3.3	3.2		3.0	3.6	3.7	0.9			
White	08 6840.1	659	768	86	7	85	1	7	1.068	0	0	0	0	1.0	4.0	5.0						blocky flat round oval, bright general appearance, not uniform, misshapen pick outs	
	MSFF031-6	657	697	94	4	89	5	1	1.063	0	0	0	0	0.5	4.5	2.5						moderate prominent lenticels, light netted, OK general appearance, deep apical eye	
	Reba	534	558	96	4	96	0	0	1.071	0	20	0	0	0.0	4.0	3.0						blocky round, light netted, deep apical eye	
	Superior	376	414	91	4	91	0	5	1.074	0	0	20	0	0.0	4.0	2.5						trace of pink eye, blocky oval, not uniform tuber type,	
	MEAN	557	609	92	5	90	2	3	1.069	0	5	5	0	0.4	4.1	3.3							
Yellow	Saphia	794	966	82	10	81	1	8	1.067	0	10	0	0	0.5	3.5	3.0	3.0	1.5					flat oblong to long, light to medium netted
	Chas	676	867	78	6	76	2	16	1.051	0	0	0	0	1.0	3.5	3.5	3.0	1.5					growth cracks, misshapen pick out, light netted, flat round oval
	Jelly	655	743	88	4	88	0	8	1.080	0	0	0	0	0.5	3.0	4.0	3.0	4.0					medium netted skin, blocky oval oblong, misshapen pick outs,
	MSGG039-11Y	613	683	90	5	89	1	5	1.070	10	0	0	0	1.0	3.5	3.0	3.0	3.0					blocky round, misshapen pick outs
	Alaska Gold	604	693	87	4	87	0	9	1.078	0	10	0	0	1.0	4.0	4.0	3.0	2.5					flat oval oblong, points, growth cracks
	Colomba	584	657	89	5	89	0	6	1.056	0	0	0	0	0.5	4.5	3.0	3.5	3.0					round oval blocky, misshapen, deep apical eye
	Rock	583	682	86	8	86	0	6	1.078	10	0	20	0	1.0	4.0	3.5	3.0	3.0					flat oval oblong, misshapen pick outs
	MUI2015-004-003	583	686	85	8	85	0	7	1.076	30	0	10	0	1.0	4.0	3.0	3.0	2.0					misshapen, bottlenecks, growth cracks, points, not uniform tuber type, flat oblong to long
	MSHH224-1Y	536	657	82	14	82	0	5	1.064	0	0	0	0	1.5	3.5	3.0	3.0	4.0					flat oval oblong, slight rot, light netted, growth crack pick outs
	Isabelia	513	688	74	21	74	0	4	1.065	0	0	0	0	0.0	4.5	3.0	2.5	3.5					flat oval oblong, medium netted
	Gala	459	582	79	17	79	0	4	1.061	0	0	0	0	1.0	4.5	-	3.0	3.5					oval pear shaped, growth cracks
	Sound	459	688	67	14	67	0	19	1.071	0	20	10	0	1.0	4.0	3.0	2.5	2.5					lots of misshapen, poor general appearance, light to medium netted, growth cracks, flat, knoby
	Odett	443	676	65	27	65	0	8	1.081	0	0	0	0	1.0	2.5	3.0	4.0	4.5					flat oblog long, pointed, light netted
	Queen Anne	391	590	66	31	66	0	3	1.065	0	0	0	0	1.0	3.5	3.0	3.0	4.0					light to medium netted, flat tubular oblong to long
	Stella Gold	384	497	77	21	77	0	1	1.063	0	0	0	0	0.0	3.5	4.5	3.0	4.0					prominent lentical, small round uniform tuber type
	Christel	369	487	76	19	76	0	5	1.055	30	0	0	0	0.0	3.5	3.5	3.0	3.0					moderate netted, flat oval oblong
	Acoustic	358	447	80	15	80	0	5	1.052	20	0	0	0	0.5	3.5	3.5	3.0	3.0					flat round oval, not uniform
	Mikado	327	467	70	26	70	0	4	1.053	0	0	0	0	1.5	4.5	2.5	3.0	2.0					growth cracks, large round oval, points, misshapen
	Jola	293	450	65	32	65	0	3	1.076	0	10	0	0	1.0	1.0	3.5	3.0	2.5					oval to oblong
	Arthus	269	364	74	14	74	0	12	1.089	70	0	0	0	0.5	1.0	4.5	2.5	3.0					poor tuber type, medium netted, misshapen pick out, prominent lenticels
	Samoa	259	332	78	18	78	0	4	1.071	0	0	0	0	0.5	1.0	2.5	3.0	4.5					flat oval to oblong, not uniform, medium netted
	Tessa	204	337	61	36	61	0	3	1.061	0	0	0	0	1.0	4.0	3.5	3.0	3.0					not uniform tuber type, small oblong to long, light netted
	MEAN	471	602	77	16	77	0	7	1.067	8	2	2	0	0.8	3.4	3.3	3.0	3.1					

SIZE

Non-russet tablestock

Bs: < 1 5/8"

As: 1 7/8" - 1 1/4"

OV: > 3 1/4"

PO: Pickouts

% of total: Values rounded to the nearest whole number

SPECIFIC GRAVITY

Total solids

RAW TUBER QUALITY

(percent of tubers out of 10)

IHI: Hollow Heart

VD: Vascular Discoloration

IBS: Internal Brown Spot

BC: Brown Center

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

VINE VIGOR RATING

Date: 7/6/2025

Rating: 1-5

1: Slow emergence

5: Early emergence

VINE MATURITY RATING

Date: 8/27/2025

Rating: 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date

Vine Kill Date

Harvest Date

Days (planting to vine kill)

Days (planting to harvest)

CGDD₄₀ MAWN Station

CGDD₄₀ (planting to vine kill)

Seed Spacing

5/30/2025

9/25/2025

10/14/2025

118

137

3366 | Hawks

3032

10"

WAXINESS RATING

1: Heavy netting, buff

5: Waxy, smooth

FLESH

1: White

5: Dark

SKIN COLOR

1: Light pink

5: Dark red

UNIFORMITY OF SKIN COLOR

1: Highly variable, non-uniform

5: Highly uniform, color throughout

SILVER SCURF

0: No incidence of silver scurf

5: High incidence of silver scurf

Tablestock Variety Trial, Verbrigghe Potato Farms, Delta County

Planting date: 5/30/2025 Vine kill: 9/6/2025 Harvest date: 10/7/2025

GDD₄₀: 3743

Category	LINE	CWT/A		PERCENT OF TOTAL ¹						RAW TUBER QUALITY ³ (%)				COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	Waxiness ⁷	Flesh Color ⁸	Waxiness ⁷	Skin Color ⁹	Skin Color Uniformity ¹⁰	Silver Scurf ¹¹
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC									
Chippers	NY174	536	560	96	4	94	2	0	1.076	0	0	0	0	.	3.5	3.0						
	Petoskey	268	314	85	14	85	0	1	1.082	0	0	0	0	0.0	3.0	3.5						
	MSBB058-1	225	280	80	20	80	0	0	1.079	0	0	0	0	0.0	5.0	3.0						
	Bliss	133	154	86	14	86	0	0	1.073	0	0	0	0	0.0	3.0	3.0						
	MEAN	290	327	87	13	86	0	0	1.078	0	0	0	0	0.0	3.6	3.1						
Red Skin	Spartan Red	419	474	88	9	81	7	2	1.064	0	0	0	0	3.0	5.0	4.0			3.0	5.0	Dark red	0.0
	MSHH176-2R	362	402	90	9	88	2	1	1.068	0	0	0	0	1.0	4.0	4.0			3.0	2.0	Pale red	0.0
	AC11596-1R	343	423	81	19	81	0	0	1.060	0	0	0	0	0.0	3.5	2.0			4.0	3.0	Dark blush	1.0
	Dark Red Norland	228	270	85	12	85	0	3	1.060	0	0	0	0	.	4.5	1.0			4.0	3.0	Blush	1.0
	MEAN	338	392	86	12	84	2	2	1.063	0	0	0	0	1.3	4.3	2.8			3.5	3.3	.	0.5
White Skin	MSFF031-6	462	492	94	5	77	17	1	1.063	0	0	0	0	0.0	4.5	3.5						
	Reba	389	410	95	5	92	3	0	1.069	0	20	0	0	.	4.0	3.0						
	08 6840.1	311	356	87	11	84	3	2	1.060	0	20	0	0	0.0	3.5	4.0						
	MEAN	387	419	92	7	85	8	1	1.064	0	13	0	0	0.0	4.0	3.5						
Yellow Skin	MSHH224-1Y	517	527	98	2	90	8	0	1.065	0	0	0	0	0.0	4.5	2.5	3.0	3.0				
	Chas	484	503	96	4	81	15	0	.	0	10	0	10	0.0	4.5	3.0	3.0	2.0				
	Gala	475	506	94	4	85	9	2	1.075	0	0	0	10	.	5.0	1.5	3.0	3.0				
	Tessa	351	415	85	11	82	3	5	1.065	0	0	0	20	.	4.0	1.5	2.0	3.0				
	Stella Gold	347	375	92	8	87	6	0	1.060	0	0	0	0	.	4.0	3.0	4.0	4.0				
	Jelly	346	362	96	3	84	12	2	1.068	0	0	0	0	1.0	3.0	4.0	2.0	4.0				
	Christel	338	372	91	7	81	9	2	1.060	0	0	0	0	.	4.0	3.0	3.0	5.0				
	Rock	325	402	81	19	81	0	0	1.072	0	0	0	0	0.0	4.5	3.0	4.0	2.0				
	Sound	283	327	86	11	81	5	2	1.067	0	0	0	0	0.0	4.0	2.0	4.0	2.0				
	Colomba	278	304	92	8	79	13	0	.	0	0	0	0	1.0	5.0	2.5	3.0	2.0				
	Queen Anne	254	295	86	11	86	0	3	.	0	0	0	0	1.0	4.5	3.5	4.0	4.0				
	MSGG039-11Y	254	481	53	46	51	2	1	1.062	0	0	0	0	2.0	3.5	3.0	3.0	3.0				
	Alaska Gold	201	339	59	41	59	0	0	1.060	0	20	0	0	1.0	4.0	3.0	4.0	5.0				
	Odett	166	341	49	51	46	3	0	1.067	0	0	0	0	0.0	3.0	3.5	5.0	4.0				
	MEAN	330	396	83	16	77	6	1	1.066	0	2	0	3	0.6	4.1	2.8	3.4	3.3				

¹SIZE

Bs: < 1 7/8", < 4 oz russets
As: 1 7/8" - 3 1/4", 4 - 10 oz russets
OV: > 3 1/4", >10 oz russets
PO: Pickouts
% of total Values are rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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: 7/12/2025
Rating 1-5
1: Slow emergence
5: Early emergence

⁶VINE MATURITY RATING

Date: 8/28/2025
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

⁷WAXINESS RATING

1: Heavy netting, buff
5: Waxy, smooth

⁸FLESH COLOR

1: White
5: Dark yellow

⁹SKIN COLOR

1: Light pink
5: Dark red

¹⁰UNIFORMITY OF SKIN COLOR

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

¹¹SILVER SCURF

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

FIELD DATA

Planting Date 5/30/2025
Vine Kill Date 9/6/2025
Harvest Date 10/7/2025
Days (planting to vine kill) 99
Days (planting to harvest) 130
GDD₄₀ MAWN Station 3743 Escanaba
GDD₄₀ (planting to vine kill) 2918
Seed Spacing 12"

Replicated Tablestock Variety Trial, Walther Farms, Cass County

Planting: 5/09/2025 Vine Kill: 8/28/2025 Harvest: 9/26/2025

GDD₄₀: 4089

SKIN COLOR	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 ³	HH	VD	IBS	BC				WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷	SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹	
Red	Spartan Red	439	502	88	12	88	0	0	1.069	0	23	0	0	1.2	1.3	2.3			2.0	2.5	3.5	3.0	flat round, moderate skinning, sticky stolons, black scurf
	AC11596-1R	391	484	81	18	81	0	1	1.058	0	13	0	0	1.0	1.2	2.5			3.0	3.5	3.0	3.0	round uniform tuber type, severe silver scurf
	MSHH176-2R	359	434	83	13	83	0	1	1.064	0	20	0	0	0.5	1.2	2.5			2.5	4.5	4.5	2.0	mild silver scurf, sticky stolons
	MSHH161-06R	318	342	92	5	92	0	2	1.057	0	3	47	0	1.0	1.0	2.7			3.0	5.0	4.5	3.0	severe silver scurf, sticky stolons, round tuber type
	Dark Red Norland	297	360	82	17	82	0	0	1.057	0	40	0	0	0.2	1.0	2.7			2.5	3.0	3.0	3.0	severe silver scurf, uniform tuber type
	MSHH164-03RY	199	237	82	16	82	0	2	1.064	0	17	7	3	0.2	1.2	2.8			2.5	3.0	3.5	2.5	moderate silver scurf, round oval tuber type, slight black scurf
	MEAN	334	393	85	14	85	0	1	1.062	0	19	9	1	0.7	1.1	2.6			2.6	3.6	3.7	2.8	
White	MSFF031-6	436	514	84	16	84	0	0	1.066	0	23	0	0	0.5	1.2	2.2	2.5	1.0					round oval blocky, nice general appearance, sheep nose
	08 6840.1	415	503	81	8	81	1	11	1.062	0	40	0	0	1.0	1.3	1.5	2.5	1.0					round oval blocky, knoby, heat sprout, not uniform
	MEAN	425	509	83	12	82	0	6	1.064	0	32	0	0	0.8	1.3	1.8	2.5	1.0					
Yellow	Colomba	497	550	91	8	91	0	1	1.055	0	47	0	0	0.3	1.3	2.5	3.0	2.0					severe heat sprout
	MSGG039-11Y	385	433	89	10	89	0	0	1.069	0	13	3	0	0.3	1.2	2.3	3.0	2.0					round oval blocky, pine conning
	Saphia	382	538	70	18	70	0	8	1.055	0	13	7	7	0.3	1.0	2.7	2.5	2.0					long, pointy tear drop shape, oblong, lots of pick outs, fissuring
	Acoustic	358	420	85	11	85	0	3	1.052	3	47	0	0	0.8	1.0	2.0	3.0	3.0					severe heat stress, points, flat round oval
	Chas	358	484	74	19	74	0	6	1.052	0	37	0	0	0.3	1.0	2.7	3.0	2.5					severe heat stress, knobles, round oval
	Stella Gold	339	436	78	21	78	0	2	1.059	0	27	0	0	0.8	1.2	2.5	2.5	3.0					small round tuber size, nice general appearance
	Alaska Gold	336	478	70	10	70	0	13	1.071	0	10	63	0	1.5	1.3	2.3	2.0	2.0					severe heat stress, knoby, growth cracks, sticky stolons
	MUI2015-004-003	334	449	75	18	75	0	5	1.068	7	3	0	0	0.8	1.0	2.3	3.0	2.5					misshaped, pine conning
	W15240-2Y	290	417	69	27	69	0	2	1.058	0	20	3	0	0.5	1.2	2.5	2.5	2.5					points
	Gala	277	398	70	30	70	0	0	1.061	0	47	0	0	0.3	1.2	2.5	3.0	3.0					small round uniform tuber type, light netted
	MSH320-04Y	271	304	89	9	85	4	2	1.050	0	20	0	0	0.7	1.0	2.7	2.5	2.5					round oval blocky, medium netted
	Jelly	262	324	80	16	80	0	4	1.067	0	37	0	0	0.3	1.2	2.5	2.0	2.5					nice general appearance, points, round oval
	MSHH224-1Y	254	365	69	29	69	0	2	1.059	0	33	7	0	0.8	1.2	2.0	3.0	3.0					round oval, points
	IPB8343-2W/Y	244	366	66	33	66	0	0	1.060	3	20	30	0	0.7	1.2	2.3	2.5	2.5					round oval, fissuring, sheep nose, small size
	Christel	239	363	66	30	66	0	4	1.052	0	43	17	0	0.3	1.2	2.7	3.0	3.0					growth cracks, heat stress, flat round oval, points, medium netted
	Mikado	230	344	67	32	67	0	0	1.059	0	50	13	0	0.5	1.0	2.2	2.5	2.5					not uniform tuber type
	Queen Anne	196	349	56	41	56	0	2	1.053	0	20	0	0	1.0	1.2	2.2	3.0	2.5					oblong
Odett	182	386	47	46	47	0	7	1.069	0	33	3	0	0.5	1.2	2.3	3.0	3.5					misshaped, points, heat sprouts	
Tessa	161	307	52	44	52	0	4	1.066	0	17	0	0	1.3	1.3	2.3	2.5	3.0					misshaped, poor general appearance, oblong	
Sound	141	352	40	49	40	0	8	1.057	0	27	3	0	1.2	1.2	2.3	2.5	2.0					misshaped, points, not uniform tuber size, flat, pine conning	
Rock	129	250	51	48	47	4	1	1.072	0	33	7	0	1.0	1.0	2.3	2.5	2.5					small round oval tuber type	
T11	105	169	62	38	62	0	0	1.057	0	0	20	0	0.5	1.0	2.5	2.5	1.0						
	MEAN	271	385	69	27	69	0	3	1.060	1	27	8	0	0.7	1.1	2.4	2.7	2.5					

¹**SIZE**
Non-russet tablestock
Bc: <1.78"
As: 1.78" - 3.14"
OV: > 3.14"
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: 6/5/2025
Rating 1-5
1: Slow emergence
5: Early emergence

⁶**VINE MATURITY RATING**
Date: 8/8/2025
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

FIELD DATA
Planting Date: 5/9/2025
Vine Kill Date: 8/28/2025
Harvest Date: 9/26/2025
Days (planting to vine kill): 110
Days (planting to harvest): 139
GDD₄₀ MAWN Station 4089 Cassopolis
GDD₄₀ (planting to vine kill): 3339
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

Statewide Table Russet Variety Trials: Summary Across Nine Locations

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR ²	RAW TUBER QUALITY ³ (%)				COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
MUI2015-004-003 ^b	591	750	78	11	64	14	10	1.068	10	0	0	0	2.0	1.0	3.5	dark russetting, misshapen pickouts, growth cracks, oblong tuber type
AOR15166-2 ^{abcde} fgi	562	616	91	7	75	16	2	1.087	0	10	0	0	0.8	2.1	3.2	light russetting, oblong to long flat, good general appearance, growth cracks
T11 ⁱ	526	684	77	22	71	6	1	1.069	0	10	0	0	1.5	2.5	2.5	medium russetting, trace of alligator skin, points, misshapen, flat oval oblong
Silverton Russet^{abcde}fgi	461	580	77	12	62	15	10	1.067	14	11	1	6	0.3	2.1	3.5	moderate alligator hide, misshappen, knobs, medium russetting, growth cracks
A12327-5VR ^{abcde} ghi	457	616	75	10	51	24	16	1.069	14	9	3	0	0.4	2.6	3.3	dark russet, growth cracks, good general appearance, alligator hide, oblong, some misshapen
Reveille Russet^{abcde}fgi	442	583	75	9	56	18	17	1.065	0	14	6	0	0.2	1.8	3.1	light russetting, heat sprouts, not uniform
AF5736-16 ^{abcde} fgi	412	479	85	9	70	15	6	1.081	22	11	10	2	0.5	1.7	3.8	medium russet, blocky oblong to long, slight deep eyes
AAF15096-1 ^g	411	487	84	11	75	9	4	1.085	0	10	0	0	1.0	4.0	4.0	light medium russetting, poor general appearance, misshapen pick outs
AAF10596-1 ^{abcde} fi	409	505	80	14	68	13	6	1.080	26	13	0	1	1.4	1.9	2.5	medium to dark russetting, not uniform tuber type, oblong, points
A18077-11TE ^{abcde} fgi	408	537	75	12	68	8	13	1.078	8	20	3	2	0.5	2.2	2.9	light russetting, growth cracks pickouts, misshapen, blocky to oblong
AF6377-10 ^{abcde} fgi	407	478	84	8	60	24	8	1.071	29	14	1	0	0.3	2.0	2.6	light to medium russet, flat blocky oblong, OK general appearance, some misshapes
A18476-3adg ^{abcde} fgi	395	540	73	16	66	7	10	1.077	4	12	0	0	0.7	1.7	3.4	dark russetting, not uniform, moderate alligator skin, misshapen, growth cracks
AF7001-5 ^{abcde} fgi	395	500	79	15	71	8	7	1.079	16	18	0	0	0.5	1.9	2.9	growth cracks pickouts, medium russet, slight skinning, elongated, alligator hide
AF6377-12 ^{abcde} fgi	386	449	85	8	68	18	7	1.076	36	13	1	3	0.6	1.8	2.6	medium dark russetting, nice general appearance, oblong to long, trace of growth cracks, misshappen
Vanguard^{abcde}fgi	386	474	78	15	72	6	7	1.059	0	6	0	0	0.5	2.1	2.2	medium russetting, oval to oblong, medium tuber size, nice tuber type but scabby
W20059-12RUS ^{abcde} fgi	374	529	71	15	59	12	15	1.064	5	10	4	0	0.5	2.2	3.7	growth cracks, misshapen, med russetting, not uniform tuber type, oblong
Russet Norkotah^{abcde}fgi	370	506	71	17	54	17	12	1.066	24	21	1	0	0.8	2.3	2.9	knoby, medium russet, misshapen, pine coning, growth cracks, alligator hide
W20039-15RUS ^{abcde} fgi	362	460	79	13	69	10	8	1.060	0	14	2	7	0.7	2.3	2.5	dark russetting, OK general appearance, misshapen pick outs, growth cracks
A13091-5 ^{abcde} fgi	353	444	79	16	72	6	4	1.076	9	28	1	0	0.8	2.4	3.0	poor general appearance, moderate alligator skin, medium to dark russetting, elongated
A15077-9TE ^{abcde} fgi	347	427	75	10	57	18	17	1.076	53	10	0	0	0.5	1.9	3.6	moderate growth cracks, alligator hide, bottlenecks, not uniform, dark russetting
A18057-2TE ^{abcde} fgi	332	466	71	14	63	8	15	1.069	0	19	0	0	1.4	2.1	2.9	slight alligator hide, trace of rots, blocky oblong to long, medium russet, severe growth cracks, misshapen
Gold Rush^{abcde}g	297	403	70	15	59	11	15	1.063	6	4	0	0	0.1	2.2	2.9	medium russetting, oblong, small tubers, pine coning, very tubular
A18224-2 ⁱ	278	482	53	30	50	3	17	1.054	0	30	0	0	0.5	2.3	4.0	tubular, knoby, point, medium russetting, misshape, oblong to long
OR11222-4 ⁱ	185	451	41	41	41	0	18	1.064	0	80	0	0	0.5	1.5	2.5	medium dark russet, flat oblong, misshappen pick outs
CO15070-4RUS ^{abcde} fgi	164	334	48	45	48	0	6	1.064	0	7	0	0	0.0	2.2	2.2	medium russetting, blocky oval oblong, good general appearance, not uniform tuber type
MEAN	388	511	74	16	63	11	10	1.071	11	16	1	1	0.7	2.1	3.0	

2025 Table Russet Variety Trial Sites

4-L Farms, Inc.^c
Elmaple Farms LLC^b
Horkey Brothers Farms^c
Jenkins Potato Farm^d
Kitchen Farms, Inc.^e
Lennard Ag Co.^f
Styma Potato Farm^g
Verbrigghe Potato Farms^h
Walther Farmsⁱ

¹SIZE

Russets
Bs: < 4 oz
As: 4 - 10 oz
OV: > 10 oz
PO: Pickouts
% of total: Values are rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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: 6/10/2025
Rating 1-5
1: Slow emergence
5: Early emergence (vigorous vine, some flowering)

⁶VINE MATURITY RATING

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

Russet Variety Trial, 4-L Farms, Inc., Kalamazoo County

Planting: 05/19/2025 Vine Kill: 10/02/2025 Harvest: 10/15/2025

CGDD₄₀: 4102

LINE	CWT/A		US#1	PERCENT OF TOTAL ¹				SP GR ²	RAW TUBER QUALITY ⁴ (%)				COMMON SCAB RATING ⁵	VINE VIGOR ⁷	VINE MATURITY ⁸	COMMENTS
	US#1	TOTAL		Bs	As	OV	PO		HH	VD	IBS	BC				
A12327-5VR	663	891	74	2	24	50	24	1.058	40	0	0	0	0.5	1.0	3.0	misshapen, medium russetting, pineconing, growth cracks
Russet Norkotah	594	785	75	3	23	52	21	1.069	70	0	0	0	0.5	1.0	2.5	moderate alligator hide, misshappen, knobs
Reveille Russet	563	760	74	6	35	39	19	1.064	0	0	10	0	0.5	1.0	2.5	blocky, oblong, knoby, misshapen, severe skinning, growth cracks
AOR15166-2	553	587	94	2	50	44	3	1.082	0	0	0	0	0.0	1.0	2.5	blocky oblong, medium dark russet, good general appearance, trace of growth cracks
AAF10596-1	510	582	87	4	47	40	9	1.083	60	0	0	0	0.5	1.0	2.0	blocky oblong to long, knoby, rough dark russetting
Vanguard	497	635	78	6	53	25	16	1.062	0	0	0	0	0.5	1.0	2.0	medium dark russetting, blocky oblong, misshappen pick outs
Silverton Russet	426	543	78	6	48	30	15	1.065	40	0	0	0	0.5	1.0	3.0	medium russet, not uniform tuber type, growth crack traces
A18077-11TE	422	534	78	8	50	28	13	1.078	10	0	0	0	0.5	1.0	2.5	medium dark russetting, not uniform tuber type
A18476-3adg	417	566	73	5	53	20	21	1.070	30	0	0	0	1.0	1.0	3.0	medium dark russet, not uniform tuber type, misshappen pick out, rough general appearance, growth cracks
AF6377-10	393	513	76	2	28	48	22	1.068	10	0	0	0	1.0	1.0	2.0	moderate growth cracks, large blocky oblong, pear shape, points
A18057-2TE	390	586	66	10	43	23	23	1.072	0	0	0	0	1.5	1.0	2.0	oblong tuber type, growth crack, misshappen, knoby, medium russetting
AF5736-16	363	423	86	4	41	45	10	1.083	10	0	60	0	0.0	1.0	3.0	medium dark russetting, long blocky tuber type
AF6377-12	316	406	78	5	24	54	17	1.076	70	0	0	0	0.5	1.0	2.5	growth cracks, blocky oblong, dark russet
W20059-12RUS	314	513	61	4	30	31	34	1.061	0	10	0	0	0.5	1.0	2.0	heavy russetting, blocky oblong, knobby, trace of growth cracks, alligator skin
W20039-15RUS	314	377	83	8	52	31	9	1.051	0	10	0	0	1.0	1.0	3.0	dark russet, oblong tuber type, pointy, trace of growth cracks, not uniform tuber type
AF7001-5	251	304	82	10	46	36	8	1.073	70	0	0	0	1.0	1.0	3.5	light to medium russetting, not uniform tuber type
CO15070-4RUS	206	294	69	25	68	1	5	1.064	0	0	0	0	0.0	1.0	2.0	medium dark russetting, tubular, points, pine conning
A15077-9TE	107	219	48	6	29	19	45	1.078	40	0	0	0	0.5	1.0	2.5	severe growth crack pick outs, poor yield
A13091-5	99	131	74	25	65	9	0	1.076	0	20	0	0	0.5	1.0	3.0	poor yield
Gold Rush	86	172	49	20	42	7	30	1.049	10	0	0	0	0.5	1.0	3.0	heavy russetting, misshappen, poor yield, growth cracks, pine conning
MEAN	374	491	74	8	43	32	17	1.069	23	2	4	0	0.6	1.0	2.6	

¹SIZE

Bs: < 4 oz

As: 4 - 10 oz

OV: > 10 oz

PO: Pickouts

% of total: Values rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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: 06/10/2025

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 5/19/2025

Vine Kill Date 10/2/2025

Harvest Date 10/15/2025

Days (planting to vine kill) 136

Days (planting to harvest) 149

GDD₄₀ MAWN Station 4102

GDD₄₀ (planting to vine kill) 3856

Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 08/21/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

Russet Variety Trial, Elmaple Farms LLC, Kalkaska County

Planting: 05/15/2025 Vine Kill: 9/12/2025 Harvest: 10/05/2025

CGDD₄₀: 3365

LINE	CWT/A		PERCENT OF TOTAL ¹						RAW TUBER QUALITY ³ (%)				COMMON SCAB	VINE	VINE	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	RATING ⁴	VIGOR ⁵	MATURITY ⁶	
AOR15166-2	654	686	94	4	67	27	1	1.088	0	20	0	0	1.5	1.5	4.0	medium to light russet, blocky oblong, nice general appearance
Reveille Russet	631	749	84	7	50	34	9	1.064	0	10	0	0	0.5	1.0	4.5	trace of pink eye, misshappen, medium dark russet, blocky, not uniform tuber type
MUI2015-004-003	591	750	78	11	64	14	10	1.068	10	0	0	0	2.0	1.0	3.5	medium dark russet, flat oblong, misshappen pick outs
A12327-5VR	571	629	89	7	51	38	2	1.071	10	0	0	0	1.5	1.5	3.5	dark russet, blocky oblong, good general appearance, misshappen pick outs
Silverton Russet	562	648	86	11	79	7	3	1.070	0	10	0	0	0.0	1.5	3.5	flat oblong to long, light to medium russet, uniform tuber type
W20059-12Rus	554	634	86	11	72	14	2	1.069	0	20	20	0	0.5	1.0	4.5	medium russet, flat oblong to long, good general appearance, slight rhizoctonia
AF5736-16	535	581	91	6	76	15	2	1.087	10	40	0	0	1.0	1.0	4.5	light to medium russet, flat blocky oblong, OK general appearance
AF7001-5	526	646	81	11	73	8	8	1.078	20	0	0	0	0.5	1.0	3.5	growth cracks, medium russet skin, misshappen pick out
Gold Rush	506	636	79	10	65	14	11	1.068	0	0	0	0	0.0	1.5	3.0	misshappen pick outs, dark russet, uniform tuber type
A18476-3adg	500	583	85	9	77	8	5	1.087	0	0	0	0	0.5	1.0	3.5	medium russet, not uniform
Russet Norkotah	478	616	77	11	61	16	12	1.063	0	10	0	0	0.5	1.5	3.5	not uniform tuber type, dark russet, misshappen pick out
AF6377-12	469	540	86	8	76	10	5	1.079	0	50	0	0	0.5	1.0	3.5	heavy dark russet, medium tuber type, nice general appearance, slight skinning
AF6377-10	461	502	91	5	56	35	3	1.068	30	10	0	0	0.5	1.0	3.0	blocky, medium haevy netted, slight skinning
Vanguard	460	642	71	15	66	5	13	1.056	0	10	0	0	0.0	1.0	2.5	misshappen pick outs, knobs, small oval to oblong, medium russet
A18077-11TE	454	571	79	10	72	7	10	1.077	0	0	0	0	1.0	1.5	3.5	pine conning, dark russet,
AAF10596-1	443	539	81	12	63	18	6	1.078	10	0	0	10	1.5	1.5	3.5	not uniform tuber type, medium dark russet, misshappen pick outs
W20039-15Rus	436	554	78	15	70	8	7	1.056	0	20	10	0	0.5	1.0	2.5	light russet, nice tuber type, a little pointy
A18057-2TE	402	501	79	13	73	6	6	1.069	0	0	0	0	2.0	1.0	3.5	light russet, not uniform skin type
A15077-9TE	346	436	79	8	65	14	12	1.080	0	20	0	0	0.5	1.0	4.0	medium dark russet, misshappen pick outs, growth cracks
CO15070-4Rus	162	338	47	47	47	0	5	1.064	0	0	0	0	0.0	1.5	2.5	long tubular, small, medium dark russet
MEAN	487	589	81	12	66	15	6	1.072	5	11	2	1	0.8	1.2	3.5	

¹SIZE

Russets

Bs: < 4 oz

As: 4 - 10 oz

OV: > 10 oz

PO: Pickouts

²SPECIFIC GRAVITY

Total solids

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

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4.0: Pitted lesions severe on tubers

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

⁵VINE VIGOR RATING

Date: 06/10/2025

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 5/15/2025

Vine Kill Date 9/12/2025

Harvest Date 10/5/2025

Days (planting to vine kill) 120

Days (planting to harvest) 143

CGDD₄₀ MAWN Station 3365 Kalkaska

CGDD₄₀ (planting to vine kill) 2830

Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 08/11/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

Russet Variety Trial, Horkey Brothers Farm, Monroe County

Planting: 4/23/2025 Vine Kill: 9/1/2025 Harvest: 9/18/2025

CGDD₄₀: 4027

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR ²	RAW TUBER QUALITY ³ (%)				COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
AOR15166-2	735	756	97	1	97	0	1	1.079	0	10	0	0	3.0	2.5	2.0	light russetting, oblong shape, uniform tuber type, scab
Silverton Russet	537	676	79	12	79	0	8	1.062	0	40	0	30	0.5	2.0	3.0	light russetting, some points, misshapes, ok, oblong
A18077-11TE	486	605	80	9	80	0	11	1.076	0	90	0	0	0.0	2.0	1.5	dark russetting, sticky stolons, elongated oblong
Reveille Russet	484	612	79	6	79	0	15	1.058	0	10	10	0	0.0	1.5	2.0	knoby, elongated oblong, medium russetting, ok general appearance
AF6377-12	464	480	97	3	97	0	1	1.074	10	40	10	0	1.0	1.5	1.5	medium russetting, elongated oblong, ok general appearance
AF5736-16	438	481	91	5	91	0	4	1.053	0	10	0	0	1.0	1.5	2.0	medium russetting, uniform tuber type, elongated oblong, traces of misshapes, nice general appearance
AAF10596-1	411	497	83	12	83	0	5	1.072	0	0	0	0	2.0	2.0	1.0	medium russetting, uniform tuber type
A13091-5	406	481	84	14	84	0	1	1.075	0	70	0	0	1.5	2.5	1.0	uniform oblong tuber type, medium russetting
A15077-9TE	394	369	83	2	83	0	14	1.071	10	30	0	0	0.5	1.5	2.5	light russetting, oblong, ok general appearance
AF7001-5	391	458	85	11	85	0	4	1.076	0	90	0	0	0.5	1.5	2.0	light russetting, uniform tuber type, nice general appearance, elongated/oblong
AF6377-10	381	425	90	10	90	0	0	1.071	0	30	0	0	0.5	1.5	1.0	uniform tuber shape, lt russetting, oblong, nice general appearance
W20039-15Rus	370	464	80	13	80	0	7	1.066	0	30	0	0	1.0	2.0	1.5	light russetting, oblong tuber type, uniform tuber type, nice general appearance
A18057-2TE	325	491	66	11	66	0	23	1.065	0	60	0	0	2.5	2.0	2.0	mishapen, no b's, points, uniform tuber type
Vanguard	308	357	86	12	86	0	2	1.054	0	20	0	0	0.5	2.0	1.0	light russetting, elongated, uniform tuber type
A12327-5VR	303	642	47	11	47	0	42	1.067	0	20	0	0	0.5	2.5	2.5	medium russetting, elongated to oblong, pick outs - misshapes
A18476-3adg	296	610	49	26	49	0	25	1.075	0	60	0	0	0.5	1.5	1.5	light russetting, non uniform tuber type, knobby, points, heat sprouts
W20059-12Rus	266	587	45	22	45	0	33	1.054	0	10	0	0	0.5	1.5	2.5	medium russetting, misshapes, elongated
Russet Norkotah	252	381	66	24	66	0	10	1.058	0	90	0	0	2.5	1.5	1.0	medium russetting, points, knobs, misshapes, points
CO15070-4Rus	210	390	54	43	54	0	3	1.060	0	10	0	0	0.0	2.0	1.0	dark russetting, elongated tuber type, nice general appearance
MEAN	392	514	75	13	76	0	11	1.067	1	38	1	2	1.0	1.8	1.7	

¹SIZE

Russets

Bs: < 4 oz

As: 4 - 10 oz

OV: > 10 oz

PO: Pickouts

% of total: Values are rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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: 6/04/2025

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 4/23/2025

Vine Kill Date 9/1/2025

Harvest Date 9/18/2025

Days (planting to vine kill) 131

Days (planting to harvest) 148

CGDD₄₀ MAWN Station 4027

CGDD₄₀ (planting to vine kill) 3647

Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 8/11/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

Deerfield/Blissfield

Russet Variety Trial, Jenkins Potato Farm, Kalkaska County

Planting: 5/15/2025 Vine Kill: 8/25/2025 Harvest: 10/03/2025

CGDD₄₀: 3300

LINE	CWT/A		PERCENT OF TOTAL ¹						RAW TUBER QUALITY ³ (%)				COMMON SCAB	VINE	VINE	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	RATING ⁴	VIGOR ⁵	MATURITY ⁶	
Reveille Russet	581	686	85	8	71	14	8	1.069	0	0	0	0	0.0	1.0	3.0	growth cracks
AF6377-10	557	612	91	2	61	30	7	1.073	70	0	0	0	0.0	1.0	3.0	growth cracks, dark russetting, elongated, blocky
A18476-3adg	544	617	88	10	83	5	2	1.090	0	0	0	0	0.5	1.0	4.5	medium to dark russetting, fairly uniform tuber type
A18077-11 TE	503	595	85	8	80	5	8	1.071	6	0	0	10	0.0	1.5	3.5	heavy eye growth, medium russetting,
AAF10596-1	466	542	86	12	69	17	2	1.085	60	0	0	0	1.0	1.5	3.0	
AF5736-16	461	508	91	7	67	24	2	1.087	30	0	0	0	0.5	1.0	5.0	light to medium russet, flat elongated
AF6377-12	453	514	88	9	70	18	3	1.073	90	0	0	0	0.0	1.0	3.0	dark russetting, trace of growth cracks, not uniform tuber type, slight skinning
W20039-15Rus	440	514	85	12	70	15	3	1.062	0	0	0	0	0.5	1.5	2.5	trace of alligator hide, light russet, flat blocky tuber type
A12327-5VR	440	541	81	11	60	21	8	1.071	60	0	0	0	0.0	1.5	3.5	misshapen, growth cracks ,dark russetting,
AOR15166-2	416	518	80	17	75	6	2	1.091	0	0	0	0	0.0	1.5	3.5	nice general appearance, trace of black scurf,
AF7001-5	410	522	78	15	75	4	6	1.082	40	0	0	0	0.0	1.0	3.0	light russesty, slight rhizoctonia, pine coning
A15077-9TE	400	458	87	12	64	23	1	1.081	100	0	0	0	0.0	1.5	4.0	moderate rhizoctonia, moderate pine cone, traces of growth cracks
Vanguard	375	439	85	13	81	4	1	1.061	0	0	0	0	1.0	1.5	3.0	dark russetting, OK general appearance
Russet Norkotah	349	455	77	11	59	18	12	1.063	50	0	0	0	0.0	1.5	3.5	slight aligator hide, mishappen pick outs,
A13091-5	334	422	79	20	78	1	1	1.077	20	20	0	0	1.0	1.5	3.0	poor general appearance, moderate alligator skin, medium to dark russetting, elongated
A18057-2TE	318	405	79	20	77	1	1	1.079	0	0	0	0	1.0	1.5	3.5	light russetting, slight rhizoctonia
Silverton Russet	310	398	78	14	73	4	8	1.066	20	10	0	0	0.0	1.5	4.0	medium russetting, trace of aligator skin,
Gold Rush	276	388	71	15	59	12	14	1.062	0	20	0	0	0.0	1.5	2.5	heavy russted, flat oblong to long tuber type, mishappen, trace of growth cracks
W20059-12Rus	271	360	75	18	68	8	7	1.062	10	20	0	0	0.0	1.0	4.0	pine conning, deeper eyes, medium russet, flat
CO15070-4RUS	94	271	35	60	35	0	5	1.068	0	0	0	0	0.0	1.5	2.5	dark russetting, tiny tuber
MEAN	400	488	80	15	69	12	5	1.074	28	4	0	1	0.3	1.3	3.4	

¹SIZE

Russets

Bs: < 4 oz

As: 4 - 10 oz

OV: > 10 oz

PO: Pickouts

% of total: Values are rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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: 6/10/2025

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 5/15/2025

Vine Kill Date 8/25/2025

Harvest Date 10/3/2025

Days (planting to vine kill) 102

Days (planting to harvest) 141

CGDD₄₀ MAWN Station 3300 Kalkaska

CGDD₄₀ (planting to vine kill) 2556

Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 8/15/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

Russet Strip Variety Trial, Kitchen Farms, Inc., Antrim County

Planting: 5/27/2025 Vine Kill: 9/1/2025 Harvest: 9/23/2025

CGDD₄₀: 3379

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR ²	RAW TUBER QUALITY ³ (%)				COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
A13091-5	386	474	81	11	81	0	7	1.077	40	0	0	0	1.0	5.0	4.0	medium russetting, misshapen pickouts
A15077-9TE	509	572	89	7	89	0	.	1.088	80	0	0	0	0.5	4.5	5.0	slight aligator hide, trace of rots, blocky oblong to long, medium russet
A18476-3adg	388	482	80	13	80	0	6	1.077	0	0	0	0	1.0	4.0	4.0	medium russetting, not uniform tuber type
GoldRush	240	339	71	22	71	0	7	1.064	0	0	0	0	0.0	4.0	3.0	dark russetting, misshapen pickouts,
Reveille Russet	223	326	69	13	69	0	18	1.075	0	0	20	0	0.5	4.0	3.5	misshapen pickouts
Russet Norkotah	329	448	73	17	73	0	10	1.078	20	0	0	0	0.0	4.0	3.5	growth cracks, missahpen,
Silverton Russet	478	577	83	14	83	0	3	1.075	0	0	0	10	0.0	4.5	4.0	nice uniform, medium russetting, nice general appearance
Vanguard	277	335	83	12	83	0	5	1.068	0	0	0	0	0.5	4.5	2.5	medium russet, misshapen pickouts,
W20039-15RUS	357	448	80	11	80	0	9	1.064	0	0	0	50	0.5	5.0	2.0	growth cracks, misshapen, med russetting
W20059-12RUS	396	468	84	14	84	0	2	1.077	10	1	10	0	0.5	4.5	4.5	uniform medium russetting, deep eyes
MEAN	358	447	79	13	79	0	8	1.074	15	0.1	3	6	0.5	4.4	3.6	

¹SIZE

Russets

Bs: < 4 oz

As: 4 - 10 oz

OV: > 10 oz

PO: Pickouts

% of total: Values are rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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: 7/9/2025

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 5/27/2025

Vine Kill Date 9/1/2025

Harvest Date 9/23/2025

Days (planting to vine kill) 97

Days (planting to harvest) 119

CGDD₄₀ MAWN Station 3379 Kewadin

CGDD₄₀ (planting to vine kill) 2839

Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 8/11/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

Russet Mini-Bulk Variety Trial, Kitchen Farms, Inc., Antrim County

Planting: 5/27/2025 Vine Kill: 9/1/2025 Harvest: 9/23/2025

CGDD₄₀: 3379

LINE	CWT/A		PERCENT OF TOTAL ¹					SP	RAW TUBER QUALITY ³ (%)				COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
A12327-5VR	406	522	78	5	78	0	17	1.081	0	0	0	0	0.0	4.5	4.0	heavy dark russet, oval to oblong, growth cracks pickouts
A18057-2TE	381	478	80	14	80	0	6	1.073	0	0	0	0	1.0	4.0	3.5	light russetting, growth cracks pickouts, misshapen
A18077-11TE	349	413	84	10	84	0	5	1.077	0	10	0	0	0.5	5.0	3.5	medium russetting, flat oval oblong, misshapen
AAF10596-1	355	462	77	19	77	0	4	1.089	10	20	0	0	2.0	4.0	3.0	light medium russetting
AF5736-16	401	468	86	10	86	0	5	1.073	30	0	0	0	0.5	4.5	5.0	flat oblog long, medium russetting, OK general appearance
AF6377-10	472	521	90	6	90	0	4	1.080	90	0	0	0	0.0	4.5	3.5	nice medium russet, blocky oblong to long, trace of growth cracks, knobs
AF6377-12	322	388	83	9	83	0	8	1.082	0	0	0	10	0.0	4.0	3.0	Growth cracks pickouts, medium russet
AF7001-5	431	543	79	12	79	0	8	1.089	0	0	0	0	0.5	4.5	4.0	light russetting, oblong to long flat, good general appearance
AOR15166-2	420	479	88	10	88	0	2	1.089	0	10	0	0	0.0	4.0	4.0	medium russetting, blocky oval oblong
C015070-4Rus	211	407	52	43	52	0	6	1.069	0	0	0	0	0.0	5.0	2.5	Very tubular
MEAN	375	468	80	14	80	0	6	1.080	13	4	0	1	0.5	4.4	3.6	

¹SIZE

Russets

Bs: < 4 oz

As: 4 - 10 oz

OV: > 10 oz

PO: Pickouts

% of total: Values are rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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: 7/9/2025

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 5/27/2025

Vine Kill Date 9/1/2025

Harvest Date 9/23/2025

Days (planting to vine kill) 97

Days (planting to harvest) 119

CGDD₄₀ MAWN Station 3379 Kewadin

CGDD₄₀ (planting to vine kill) 2839

Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 8/11/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

Russet Variety Trial, Lennard Ag Co., St. Joseph County

Planting: 5/12/2025 Vine Kill: 9/24/2025 Harvest: 9/29/2025

CGDD₄₀: 4066

LINE	CWT/A		PERCENT OF TOTAL ¹						SP GR ²	RAW TUBER QUALITY ³ (%)				COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	HH		VD	IBS	BC					
AOR15166-2	624	668	94	4	76	17	3	1.089	0	30	0	0	1.0	1.0	3.0	sticky stolons, light russetting, oblong	
A13091-5	447	527	85	12	79	6	3	1.073	0	60	0	0	0.5	1.5	3.0	tubular, light to medium russet,	
A18077-11TE	443	619	72	5	67	5	23	1.086	20	40	20	0	1.5	1.5	2.5	tubular, knoby, point, medium russetting, misshapen	
A15077-9TE	439	577	76	6	55	21	18	1.078	90	20	0	0	0.5	1.0	3.0	severe cracks, fissuring, elongated, medium russet	
AF7001-5	418	542	77	14	74	4	9	1.081	0	40	0	0	0.5	1.0	2.0	not unique form, light russetting, misshapened, growth cracks, pine coning	
A12327-5VR	348	546	64	19	63	1	17	1.071	0	40	10	0	0.5	1.5	3.5	knoby, points, misshapen, slight to medium russetting	
Reveille Russet	344	538	64	5	42	22	31	1.065	0	50	0	0	0.5	1.0	3.0	knoby, medium russet, misshapen, pine coning	
A18476-3adg	337	426	79	19	74	5	1	1.074	0	30	0	0	0.5	1.0	3.0	light russetting, oblong, nice general appearance	
Silverton Russet	331	485	68	10	51	17	22	1.064	0	20	10	1	0.5	1.0	4.0	medium russetting, blocky, oblong, severe points	
AF6377-10	329	390	84	8	56	28	8	1.066	30	50	0	0	0.5	1.0	2.5	light to medium russetting, blocky, grown cracks	
AF6377-12	324	349	93	5	72	20	3	1.076	0	0	0	0	1.0	1.0	2.5	medium russetting, elongated	
AAF10596-1	282	399	71	22	68	3	7	1.081	40	50	0	0	2.0	1.5	2.5	misshapen, poor general appearance, tubular	
A18057-2TE	252	414	61	11	54	7	28	1.062	0	70	0	0	1.0	1.5	2.5	misshapen, knoby, heat sprouts, growth cracks, points, rot	
AF5736-16	207	307	67	21	67	0	11	1.089	30	10	0	10	0.5	1.0	3.0	light to medium russetting, oblong, misshapen	
Russet Norkotah	117	202	58	33	58	0	8	1.054	0	60	10	0	0.5	1.0	2.5	elongated, dark russetting,	
CO15070-4RUS	91	260	35	64	35	0	1	1.060	0	30	0	0	0.0	1.5	2.0	medilum russetting, oblong, small tubers	
MEAN	333	453	72	16	62	10	12	1.073	13	38	3	1	0.7	1.2	2.8		

¹SIZE

Russets

Bs: < 4 oz

As: 4 - 10 oz

OV: > 10 oz

PO: Pickouts

% of total: Values are rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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: 6/9/2025

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 5/12/2025

Vine Kill Date 9/24/2025

Harvest Date 9/29/2025

Days (planting to vine kill) 135

Days (planting to harvest) 140

CGDD₄₀ MAWN Station 4066 Constantine

CGDD₄₀ (planting to vine kill) 3924

Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 8/11/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

Russet Variety Trial, Styra Potato Farm, Presque Isle County

Planting: 5/30/2025 Vine Kill: 9/25/2025 Harvest: 10/14/2025

CGDD₄₀: 3366

LINE	CWT/A		PERCENT OF TOTAL ¹						RAW TUBER QUALITY ³ (%)				COMMON	VINE	VINE	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	SCAB RATING ⁴	VIGOR ⁵	MATURITY ⁶	
Silverton Russet	822	864	95	1	37	58	3	1.074	50	0	0	0	0.5	3.5	3.5	flat oval oblong, medium russetting
A12327-5VR	713	760	94	4	41	52	2	1.072	0	0	10	0	0.0	4.0	3.5	oval oblong blocky, med dark russet, slight alligator hide, nice general appearance
Russet Norkotah	600	744	81	3	38	42	16	1.070	70	0	0	0	0.5	3.5	3.5	dark russet, misshappen, not uniform, moderate pink eye, knobs
AOR15166-2	560	608	92	5	76	17	3	1.097	0	0	0	0	1.0	3.0	3.5	not uniform skin, flat oblong to long, misshappen pick outs
AF5736-16	554	609	91	6	67	24	3	1.099	60	0	0	0	0.5	2.5	3.0	slight rhizoctonia, nice general appearance, flat oblong to long, misshappen pick out
Reveille Russet	510	614	83	4	57	26	12	1.068	0	10	10	0	0.0	2.5	3.5	light to medium russet, knobs, misshappen pick outs, oval oblong blocky
W20059-12Rus	506	569	89	7	74	15	4	1.066	20	10	0	0	0.5	3.0	4.5	severe alligator hide, flat oblong to long, haevy russetting, knobs, misshappen pick out
AF6377-10	484	524	92	4	51	41	4	1.077	20	0	0	0	0.0	2.5	3.0	slight rhizoctonia, medium dark russetting, nice general appearance, oblong to long, trace of growth cracks, misshappen
A13091-5	461	525	88	9	65	23	3	1.087	0	0	0	0	0.0	3.5	3.0	medium russetting, prominent eyes
A15077-9TE	457	528	86	3	29	57	10	1.081	80	0	0	0	1.0	3.0	4.5	growth cracks, alligator hide, misshappen, variable tuber type
AF6377-12	454	541	84	6	57	27	10	1.079	90	0	0	0	0.5	3.5	2.5	alligator hide, growth cracks, dark russet, oblong to long, blocky, knoby
AAF15096-1	411	487	84	11	75	9	4	1.085	0	10	0	0	1.0	4.0	4.0	medium russet, blocky oblong to long, slight deep eyes
A18476-3adg	400	515	78	22	66	12	0	1.074	0	0	0	0	0.5	2.5	4.0	flat oval oblong, medium russet
A18057-2TE	398	441	90	6	67	23	4	1.069	0	0	0	0	0.5	4.0	4.0	medium russet skin, blocky oblong to long, misshappen, growth cracks
A18077-11TE	382	493	77	7	61	16	16	1.082	20	0	0	0	0.5	3.5	3.0	misshappen, knobs, moderate skinning, medium russetting, oblong to long
Vanguard	381	438	87	9	79	8	4	1.061	0	0	0	0	0.5	3.0	3.0	medium dark russet, oblong to long, trace of growth cracks and misshappen
Goldrush	376	481	78	9	57	21	13	1.074	20	0	0	0	0.0	3.0	3.0	dark russet, not uniform, growth cracks, misshappen pick out
AF7001-5	314	417	75	22	72	3	3	1.074	0	0	0	0	0.0	3.5	3.0	flat oblong, medium russetting
W20039-1Rus	302	392	77	12	66	11	11	1.061	0	10	0	0	1.5	4.0	4.0	not uniform tuber type, points, growth cracks, medium russet
CO15070-4Rus	130	249	52	44	50	2	4	1.070	0	0	0	0	0.0	3.0	3.0	medium dark russet, pointy, small tubular
MEAN	461	540	84	10	59	24	6	1.076	22	2	1	0	0.5	3.3	3.5	

¹SIZE

Russets

Bs: < 4 oz

As: 4 - 10 oz

OV: > 10 oz

PO: Pickouts

% of total: Values are rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

³RAW TUBER QUALITY

(percent of tubers out of 10)

HH: Hollow Heart

VD: Vascular Discoloration

IBS: Internal Brown Spot

BC: Brown Center

⁴COMMON SCAB RATING

0.0: Complete absence of surface or pitted lesions

1.0: Presence of surface lesions

2.0: Pitted lesions on tubers, though coverage is low

3.0: Pitted lesions common on tubers

4.0: Pitted lesions severe on tubers

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

⁵VINE VIGOR RATING

Date: 7/6/2025

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 5/30/2025

Vine Kill Date 9/25/2025

Harvest Date 10/14/2025

Days (planting to vine kill) 118

Days (planting to harvest) 137

CGDD₄₀ MAWN Station 3366 Hawks

CGDD₄₀ (planting to vine kill) 3032

Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 8/27/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

Russet Variety Trials, Verbrigghe Potato Farms, Delta County

Planting date: 5/30/2025 Vine kill: 9/6/2025 Harvest date: 10/7/2025

GDD₄₀: 3743

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR ²	RAW TUBER QUALITY ⁴ (%)				COMMON SCAB RATING ⁵	VINE VIGOR ⁷	VINE MATURITY ⁸	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
W20059-12RUS	446	537	83	16	61	22	1	1.066	0	0	0	0	.	4.0	4.0	
Russet Norkotah	381	467	82	18	63	18	1	1.082	0	10	0	0	2.0	4.5	3.5	
Reveille Russet	345	387	80	14	64	17	6	1.064	0	20	0	0	0.0	3.0	3.5	
A12327-5VR	328	410	89	10	50	39	1	1.066	0	0	0	0	0.0	4.5	3.0	
AF6377-10	248	369	67	15	51	16	18	1.067	0	10	0	0	0.0	4.5	3.0	
MEAN	350	434	80	14	58	22	5	1.069	0	8	0	0	0.5	4.1	3.4	

¹SIZE

Bs: < 4 oz

As: 4 - 10 oz

OV: > 10 oz

PO: Pickouts

% of total: Values rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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: 06/10/2025

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 5/19/2025

Vine Kill Date 10/2/2025

Harvest Date 10/15/2025

Days (planting to vine kill) 136

Days (planting to harvest) 149

GDD₄₀ MAWN Station 4102

GDD₄₀ (planting to vine kill) 3856

Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 08/21/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

NFPT Russet Variety Trial, Walther Farms, Cass County

Planting: 04/16/2025 Vine Kill: 8/26/25 Harvest: 9/16/2025

CGDD₄₀: 4108

TYPE	LINE	CWT/A		PERCENT OF TOTAL ¹				SP GR ²	RAW TUBER QUALITY ³ (%)				COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	COMMENTS	
		US#1	TOTAL	US#1	Bs	As	OV		PO	HH	VD	IBS					BC
NFPT	COA17105-1	808	1221	66	10	48	18	24	1.052	0	10	0	0	1.5	1.5	2.0	not uniform tuber type, tubular, bottlenecking, knobs, growth cracks
	A18682-8sto	765	986	78	12	65	13	11	1.083	20	20	0	0	1.0	1.0	4.5	light russetting, oblong, points, knobs, trace growth cracks
	A20890-1adg	643	884	73	6	32	41	22	1.071	10	20	0	0	0.0	1.0	2.0	medium russetting, pink to red skin, pine coning
	A15102-11	562	744	76	20	70	6	5	1.073	0	20	40	0	1.5	1.5	2.0	light russetting, flat long tuber type, fairly uniform
	AAF15193-9	488	655	75	7	41	33	18	1.067	0	20	20	0	2.0	1.5	2.5	moderate aligator hide, medium russetting, not uniform
	W20096-17Rus	483	581	83	7	50	33	10	1.071	10	30	0	0	0.5	1.0	3.0	uniform, heavy russetting, blocky oblong, trace of growth cracks
	AAF15180-3	457	612	75	17	35	40	9	1.067	0	0	80	0	0.5	1.5	2.5	light russetting, oval oblong blocky
	A18213-8	437	705	62	26	62	0	13	1.074	0	30	0	0	0.5	1.5	3.5	heavy russetting, oblong to long, misshapen, not uniform tuber type
	A15084-4	432	918	47	13	42	5	40	1.066	0	20	0	0	2.0	1.5	4.0	medium russetting, lots of growth cracks, misshapen, trace of heat spouts
	OR19243-5	418	603	69	12	47	23	19	1.082	0	20	0	0	0.0	1.5	3.0	dark russetting, misshapen, growth cracks, moderate aligator hide, not very uniform tuber type
	AAF15086-5	405	694	58	19	47	12	23	1.062	0	20	0	0	1.5	1.5	4.0	growth cracks, bottlenecking, misshapen, sticky stolons
	A18215-3	399	977	41	26	39	2	33	1.064	0	10	0	0	1.5	1.5	4.5	medium aligator hide, long tubular, bottlenecks, points
	OR19185-3	392	550	71	24	63	8	5	1.077	0	20	10	0	0.0	2.0	4.0	dark russet, block oblong, OK general appearance
	A18077-11TE	339	543	62	26	56	6	12	1.079	0	50	10	0	1.0	1.0	3.0	not uniform russetting & tuber type
	AAF15169-3	323	523	62	23	50	12	16	1.067	10	30	0	0	1.0	1.5	2.5	light russetting, tubular, growth cracks, misshapen, not uniform
	OR19243-4	287	539	53	18	53	0	28	1.069	40	20	20	0	2.0	1.5	2.5	light russetting, poor tuber type, moderate rots
	A11887-5adg	280	606	46	36	41	5	18	1.052	0	50	0	20	1.5	1.0	4.0	tubular, not uniform, light russetting, sticky stolons
	NDAF1791-1	276	474	58	26	58	0	16	1.082	0	10	0	0	0.0	1.5	2.5	medium russetting, tubular, growth cracks
	NDAF1791-6	238	512	46	21	35	11	32	1.070	0	20	20	10	0.5	1.5	3.0	pear shapes, points, knobs, tuber rots
	OR191053-6	223	512	44	26	39	5	30	1.058	0	20	0	0	0.5	1.5	4.5	dark russetting, not uniform, misshapen, bottlenecks
	A18139-23sto	189	461	41	32	38	3	27	1.061	10	10	0	0	1.0	1.0	4.5	plot mix, growth cracks, misshape, not uniform tuber type
	A18230-4sto	185	353	52	28	52	0	20	1.067	0	20	0	0	1.5	1.0	2.0	tubular, not uniform
	A16018-4TE	182	594	31	10	19	12	60	1.060	10	0	10	20	1.5	1.0	2.5	growth cracks, misshapen, knobs, severe tuber rot
	OR191001-10	182	381	48	43	48	0	9	1.082	0	0	0	50	1.0	1.5	2.5	medium russetting, small tuber type
	AFA6346-2	178	662	27	26	25	2	47	1.062	0	20	0	0	1.5	1.0	4.0	moderate aligator hide, poor tuber type, knobs, bottlenecks
	A18130-4TEsto	170	402	42	18	29	13	40	1.059	0	0	10	0	1.0	1.5	2.5	not uniform, severe rots, growth cracks, misshapen
	A18232-6	169	349	48	45	48	0	6	1.061	0	10	0	0	0.0	1.5	3.0	small tuber type
	OR191001-18	135	415	33	43	30	3	24	1.074	0	20	0	0	1.0	1.5	2.5	light russetting, tubular tuber type
	AC15239-1Rus	132	252	52	17	48	4	31	1.061	10	20	10	0	0.0	1.0	3.0	severe aligator hide, not uniform tuber type, rough general appearance
	A18035-13	113	342	33	58	30	3	9	1.061	0	40	0	0	0.5	1.5	3.0	small tuber type, not uniform, heat sprouts
	AOR18243-1	108	372	29	34	24	5	37	1.057	40	0	0	0	1.5	2.0	4.5	severe aligator skin, growth cracks, misshapen
	OR18H039-1	101	311	32	48	32	0	20	1.067	0	20	0	0	1.0	1.5	2.5	tubular, misshapen, light russetting
	A18060-2TE	87	327	27	34	25	2	40	1.064	0	20	0	0	1.0	1.5	4.0	not uniform, light russetting
	A18037-37	38	156	25	62	25	0	13	1.055	0	20	0	0	1.5	1.5	3.0	poor yield
	MEAN		312	565	52	26	43	9	22	1.067	5	19	7	3	1.0	1.4	3.1

¹SIZE

Russets
Bs: < 4 oz
As: 4 - 10 oz
OV: > 10 oz
PO: Pickouts
% of total: Values rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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: 5/23/2025
Rating 1-5
1: Slow emergence
5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 4/16/2025
Vine Kill Date 8/26/2025
Harvest Date 9/16/2025
Days (planting to vine kill) 132
Days (planting to harvest) 153
CGDD₄₀ MAWN Station 4108 Constantine
CGDD₄₀ (planting to vine kill) 3639
Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 8/11/2025
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

NFPT ADD-ONS Russet Variety Trial, Walther Farms, Cass County

Planting: 04/16/2025 Vine Kill: 8/26/25 Harvest: 9/16/2025

CGDD₄₀: 4108

CDD40-7106																	
TYPE	LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ³ (%)				COMMON	VINE	VINE	COMMENTS	
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	SCAB RATING ⁴	VIGOR ⁵		MATURITY ⁶
ADD-ONS	AF7243-1	604	716	84	11	51	33	5	1.071	0	20	0	0	1.5	1.0	2.5	medium russeting, oval to oblong blocky, slight aligator, misshapen
	AF7243-2	550	702	78	18	71	8	4	1.067	0	40	0	0	1.0	1.0	3.0	dark russet, oval to oblong, uniform, trace of growth cracks
	AAF18279-1	536	641	84	7	62	22	9	1.063	0	40	10	10	1.0	1.0	2.5	medium russeting, blocky oblong, trace of aligator hide & growth cracks
	AAF19013-1	507	718	71	11	60	11	18	1.080	0	20	20	0	1.0	1.0	4.0	heavy russeting, points, misshapes, knobs, trace growth cracks
	COAF19026-2	468	1088	43	51	43	0	6	1.063	10	20	10	0	1.5	1.5	4.5	medium russeting, not uniform tuber size
	AF7251-1	448	665	67	22	61	6	10	1.061	0	10	0	0	2.0	1.5	1.5	medium netted, not uniform tuber type, bottlenecking, misshapen
	OR11222-4	387	719	54	16	45	8	30	1.064	0	80	0	0	1.5	1.5	2.5	light russeting, very tubular, growth cracks, bottlenecks
	AAF18267-2	310	579	54	20	43	11	26	1.063	0	30	0	0	1.0	1.0	4.0	medium russeting, not uniform tuber type, growth cracks, points
	AAF11807-2	301	569	53	28	50	3	19	1.071	0	0	0	0	1.5	1.0	3.0	not uniform tuber type, misshapen
	AF7256-3	293	404	73	21	67	5	7	1.062	0	20	0	0	1.5	1.0	2.0	light russeting, oblong to long, misshappen pick outs, moderate aligator skin
	AOR16066-5	275	421	65	25	62	3	10	1.057	0	30	0	0	1.5	1.0	2.5	light russeting, long tubular, not uniform
	COAF19027-3	232	451	51	35	49	3	13	1.077	0	0	0	0	0.0	1.0	2.5	heavy russeting, oblong to long tubular, misshapen
	COAF19149-4	87	516	17	32	17	0	51	1.066	0	20	0	0	1.5	1.0	2.5	severe bottlenecks, knoby, growth cracks
	MEAN		384	630	61	23	52	9	16	1.066	1	25	3	1	1.3	1.1	2.8

¹SIZE

Russets

Bs: < 4 oz

As: 4 - 10 oz

OV: > 10 oz

PO: Pickouts

% of total: Values rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

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

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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: 5/23/2025

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date

4/16/2025

Vine Kill Date

8/26/2025

Harvest Date

9/16/2025

Days (planting to vine kill)

132

Days (planting to harvest)

153

CGDD₄₀ MAWN Station

4108

Constantine

CGDD₄₀ (planting to vine kill)

3639

Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 8/11/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

Replicated Russet Variety Trial, Walther Farms, Cass County

Planting: 4/16/2025 Vine Kill: 8/26/2025 Harvest: 9/16/2025

CGDD₄₀: 4108

LINE	CWT/A		PERCENT OF TOTAL ¹						RAW TUBER QUALITY ³ (%)				COMMON SCAB	VINE	VINE	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	RATING ⁴	VIGOR ⁵	MATURITY ⁶	
AOR15166-2	533	627	85	10	68	17	4	1.082	3	13	0	0	0.2	2.2	3.3	medium russetting, larger blocky oval oblong, not uniform tuber type, ok general appearance
T11	526	684	77	22	71	6	1	1.069	0	10	0	0	1.5	2.5	2.5	medium russetting, oval to oblong, medium tuber size (nice tuber type but scabby)
AF7001-5	416	571	72	21	66	6	6	1.079	0	16	0	0	0.7	1.3	2.0	dark russetting, not uniform tuber type, misshapen, alligator hide
AAF10596-1	398	516	78	17	68	10	7	1.075	5	20	0	0	1.0	2.0	2.8	medium russetting, blocky long tubular, trace growth cracks
A13091-5	340	548	61	23	55	6	14	1.065	0	27	10	0	1.0	1.7	3.7	moderate growth cracks, alligator hide, bottlenecks, not uniform, dark russetting
A12327-5VR	339	606	56	17	45	11	27	1.060	13	17	10	3	0.2	2.3	3.5	slight alligator hide, dark russetting, misshapen, pine coning, growth cracks, poor tuber type
AF6377-10	335	443	76	16	57	19	8	1.069	7	27	7	0	0.5	1.2	2.0	heavy russetting, oval oblong, not uniform, some pear shape, slight alligator hide
AF5736-16	333	456	73	13	61	12	13	1.079	3	27	17	7	0.2	1.3	4.5	medium russetting, oval to oblong, acceptable appearance, bottlenecking, trace alligator hide, growth cracks
W20039-15Rus	318	470	69	19	63	6	12	1.059	0	27	3	0	0.2	1.8	2.2	trace of alligator hide, medium russetting, growth cracks, misshapen, oblong tuber type, moderate tuber rot
Reveille Russet	297	577	52	14	40	12	33	1.057	0	30	7	0	0.0	1.0	2.3	moderate alligator hide, not uniform tuber type, heavy russetting, growth cracks
AF6377-12	287	372	75	18	63	12	5	1.071	27	13	0	10	1.0	1.6	2.2	severe alligator hide, medium russetting, not uniform tuber type, scabby
A18224-2	278	482	53	30	50	3	17	1.054	0	30	0	0	0.5	2.3	4.0	dark russetting, not uniform, moderate alligator skin, misshapen, growth cracks
Vanguard	277	469	58	36	56	2	6	1.054	0	10	0	0	0.2	1.6	1.6	slight alligator hide, growth cracks, bottlenecking, not uniform, medium russetting, small oblong tuber type
A18476-3adg	276	518	52	24	48	4	22	1.072	3	3	0	3	0.8	1.6	3.6	growth cracks, medium russetting, bottle neck
W20059-12Rus	240	567	41	24	38	3	35	1.055	0	10	0	0	0.8	1.5	3.8	moderate alligator skin, knobs, misshapen, tubular, knobs, medium russetting
Russet Norkotah	230	458	49	32	45	4	19	1.058	10	23	0	3	0.3	2.0	2.6	light russetting, small tuber type, alligator hide, not uniform tuber type
A18077-11TE	225	468	46	39	46	0	14	1.076	7	20	3	3	0.2	1.8	3.3	not uniform tuber type, medium russetting, small oblong
Silverton Russet	224	450	49	29	47	2	21	1.062	3	10	0	3	0.3	2.0	3.1	growth cracks and bottlenecking, medium russetting, poor general appearance
CO15070-4Rus	208	465	43	35	43	0	20	1.060	0	13	0	0	0.0	2.0	2.0	dark russetting, long tubular, bottlenecking, mishapen
A18057-2TE	187	412	45	23	44	1	31	1.059	0	20	0	0	1.3	1.8	2.2	moderate alligator hide, medium russetting, growth cracks, points, knobs
OR11222-4	185	451	41	41	41	0	18	1.064	0	80	0	0	0.5	1.5	2.5	light russetting, heat sprouts, not uniform
A15077-9TE	126	254	48	34	40	8	17	1.053	27	10	0	3	0.5	1.6	3.6	growth cracks, misshapen, medium russetting, poor yield
MEAN	299	494	59	24	53	7	16	1.065	5	21	3	2	0.5	1.8	2.9	

¹SIZE

Russets

Bs: < 4 oz

As: 4 - 10 oz

OV: > 10 oz

PO: Pickouts

% of total: Values are rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

³RAW TUBER QUALITY

(percent of tubers out of 10)

HH: Hollow Heart

VD: Vascular Discoloration

IBS: Internal Brown Spot

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⁴COMMON SCAB RATING

0.0: Complete absence of surface or pitted lesions

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4.0: Pitted lesions severe on tubers

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

⁵VINE VIGOR RATING

Date: 5/23/2025

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 4/16/2025

Vine Kill Date 8/26/2025

Harvest Date 9/16/2025

Days (planting to vine kill) 132

Days (planting to harvest) 153

CGDD₄₀ MAWN Station 4108 Constantine

CGDD₄₀ (planting to vine kill) 3639

Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 8/11/2025

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)