

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

Summary, 2024

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

Least Square Means

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	HH	VD				IBS	BC	WAXINESS ⁹	FLESH COLOR ³			WAXINESS ¹⁰	SKIN COLOR ⁶	UNIFORMITY ¹⁰
Purple	BNC917-2 ^{abcdh}	361	415	87	11	87	0	2	1.073	0	4	0	0	1.3	1.9	2.8		3.2	4.2	4.1	2.3	Blocky oval to oblong, 4.0 rating for silver scurf, pine cone eyes, moderate skinning, pink eyes, knobby, prominent eyes, kind of crappy, 1.5 powdery scab, nice skin color, netted skin, alligator skin, slight black scurf
	MSGG127-3R ^{abcdh}	507	546	90	9	90	1	0	1.082	0	2	0	0	1.1	2.1	3.8		2.8	3.0	3.3	0.6	Uniform round tuber type, moderate to severe skinning, deep apical eyes, black scurf, misshapen pick outs, 3.5 on powdery scab, minimal rough appearance, uniform tuber type, sticky stolons, growth cracks
	Red Norland^f	486	520	96	4	96	0	0	1.061	0	3	0	0	0.4	2.7	1.4		3.0	3.0	3.0	1.3	Severe silver scurf, round oval blocky tuber type
	Cerata KWS ^{abcdh}	463	526	88	9	88	0	3	1.071	0	2	0	0	0.9	2.0	3.5		3.1	3.1	3.6	1.0	Blocky round to oval, uniform skin appearance, not uniform tuber type, ok general appearance, 3.0 rating for silver scurf, alligator skins, black scurf, severe sticky stolons, growth cracks, pear shapes, powdery scab of 2.5
	MSGG137-1R ^{abcdh}	451	521	86	12	84	1	2	1.081	0	2	0	9	0.7	2.3	3.3		2.9	2.9	3.0	0.7	Large blocky round tuber type, moderate to severe skinning, sticky stolons, deep eyes, moderate skinning, growth cracks and knobs in pick outs, 2 on powdery scab, pear shapes with some points, moderate silver scurf, rough general appearance
	RP07-095 ^f	426	530	74	17	74	0	10	1.062	0	1	0	10	0.2	1.6	3.0		3.0	3.1	3.0	0.5	Growth cracks, flat round to oval
	NDAF113484B-1R ^{abcdh}	407	442	92	7	92	0	1	1.063	0	4	0	0	0.4	1.9	2.8		3.2	3.5	3.8	1.5	Blocky round to oval, uniform, OK general appearance, moderate skinning, 4.0 rating for silver scurf, stem end hips, moderate skinning, knobs, black scurf, misshapen, pine cone eyes, rough
	AC11596-1R ^g	398	477	83	14	83	0	3	1.063	0	2	0	0	0.6	2.2	3.0		3.0	4.0	3.9	1.2	Oval to oblong, traces of skinning, ok general appearance, some points, traces of black scurf
	Dark Red Norland^{abcdh}	365	418	88	9	88	0	3	1.065	0	1	0	0	0.6	2.5	2.8		2.9	3.0	2.5	1.2	Oval to oblong, 3.5 on silver scurf, rough general appearance, slight to moderate skinning, non uniform skin, 1.5 powdery scab, slight black scurf, pine cone eyes
	HZA 13-1486 ^{abcdh}	355	455	78	20	78	1	1	1.075	0	3	0	0	1.0	2.4	3.2		3.1	3.8	3.7	1.1	Moderate skinning, small round to oval tuber type, sticky stolons, 2.5 silver scurf, black scurf, 4.5 on powdery scab, DROP, slight skinning
Red	BNC981-1 ^f	346	347	90	6	90	0	4	1.079	0	3	0	0	0.4	1.2	2.4		3.0	3.0	3.5	0.8	Large blocky round to oval
	Rediva ^h	345	490	66	29	66	0	6	1.089	0	2	7	0	0.7	1.7	3.6		2.8	3.0	3.2	1.3	Rough appearance, non uniform, poor general appearance, flat round to oval Small round to oval tuber type, traces of misshapen, sticky stolons
	MSII417-02 ^f	329	375	81	19	81	0	1	1.069	0	1	0	0	0.7	1.6	3.0		3.0	3.1	3.0	1.5	Non uniform tuber type, blocky
	MSII415-01 ^f	312	356	81	20	81	0	0	1.065	0	1	0	0	0.7	1.6	3.0		3.0	4.1	4.0	0.5	Severe skinning, round tuber type, sticky stolons
	MSGG135-1R ^{abcdh}	305	483	61	37	61	0	1	1.084	0	8	0	0	0.7	2.3	3.7		2.9	2.9	3.1	0.7	Sticky stolons, severe skinning, moderate silver scurf, black scurf, traces of points, 3 on powdery scab, poor general appearance, deep eyes
	COTX15083-1R ^g	304	356	82	17	82	0	1	1.066	0	2	0	0	0.3	1.7	3.0		3.0	4.1	4.0	1.8	Blocky round, nice general appearance, moderate skinning, severe silver scurf, uniform round tuber type, DROP
	TC19094-1R ^f	258	302	79	21	79	0	0	1.075	0	1	0	0	0.2	1.6	3.0		3.0	3.1	4.0	0.5	Blocky round tuber type, slight deep eye, slight skinning, DROP
	MSII418-12 ^f	252	301	78	22	78	0	1	1.074	0	1	0	0	0.2	1.6	3.0		3.0	4.1	4.0	0.5	Smaller round tuber type, DROP
	COTX050169-1R ^g	234	298	65	33	65	0	2	1.063	0	2	0	0	0.3	1.4	3.2		3.0	3.6	4.0	1.4	Small round uniform tuber type, pink eye, moderate silver scurf, sticky stolons, moderate skinning, non uniform
	TX17802-5R ^f	232	326	66	33	66	0	2	1.071	0	1	0	0	0.2	1.6	3.0		3.0	4.1	4.0	2.0	Non uniform tuber type, moderate skinning, some chimeral eyes, DROP
	MSII432-03 ^f	113	200	54	43	54	0	5	1.067	0	1	0	0	0.2	1.6	3.0		3.0	3.1	3.0	0.5	Flat round tuber, non uniform, DROP
	BNC839-5 ^{abcdh}	107	132	83	9	81	2	8	1.070	0	0	0	2	0.9	1.4	3.0		3.3	4.0	4.3	1.1	Round oval blocky, 3.5 rating for silver scurf, sticky stolons, black scurf, misshapen and points, uniform color and tubers, 1 on powdery scab, rough tubers, low yield, sticky stolons, slight skinning
	ND14324B-7R ^g	35	88	45	55	45	0	1	1.055	0	1	0	0	0.2	1.6	4.0		3.0	3.1	3.0	0.5	Very small tuber, rough
	MEAN	320	386	78	20	77	0	2	1.071	0	2	0	1	0.5	1.9	3.1		3.0	3.4	3.5	1.0	
	Cleo ^h	533	603	93	7	92	0	0	1.067	0	4	30	0	0.8	2.0	3.0		3.0	3.0	1.0		Blocky round to oval, non uniform type
	MSFF031-6 ^{abcdh}	499	546	89	10	89	1	1	1.072	0	2	0	0	0.9	2.1	3.1		3.0	3.0	1.0		Large round to oval, deep apical eyes, light netted skin, light skin appearance, 3.5 on powdery scab, moderate silver scurf, growth cracks
	Sifra ^{abcdh}	486	603	79	19	78	0	2	1.076	0	1	0	0	1.2	1.9	4.1		2.9	1.1			Blocky round to oval, light to medium netted, sticky stolons, growth cracks, traces of knobs, not uniform, 2 on powdery scab, bright appearance, pear shaped tubers, misshapen, black scurf
	Reba^{abcdh}	417	458	88	8	88	0	3	1.072	0	0	0	3	0.8	2.1	3.0		2.4	0.9			Blocky rough appearance, deep eyes, sticky stolons, deep apical eyes, rough general appearance, sheep nose, 1 on powdery scab, light to medium netted skin
	Noya ^{abcdh}	399	473	81	13	81	0	5	1.079	6	0	0	0	1.3	1.7	3.9		3.1	1.5			Misshapen tubers, growth cracks, sticky stolons, bright appearance, knobs, oval to oblong tuber type, pear shapes, light netted, 2.5 on powdery scab, points, non uniform, slight black scurf, ok general appearance
White	Allistone ^{bd}	368	388	92	8	91	0	1	1.078	1	2	0	1	0.8	2.5	2.6		3.0	1.0			Flat blocky round to oval, light netted, non uniform 1 powdery scab, flat oval to oblong, medium netted
	Foxy ^{gh}	363	465	76	20	76	0	4	1.074	0	3	0	0	1.5	1.9	3.6		3.0	0.9			Rough non uniform tuber type, round tuber type, light to medium netted, points, pear shaping, ok to poor general appearance
	Caledonia Pearl ^{abcdh}	350	522	67	29	66	0	4	1.065	0	5	2	2	1.0	2.2	2.8		2.9	1.6			Flat round to oval, misshapen, knobs, growth cracks, light skin appearance, non uniform, heat sprouts, slightly netted, slight silver scurf, OK general appearance, points
	Superior ^{bd}	334	366	89	7	89	0	3	1.075	0	2	0	0	0.3	2.5	2.7		3.0	1.0			Round blocky tuber, deep eyes, pine cone eyes, rough general appearance, non uniform skin type, heavy netted
	AF6735-2 ^f	316	387	82	13	77	5	6	1.067	0	3	10	0	0.8	2.0	3.0		3.0	0.8			Flat blocky round to oval, growth, light netted skin, DROP
	Marta ^{abcdh}	217	423	52	42	52	0	6	1.069	0	0	0	0	1.1	1.6	3.4		3.1	3.0			Oblong to long tuber type, points, light netted, some pear shapes, bright skin appearance, pine coning eyes, knobby, small tuber type, deep apical eyes, 2 on powdery scab, rough general appearance, growth cracks, DROP, moderate black scurf, not uniform skin
	MEAN	389	476	81	16	80	1	3	1.072	1	2	4	1	1.0	2.1	3.2		2.9	1.2			

LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ¹ (%)				COMMON SCAB RATING ²	VINE VIGOR ³	VINE MATURITY ⁴	YELLOW FLESH		RED SKIN			COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ⁵	HH	VD	IBS				BC	WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷	SKIN COLOR ⁹	
Chas (05 6556.1) ^h	627	714	87	8	86	1	5	1.056	0	1	0	0	0.9	2.0	2.9	3.2	1.7	Bright appearance, knobs, sticky stolons, growth cracks, misshapen, round flat, bright appearance, 1 for powdery scab, medium netted		
MSH344-05 ^f	588	667	93	4	92	0	4	1.069	0	3	0	0	0.8	2.0	2.5	3.0	2.8	Oval to oblong, lenticel scarring, some misshapen tubers, pointed, DROP		
MSH320-04 ^f	573	626	97	3	97	0	0	1.060	0	3	0	0	0.3	2.5	3.0	3.0	2.8	Blocky round to oval, growth cracks, moderate black dot, slight apical eye		
MSH344-02 ^f	545	665	85	13	84	0	3	1.064	0	4	20	0	2.3	2.0	3.0	3.0	2.8	Non uniform tuber, oval to oblong, lenticel scarring, DROP		
MSH323-04 ^f	545	582	100	0	92	8	1	1.065	10	3	0	0	1.3	2.5	2.5	3.0	2.8	Blocky oval to oblong, medium netted, DROP		
MSH308-05 ^f	541	618	90	10	90	0	0	1.067	0	3	0	0	0.8	2.5	3.0	3.0	2.8	Flat round to oval, non uniform, DROP		
MSH323-06 ^f	533	614	91	4	90	0	6	1.060	0	3	0	0	0.8	2.0	3.0	3.0	2.8	Rough general appearance, blocky oval to oblong, growth cracks, moderate rhizoctonia, deep apical eyes, DROP		
MSGG039-11Y ^h	488	546	87	10	87	0	3	1.077	0	5	0	1	0.7	2.0	3.1	3.1	2.6	Knobs, sticky stolons, blocky round to oval, bright appearance, sticky stolons, bright appearance, 4.5 powdery scab, uniform tuber type, traces of knobs, moderate black scurf, light to medium netted, slight black scurf		
Georgina ^h	486	570	85	7	85	0	8	1.066	0	4	0	0	1.1	2.3	3.2	3.5	3.8	Bright, blocky round to oblong, not uniform, knobs, bottlenecks, traces of growth cracks, pointed tubers, pear shaped, black scurf, 3.5 powdery scab, DROP due to powdery scab, light netted, rough not uniform tuber type		
MSH320-03 ^f	458	512	94	6	94	0	0	1.067	0	3	0	0	0.3	2.5	2.5	3.0	2.8	oval to oblong, poor gen appearance, DROP		
Colomba ^h	455	539	84	12	83	1	3	1.057	0	6	0	0	0.4	2.5	2.5	3.4	2.9	Round oval large blocky, heat sprouts, misshapes, bright appearance, non uniform tuber, traces of growth cracks, light netting, deeper eyes, slight silver scurf, severe black dot, deep apical eye, rough		
CO18054-4Y ^f	451	493	97	0	97	0	3	1.080	0	3	0	0	0.3	2.0	3.0	3.0	3.8	Blocky round, traces of points		
Allison ^h	451	568	78	18	78	0	4	1.077	7	3	0	0	0.8	2.3	3.9	2.9	1.0	Oblong to long, light buff netted, knobs, bright skin, alligator hide, non-uniform, rough general appearance, sticky stolons, 3 powdery scab rating, traces of points		
Jelly ^h	448	516	86	6	86	0	8	1.080	0	10	0	5	0.4	1.9	3.8	2.8	3.6	Golden yellow appearance, sticky stolons, round oval, points, large, blocky, golden yellow appearance, knobs, light to medium netted, rough general appearance, slight to moderate black scurf		
Decibelabedeh	434	568	74	22	74	0	4	1.068	0	0	0	0	1.3	2.1	3.4	3.1	2.4	Round oval uniform tuber type, bright general appearance, pear shapes and points, light netted, golden yellow appearance, points, bottlenecks, knobby stem ends, traces of black scurf		
RP582-98 ^f	434	497	91	9	91	0	0	1.064	0	3	0	0	0.8	2.0	3.0	3.0	4.8	Round flat, medium netted, uniform tubers, OK gen appearance		
T10g	432	499	90	10	90	0	0	1.053	0	3	0	0	1.3	2.0	3.0	3.0	2.8	Small round tuber type, slight netted		
W13103-2Y ^h	419	475	87	10	87	0	3	1.065	0	2	0	0	1.2	2.0	3.0	3.3	3.7	misshapen tuber nose, round oval tubers, knobby, near sprouts, light netted, growth cracks, bright appearance, 2 on powdery scab, medium netted, misshapen		
Gaya ^h	410	468	86	9	86	0	5	1.073	5	0	0	0	1.4	1.6	4.1	2.5	3.6	Round oval blocky, black scurf, golden yellow, non uniform, growth cracks, sticky stolons, misshapes, heat sprouts, light to medium netted, deep apical eyes		
MSGG039-08Y ^h	404	557	71	23	71	0	5	1.073	0	4	0	0	1.2	2.2	3.4	2.9	2.8	run oval to round, light to medium netted, pointed, pear shape, misshapen pick outs, 1 on powdery scab, medium netted, misshapen		
Acoustic ^h	399	488	82	14	81	0	4	1.067	1	8	0	0	1.2	1.8	3.0	3.1	2.6	Round oval pear shape, not uniform tuber type, sticky stolons, bright general appearance, misshapen, moderate silver scurf, points		
Montana ^h	398	515	76	20	76	0	3	1.066	0	3	0	0	1.0	2.1	3.6	3.8	4.8	Knobs, oblong to long large tubers, bright appearance, non uniform, black scurf, points, nice general appearance, traces of growth cracks, light netted, traces of black scurf, growth cracks		
Camelia ^h	391	463	84	11	84	0	5	1.066	0	7	0	0	1.2	1.9	3.0	3.0	4.1	Blocky round to oval, not uniform tuber type, light netted, deep apical eyes, bright skin, black scurf, rough general appearance, some points, misshapen, 1.5 powdery scab, knobby, pear-like shapes		
IPB8343-5W/Y ^h	388	507	73	26	72	0	2	1.075	0	0	0	0	0.6	2.4	3.0	3.0	3.0	Large blocky round to oval, light netted, sticky stolons, bright appearance, round uniform tubers, severe alligator skin, deeper surface and apical eyes, pointed, pear shapes		
Christe ^h	386	506	76	16	76	0	7	1.065	0	2	1	0	0.5	2.6	3.0	3.5	4.1	Round oval pear shape, golden yellow, minor traces of point, light general appearance, knobs, 2 on powdery scab, medium netted, misshapen		
Tyson ^h	385	466	83	8	82	1	8	1.076	0	5	0	0	0.9	2.0	3.1	3.0	2.8	Round oval large, misshapes, knobs, not uniform tuber type, alligator skin, bright appearance, growth cracks, heat sprouts, points, 1 on powdery scab, good appearance, sheep nose, sticky stolons, points		
W15240-2Y ^h	380	473	79	20	78	0	2	1.065	0	4	5	0	1.2	1.8	2.9	3.3	3.0	Blocky round to oval, light netted, pointed, bright appearance, black scurf, points, 3 powdery scab, flat oval, pear shape, some points, bright appearance		
Sensation ^h	380	444	83	13	84	0	3	1.064	0	14	1	0	1.0	1.5	3.2	3.2	3.3	Blocky, oval to oblong, bright appearance, not uniform tuber type, pear shaped, bright skin, black scurf, pointed ends light netted		
IPB8343-8W/Y ^h	375	450	83	14	83	0	4	1.077	0	0	0	0	0.8	2.6	2.7	3.3	3.4	Round oval not uniform tuber type, deep apical eyes, traces of pine cone eyes, bright appearance, points, heat sprouting, lots of misshapes, golden yellow appearance, pear shape, slight points, light netted, moderate black scurf		
Bernice ^h	371	447	81	15	81	0	4	1.062	0	0	0	0	1.1	2.2	2.8	3.0	3.5	knobby pear shapes, round to oval, non uniform, traces growth cracks		
Vanilla ^h	346	460	75	23	75	0	2	1.073	0	3	0	0	0.9	2.3	3.0	3.1	2.7	knobby pear shape, round to oval, non uniform, traces growth cracks, bright appearance, uniform black scurf, moderate heat sprouts, moderate black scurf, buff skin, light to medium netted, slight oval to round, pointed, light netted, traces of heat sprouts, uniform, bright appearance, pear shaped, bright appearance		
Gala ^h	321	429	72	26	72	0	1	1.065	0	0	0	0	0.9	2.3	3.0	3.5	4.4	Blocky round tuber type, deeper eyes, sticky stolons, bright appearance, black scurf, points, golden appearance, uniform tuber type, moderate silver scurf, rough general appearance, light to medium netted		
IPB8343-2W/Y ^h	320	413	76	23	76	0	2	1.069	0	0	8	0	1.2	2.5	2.7	3.2	3.1	Oblong to long tuber type, light bright skin type, pointed tubers, pear shaped, black scurf, slight tuber rot, 3 on powdery scab, points, light netted, misshapen, growth cracks		
Natalia ^h	300	404	73	21	73	0	5	1.055	0	13	0	0	0.9	2.4	2.7	3.2	2.6	Oblong to long tubers, bright appearance, traces of rots, pointed, 2 on powdery scab, light netted, moderate silver scurf, traces of black scurf		
Queen Anne ^h	299	448	66	32	66	0	2	1.063	0	3	0	0	1.2	1.6	2.9	3.5	4.3	Round oval, oblong to blocky, golden yellow appearance, light netted, 1 on powdery scab, coming to ring, light skin, flat tuber type, knobs, pointed tubers, alligator skin, bright skin, moderate heat sprouts, moderate black scurf, buff skin, light to medium netted, slight oval to round, pointed, light netted, traces of heat sprouts, uniform, bright appearance, pear shaped, bright appearance		
Constance ^h	299	376	78	20	78	0	2	1.073	0	1	1	0	0.5	2.0	3.0	3.2	3.2	Knobs, growth cracks, rough tuber type, round oval, yellow skin, points, non uniform size, medium netted, growth cracks, traces of black scurf, poor general appearance		
Sound ^h	274	510	50	43	50	0	7	1.072	0	3	0	0	1.0	2.3	3.1	3.1	2.8	Small round tubers, light netted, sticky stolons, traces of knobs, slight deep eyes		
CO16154-2Y ^h	269	320	85	7	83	1	8	1.085	16	1	1	0	1.5	1.6	2.9	2.7	4.4	Round oval, yellow skin, deep apical eyes, pear shaped, bright skin, black scurf, misshapen pick outs, medium netted, buff skin, not uniform, points		
ATX13134-3W/Y ^h	268	316	80	19	80	0	1	1.074	0	2	0	0	1.0	2.0	3.0	2.9	1.0	Round oval blocky, black scurf, bright appearance 2.5 on powdery scab, rough tuber type		
CO16279-5Y ^h	243	310	78	18	78	0	4	1.085	2	3	3	2	0.9	2.0	3.0	3.0	4.8	Round oval, light pink eyes		
Yukon Gold ^h	243	336	66	31	65	0	3	1.081	8	3	1	0	0.4	1.8	2.9	2.0	1.8	Round oval, sticky stolons, golden yellow appearance, nice skin appearance, light to medium netted, pointed tubers, ok to poor general appearance		
Rock ^h	229	396	58	41	58	0	2	1.084	0	0	1	0	0.8	2.0	3.2	3.1	3.0	Flat round to oblong, non uniform, points and knobs, DROP		
T12 ^f	217	359	46	25	45	0	29	1.070	0	3	10	0	0.3	2.0	3.0	3.0	3.8	Small round tuber, DROP		
CO16212-1Y ^f	180	265	46	54	46	0	0	1.076	0	3	0	0	0.8	2.0	3.0	3.0	4.8	Oval to oblong, pointed, bottlenecks, bright appearance, points, alligator skin, light to medium netted, 1 on powdery, oval to oblong, pear shapes and points, light netted, uniform tuber type, knobs		
Jule ^h	156	429	35	63	35	0	2	1.070	0	4	0	0	0.6	2.2	3.5	3.0	4.6			
MEAN	390	485	79	18	78	0	4	1.069	1	3	1	0	0.9	2.1	3.0	3.1	3.2			

2024 Russet Variety Trial Sites

- ¹L Farms, Inc.,
- ²Horkey Brothers Farm
- ³Jenkins Potato Farm
- ⁴Kitchen Farms, Inc.,
- ⁵Slynn Potato Farm
- ⁶Vebrighe Potato Farms
- ⁷Walther Farms Cass City EGS
- ⁸Walther Farms Cass City Replicated
- ⁹Walther Farms Cass City Strip

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

²WAXINESS RATING

- 1: Heavy netting, buff
- 5: Waxy, smooth

³SPECIFIC GRAVITY

Total solids

⁴FLESH COLOR

- 1: White
- 5: Dark yellow

⁵RAW TUBER QUALITY

(percent of tubers out of 10)

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

⁶SKIN COLOR

- 1: Light pink
- 5: Dark red

⁷COMMON 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

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

¹⁰SILVER SCURF

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

¹¹VINE MATURITY RATING

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

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

Planting: 05/28/2024 Vine Kill: 9/27/24 Harvest: 10/18/2024
CGDD₀: 3902

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ² (%)				COMMON SCAB RATING ³	VINE VIGOR ⁴	VINE MATURITY ⁵	YELLOW FLESH		RED SKIN			COMMENTS		
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC	WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷	SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹			
Purple	BNC917-2	501 539	93	6	93	0	1.073	0	0	0	0	0	1.0	1.0	3.5	3.0	3	4.0	4	3.0	Blocky oval to oblong, 4.0 rating for silver scurf, pine cone eyes
Red	MSGG127-3R	863 885	98	2	95	2	0	1.083	0	0	0	0	1.5	1.5	3.5	3.0	3.0	3	0.5	Uniform round tuber type, severe skinning, large round blocky, deep apical eye	
	Cerata KWS	747 846	88	7	88	0	5	1.068	0	0	0	0	1.0	1.5	3.5	3.0	3.0	4	1.0	Blocky round to oval, uniform skin appearance, not uniform tuber type, ok general appearance, 3.0 rating for silver scurf	
	MSGG137-1R	645 684	94	6	86	8	0	1.072	0	0	0	60	0.5	1.5	3.5	3.0	3.0	3	1.0	Large blocky round tuber type, severe skinning, sticky stolons, deep eyes	
	MSGG135-1R	536 760	71	29	71	0	1	1.077	0	0	0	0	1.0	1.5	4.0	3.0	3.0	3	0.5	Sticky stolons, severe skinning, moderate silver scurf, med. Round to oval tuber type	
	HZA 131-486	463 555	84	16	84	0	1	1.069	0	0	0	0	2.0	1.5	3.5	3.0	3.5	4	1.0	Moderate skinning, round to oval tuber type, sticky stolons, 2.5 silver scurf	
	Dark Red Norland	459 515	89	7	89	0	4	1.059	0	0	0	0	0	0.5	2.0	3.0	3.0	3.0	3	1.0	Oval to oblong, 3.5 on silver scurf, rough general appearance, moderate skinning
NDAF113484B-1R	385 431	89	10	89	0	1	1.052	0	0	0	0	2.0	1.0	3.5	3.0	3.0	3	3.0	3.0	Round oval uniform tuber type, 4.0 rating for silver scurf	
BNC839-5	247 269	92	5	86	5	3	1.063	0	0	0	10	1.5	1.0	3.5	3.0	4.0	4	1.0	1.0	Round oval blocky, 3.5 rating for silver scurf, sticky stolons	
MEAN	543 618	88	10	86	2	2	1.068	0	0	0	9	1.3	1.4	3.5	3.0	3.2	3.4	4	1.1		
White	Sifa	906 995	91	8	91	0	1	1.077	0	0	0	0	0.5	1.0	4.0	3.0	1.0			Blocky round to oval, light netting, sticky stolons, growth cracks, traces of knobs	
	MSFF031-6	662 718	92	8	92	0	0	1.063	0	0	0	0	1.0	1.5	3.0	3.0	1.0			Large round to oval, deep apical eyes, light netted skin	
	Reba	629 662	95	3	95	0	2	1.067	0	0	0	20	0.5	1.0	3.5	3.0	1.0			Blocky rough appearance, deep eyes, oblong, sticky stolons, light russeting	
	Noya	530 655	81	9	81	0	11	1.078	30	0	0	0	0.5	1.0	3.5	3.0	1.0			Missshapen tubers, growth cracks, sticky stolons, bright appearance, knobs,	
	Caledonia Pearl	397 605	66	28	66	0	6	1.062	0	0	0	0	0.5	1.5	3.0	3.0	1.5			Flat round to oval, missshapen, knobs, growth cracks	
MEAN	625 727	85	11	85	0	4	1	6	0	0	4	0.6	1.2	3.4	3.0	1.1					
Yellow	Sourd	788 1034	76	16	76	0	8	1.070	0	0	0	0	0.5	1.5	3.5	3.0	3.0			Oblong to long, light skin, flat tuber type, knobs, pointed tubers	
	Chas (05 6556.1)	783 982	80	4	79	1	17	1.056	0	0	0	0	1.5	1.0	3.5	3.0	1.5			Bright appearance, knobs, sticky stolons, growth cracks, missshapen	
	Georgina	736 860	86	4	85	1	10	1.059	0	0	0	0	0.5	1.5	3.5	3.0	4.0			Bright, blocky round to oblong, not uniform, knobs, bottle necks, traces of growth	
	MSGG039-8Y	735 880	84	11	84	0	6	1.068	0	0	0	0	1.0	1.0	4.0	3.0	3.0			Flat round oval pear shape, oblong to long, light skin appearance	
	Allison	718 818	88	10	87	1	3	1.076	30	0	0	0	1.0	2.0	3.5	2.0	1.0			Oblong to long, light buff netted, knobs	
	MSGG039-11Y	704 777	91	6	90	1	3	1.069	0	0	0	10	0.5	1.0	3.0	3.0	3.0			Knobs, sticky stolons, blocky round to oval	
	Decibel	699 818	86	12	86	0	3	1.068	0	0	0	0	0.5	1.5	3.5	3.0	2.0			Round oval uniform tuber type	
	IPB8343-5W/Y	690 771	89	9	88	1	1	1.068	0	0	0	0	0.5	2.0	3.0	3.0	3.0			Large blocky round to oval, light netted, sticky stolons	
	W15240-2Y	684 749	91	8	91	0	1	1.062	0	0	30	0	1.0	1.0	3.5	3.0	3.0			Blocky round to oval, light netted, pointed	
	Tyson	678 859	79	6	73	6	15	1.074	0	0	0	0	2.0	1.5	3.5	3.0	3.0			Round oval large, missshapen, knobs, light skin, not uniform tuber type	
	Jelly	645 687	94	5	94	0	2	1.079	0	0	0	0	0.0	1.0	2.5	3.0	4.0			Golden yellow appearance, sticky stolons, round oval, points	
	Colomba	594 709	84	6	82	2	10	1.052	0	0	0	0	0.5	1.5	3.0	3.0	3.5			Round oval large blocky, heat sprouts, missshaps	
	Camelia	589 672	88	10	88	0	2	1.060	0	0	0	0	1.0	1.0	3.5	3.0	4.0			Blocky round to oval, not uniform tuber type, light netted, deep apical eyes	
	Gala	579 678	85	12	85	0	2	1.061	0	0	0	0	0.5	1.5	3.0	3.0	5.0			Oval to round, pointed, light netted, traces of heat sprouts	
	Christel	559 663	84	13	84	0	3	1.060	0	0	0	0	0.0	2.0	3.5	4.0	5.0			Round oval pear shape, golden yellow, minor traces of points	
	Bernice	543 613	89	8	89	0	3	1.056	0	0	0	0	0.5	1.5	3.5	3.0	3.0			Blocky pear shapes, round to oval, not uniform, traces growth cracks	
	IPB8343-8W/Y	542 644	84	9	84	0	7	1.074	0	0	0	0	0.0	2.0	3.0	3.0	4.0			Round oval not uniform tuber type, deep apical eyes, traces of pine cone eyes	
	Jide	525 760	69	29	69	0	1	1.068	0	0	0	0	0.5	1.5	3.5	3.0	5.0			Oval to oblong, pointed, bottle necking	
	Queen Anne	516 649	80	20	80	0	0	1.055	0	0	0	0	2.5	1.0	3.5	3.0	5.0			Oblong to long tubers, bright appearance, traces of rots	
	Constance	501 580	86	13	86	0	0	1.067	0	0	0	0	0.0	1.5	3.5	3.0	3.0			Round oval, oblong to blocky, golden yellow appearance	
Montana	493 593	83	13	83	0	4	1.062	0	0	0	0	0.0	1.0	4.0	4.0	5.0			Knobs, yellow, oblong to long		
W13103-2Y	480 543	88	8	87	2	4	1.063	0	0	0	0	2.0	1.0	4.0	3.0	4.0			Moderate tuber rots, round oval tubers, blocky, heat sprouts, light netted		
Acoustic	458 513	89	11	89	0	0	1.061	0	0	0	0	0.0	1.0	3.5	4.0	3.0			Round oval pear shape, oblong to long not uniform tuber type, sticky stolons, light skin		
Sensation	456 508	90	9	90	0	2	1.054	0	0	0	0	0.5	1.0	3.0	3.0	3.0			Blocky, oval to oblong, bright appearance, not uniform tuber type		
Marta	433 574	75	23	75	0	2	1.066	0	0	0	0	0.5	1.0	3.5	3.0	3.0			Tabular, oblong to long tuber type, points, light netted, some pear shapes		
IPB8343-2W/Y	426 503	85	13	85	0	2	1.065	0	0	30	0	0.0	1.5	3.5	3.0	3.0			Blocky round tuber type, deeper eyes, sticky stolons		
Vanilla	393 494	80	19	80	0	2	1.068	0	0	0	0	0.5	1.5	3.5	3.0	3.0			Round oval uniform tuber type, golden yellow appearance		
Natalia	382 477	80	18	80	0	2	1.051	0	0	0	0	0.5	1.5	3.5	3.0	3.0			Oblong to long tuber type, light bright skin type, pointed tubers		
Rock	361 485	74	22	74	0	4	1.078	0	0	10	0	0.0	1.5	3.5	3.0	3.0			Round oval, sticky stolons, golden yellow appearance		
CO16154-2Y	255 317	80	7	80	0	13	1.078	30	0	0	0	1.5	1.5	3.0	3.0	5.0			Knobs, growth cracks, rough tuber type, round, oval, yellow skin, points		
CO16279-5Y	244 307	79	19	78	2	1	1.075	0	0	10	0	0.5	1.5	3.5	3.0	5.0			Round oval, yellow skin, deep apical eyes		
MEAN	554 662	84	12	83	1	4	1.065	2	0	3	0	0.7	1.4	3.4	3.1	3.5					

SIZE
Non-russet tablestock
Bc: <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

SPECIFIC GRAVITY
Total solids

RAW TUBER QUALITY
(percent of tubers out of 10)
HH: 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: Variable
Rating 1-5
1: Slow emergence
5: Early emergence

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

FIELD DATA
Planting Date: 5/28/2024
Vine Kill Date: 9/27/2024
Harvest Date: 10/18/2024
Days (planting to vine kill): 122
Days (planting to harvest): 143
GDD40 MAWN Station: 3902 | Allegan
GDD40 (planting to vine kill): 3559
Seed Spacing: 10"

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

FLESH
1: White
yellow

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: 05/21/2024 Vine Kill: 9/18/24 Harvest: 10/23/2024
CGDD₀: 4295

LINE	CWTA		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ⁴ (%)					COMMO N SCAB RATING ⁵	VINE VIGOR ⁶	VINE MATURITY ⁶	YELLOW FLESH			RED SKIN			SILVER SCURF ¹¹	COMMENTS		
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS	BC				WAXINESS ⁷	SKIN COLOR ⁸	UNIFORMITY ⁹	WAXINESS ⁷	SKIN COLOR ⁸	UNIFORMITY ⁹				
Purple	BNC917-2	329	386	85	8	85	0	7	1.064	1	2	0	1	1.5	1.0	2.5				3.5	4.0	4.0	2.0	Blocky oval to oblong, knobby, prominent eyes, kind of crappy	
Red	MSGG137-1R	487	563	87	10	87	0	3	1.076	0	2	0	0	1.5	1.5	3.0				3.0	3.0	3.0	0.5	Blocky round, sticky stolons, moderate skinning, growth and knobs in pick outs	
	MSGG127-3R	441	482	91	8	91	0	1	1.075	0	0	0	0	1.5	1.0	3.5				2.5	3.5	4.0	0.5	Blocky round tuber type, moderate skinning, misshapen pick outs	
	Cerata KWS	411	505	81	13	81	0	6	1.064	0	0	0	0	1.5	1.0	3.0				3.5	3.5	4.0	0.5	Severe sticky stolons, alligator skin, growth cracks, pear shapes, flat round to oval	
	NDAF113484B-1R	400	429	93	5	93	0	2	1.056	0	2	0	0	0.5	1.0	2.5				3.5	3.5	4.0	1.5	Blocky round to oval, uniform, OK general appearance, moderate skinning	
	HZA13-1486	337	444	76	23	76	0	1	1.060	0	1	0	0	1.0	1.5	3.0				3.0	4.0	4.0	1.0	Flat round to oval, slight skinning	
	Dark Red Norland	278	348	80	13	80	0	7	1.056	0	0	0	0	0.5	1.5	3.0				3.0	3.0	2.5	2.0	Round to oval, non uniform skin, moderate skinning poor general appearance	
	MSGG135-1R	268	503	53	45	53	0	2	1.074	0	5	0	0	1.0	1.5	3.5				3.0	4.0	3.5	1.0	Small flat round tubers, severe sticky stolon, traces of points	
BNC89-5	85	111	77	8	77	0	16	1.065	0	0	0	0	1.5	1.0	3.0				3.5	4.0	5.0	0.5	Blocky round tuber type, misshapen and points in pick outs, uniform color and tubers		
	MEAN	338	423	80	16	80	0	5	1.066	0	1	0	0	1.1	1.3	3.1				3.1	3.6	3.8	0.9		
White	MSFF031-6	506	530	95	5	93	3	0	1.060	0	3	1	0	1.5	1.5	3.0								Round blocky tubers, deep apical eyes	
	Sifra	351	519	68	28	68	0	5	1.067	0	6	0	0	2.0	1.5	3.5								Round oval, misshapen, small tubers	
	Alliston	339	384	88	8	88	0	3	1.066	0	0	0	0	1.5	2.0	2.5			3.0	1.0				Flat blocky round to oval, light netted, non uniform	
	Caledonia Pearl	301	500	60	27	60	0	13	1.053	0	5	0	0	1.0	1.5	2.0								Oval tubers, misshapen, Heat sprouts, growth cracks, knobs, round blocky tuber, deep eyes, pine cone eyes	
	Superior	289	322	90	6	90	0	5	1.064	0	2	0	0	0.5	2.0	2.5								Rough general appearance, sheep nose, rough tuber type	
	Reba	286	371	77	8	77	0	15	1.064	1	0	0	1	1.5	1.5	3.0				3.0	1.0				Oval to oblong, light netted, knobs, misshapen, smaller tubers
	Noya	152	251	61	23	61	0	16	1.073	0	1	3	0	1.5	1.0	4.0				3.0	3.0				Flat oval to oblong, small tuber type, deep apical eyes, points and knobs
Marta	96	353	27	63	27	0	10	1.055	0	0	0	0	1.0	1.0	2.5				3.0	3.0					
	MEAN	290	404	71	21	70	0	8	1.063	0	2	1	0	1.3	1.5	2.9				3.0	3.0	3.0	1.5		
Yellow	Allison	647	731	89	9	89	0	3	1.073	0	1	0	0	0.5	2.0	4.0			3.0	1.0				Bright appearance, slight netted, non-uniform, rough general appearance, sticky stolons	
	MSGG039-11Y	645	674	96	3	96	0	1	1.074	0	1	0	1	1.0	1.5	2.5			2.5	2.0				Round blocky tuber, sticky stolons, bright appearance	
	Dechel	557	741	75	20	75	0	4	1.066	0	1	0	0	2.0	1.5	3.0			4.0	2.5				Flat round to oval, pear shapes and points, light netted skin	
	Chas (05 6556.1)	508	682	75	6	74	0	20	1.047	0	6	0	0	1.0	1.5	3.0			3.0	2.0				Knobs, growth cracks, oval blocky tuber, large, misshapen	
	Acoustic	456	538	85	9	85	0	6	1.059	0	0	0	0	1.5	1.5	3.0			3.5	1.5				Flat round to oval, misshapen, non uniform	
	MSGG039-08Y	451	655	69	27	69	0	4	1.067	0	1	0	0	1.5	1.0	3.0			3.0	3.0				Flat oval to oblong, light netting, pointed, pear shape, misshapen pick outs	
	Gaya	419	511	82	7	82	0	11	1.073	0	4	0	0	1.5	1.5	4.5			2.0	3.0				Oval tuber, growth cracks, sticky stolons, misshapen, heat sprouts	
	Georgia	401	521	77	6	77	0	17	1.059	0	2	0	0	1.5	1.5	3.0			3.5	3.0				Pear shaped, blocky round to oval, bright general appearance	
	Colomba	386	467	83	8	83	0	9	1.045	0	3	0	0	0.5	1.5	3.0			4.0	4.0				Flat blocky round to oval, light netting, growth cracks and heat sprouts, misshapen pick outs, deeper eyes	
	Natalia	384	484	79	7	79	0	14	1.048	0	2	0	0	1.5	2.0	2.5			3.0	2.5				Blocky oval to oblong, non uniform, slight tuber rot	
	IPB8343-8W/Y	379	481	79	12	79	0	9	1.076	0	0	0	0	2.0	2.0	3.0			4.0	4.0				Uniform round tuber type, heat sprouting, lots of misshapen	
	CO16154-2Y	376	497	76	9	76	0	16	1.088	1	5	0	0	1.5	1.5	3.0			2.0	4.5				Round oval, blocky, points, growth cracks	
	Montana	366	521	70	20	70	0	9	1.065	0	0	0	0	2.0	1.5	4.0			3.5	4.5				Bright appearance, points, long to oblong, non uniform tuber type	
	Constance	362	473	77	23	77	0	0	1.070	0	1	1	0	1.0	1.5	3.0			4.0	3.0				Flat round to oval, light netted	
	W15240-2Y	341	428	80	19	80	0	1	1.062	0	6	0	0	1.5	1.0	2.5			4.0	3.5				Small oval tuber, points	
	Christel	329	551	60	15	60	0	25	1.058	0	4	0	0	1.0	2.0	3.0			4.0	4.0				Flat round to oval, pear shape, points, knobs	
	Camelia	327	389	84	11	84	0	5	1.063	0	5	0	0	2.0	1.0	2.4			3.0	4.0				Rough general appearance, non uniform tuber, round to oval, some points and misshapen	
W13103-2Y	326	378	86	8	86	0	5	1.060	0	0	0	0	0.5	1.0	3.5			3.5	5.0				Blocky round to oval, pear shapes		
Bernice	322	396	81	12	81	0	7	1.058	0	2	0	0	1.5	1.5	2.5			3.5	5.0				Non uniform tuber, oval to oblong, points and growth cracks		
Tyson	316	442	72	16	72	0	12	1.072	1	5	0	0	1.5	2.0	2.5			2.5	2.5				Bright appearance, growth cracks, heat sprouts, points, round oval		
Vanilla	301	455	66	28	66	0	6	1.069	0	2	0	0	1.5	1.5	3.0			3.5	3.0				Oval tuber, misshapen, heat sprouts, growth cracks, knobs		
Senation	286	416	69	26	69	0	5	1.057	0	4	6	0	2.0	1.5	2.5			3.5	3.0				Flat oval tuber, pear shapes and points		
Jeby	285	420	68	3	68	0	29	1.074	0	3	0	0	0.5	1.5	4.0			2.5	4.0				Blocky flat, oval to oblong, many pointed stem end, knobs, light med netted		
IPB8343-2W/Y	279	421	66	31	66	0	3	1.065	0	1	3	0	2.5	2.0	2.0			4.0	3.0				Small round blocky tubers, deeper eyes and points		
ATX13134-3W/Y	270	333	81	18	81	0	1	1.068	0	1	0	0	1.0	1.5	2.5			3.0	1.0				Small round tubers, light netted		
Rock	259	399	65	33	65	0	2	1.082	0	3	0	0	1.5	1.0	3.5			3.0	3.0				Small flat oval, light to medium netting, pointed tubers, sticky stolons		
IPB8343-5W/Y	230	407	56	40	56	0	4	1.071	0	3	0	0	1.0	2.0	3.0			4.0	3.0				Small round tubers, deeper eyes, pointed		
CO16279-5Y	176	294	60	29	60	0	11	1.079	0	2	0	0	1.5	2.0	3.0			3.0	5.0				Flat round oval, misshapen pick outs		
Gala	150	265	57	42	57	0	1	1.051	0	2	0	0	1.0	1.5	3.0			4.0	5.0				Small oval, pointed, pear shaped, bright appearance		
Queen Anne	136	271	50	43	50	0	7	1.056	0	1	0	0	1.5	1.0	2.5			3.5	5.0				Oblong to long, pointed		
Sound	113	244	33	58	33	0	9	1.061	0	6	0	0	1.5	1.5	2.5			2.5	2.5				Misshapen, oval tubular, heat sprouts, non uniform, points		
Jule	89	434	20	76	20	0	4	1.066	0	0	0	0	1.0	1.5	3.5			3.5	5.0				Small oval to oblong, light netting, points and misshapen		
	MEAN	340	469	71	21	71	0	8	1.065	0	2	0	0	1.4	1.5	3.0			3.3	3.3					

<u>1</u>SIZE	<u>2</u>SPECIFIC GRAVITY	<u>3</u>RAW TUBER QUALITY	<u>4</u>COMMON SCAB RATING	<u>5</u>VINE VIGOR RATING	<u>6</u>VINE MATURITY RATING	<u>7</u>FIELD DATA
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	Total solids	(percent of tubers out of 10) HH: Hollow Heart VD: Vascular Discoloration IBS: Internal Brown Spot BC: Brown Center	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	Date: 6/18/2024 Rating 1-5 1: Slow emergence 5: Early emergence	Date: 8/15/2024 Rating 1-5 1: Early (vines completely dead) 5: Late (vigorous vines, some flowering)	Planting Date: 5/21/2024 Vine Kill Date: 9/18/2024 Harvest Date: 10/23/2024 Days (planting to vine kill): 120 Days (planting to harvest): 155 CGDD ₀ MAWN Station: 4295 Deerfield/Blissfield CGDD ₀ (planting to vine kill): 3601 Seed Spacing: 10"
<u>8</u>WAXINESS RATING	<u>9</u>FLESH	<u>10</u>SKIN COLOR	<u>11</u>UNIFORMITY OF SKIN COLOR	<u>12</u>SILVER SCURF		
1: Heavy netting, buff 5: Waxy, smooth	1: White yellow	1: Light pink 5: Dark red	1: Highly variable, non-uniform 5: Highly uniform, color throughout	0: No incidence of silver scurf 5: High incidence of silver scurf		

Tablestock Variety Trial, Jenkins Potato Farm, Kalkaska County

Planting: 05/31/2024 Vine Kill: 8/30/24 Harvest: 10/04/2024
CGDD₉₀: 3075

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ² (%)				COMMO N SCAB RATING ³	VINE VIGOR ⁴	VINE MATURITY ⁵	YELLOW FLESH		RED SKIN		SILVER SCORE ⁶	COMMENTS			
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ⁷	HH	VD				IBS	BC	WAXINESS ⁸	FLESH COLOR ⁹			WAXINESS ⁷	SKIN COLOR ⁹	UNIFORMITY ¹⁰
Red	MSGG127-3R	697	739	94	5	94	1	0	1.071	0	10	0	0	2.0	2.5	4.5	2.5	3.0	3.5	1.0	Round oval, severe skinning, black scurf	
	MSGG137-1R	614	669	92	8	90	2	0	1.077	0	10	0	0	2.0	3.0	4.5	2.5	2.5	2.0	1.5	Round oval, blocky, moderate skinning	
	Cerata KWS	606	687	88	10	88	0	2	1.066	0	10	0	0	2.0	2.5	3.5	3.5	3.0	4.5	2.0	Round to oval, alligator skins, black scurf	
	NDAFI13484B-1R	507	557	91	9	91	0	0	1.062	0	10	0	0	1.5	2.0	2.5	4.0	5.0	4.5	1.0	Round oval, silver scurf	
	BNCF17-2	505	580	87	13	87	0	0	1.068	0	20	0	0	2.5	2.5	2.5	3.5	5.0	4.0	3.0	Moderate skinning, round oval long to oblong, pink eyes	
	Dark Red Norland	463	520	89	11	89	0	0	1.060	0	20	0	0	2.0	3.0	2.0	3.5	3.0	1.5	1.5	1.5	Slight skinning, round oval, blocky
	HZA 13-1486	409	526	78	20	78	0	2	1.071	0	20	1	0	2.0	3.0	2.5	3.0	4.5	4.0	2.0	Round oval, black scurf	
MSGG135-1R	350	566	62	37	62	0	1	1.076	0	50	0	0	1.5	2.5	4.0	2.5	2.5	3.5	1.0	Round oval flat, sticky stolons, black scurf		
BNCF89-5	208	226	92	7	92	0	0	1.066	0	0	0	0	1.5	1.0	2.5	4.0	4.5	5.0	3.0	Large round tubers, silver scurf, black scurf		
MEAN	563	86	13	86	0	1	1.069	0	16	0	0	0	1.9	2.4	3.2	3.2	3.7	3.6	1.8			
White	MSFF031-6	812	847	96	4	96	0	0	1.069	0	0	0	0	2.0	3.0	2.5	2.5	1.0			Large blocky flat tubers, light skin appearance, deep apical eyes	
	Sifra	600	709	85	15	85	0	0	1.067	0	0	0	0	3.0	2.5	4.5	2.0	1.0			Round oval blocky light skin, not uniform	
	Noya	582	672	87	13	87	0	0	1.067	10	0	0	0	2.5	3.0	4.0	3.0	1.0			Pear shaped, oblong, ok appearance, light skin	
	Reba	563	603	93	6	93	0	0	1.068	0	0	0	0	1.0	2.5	3.0	2.0	1.0			Large blocky tubers, light skin, deep apical eyes	
	Caledonia Pearl	539	717	75	25	75	0	0	1.064	0	30	1	10	2.0	3.0	3.0	2.0	1.5			Round oval pear shaped, light skin appearance, non uniform	
MEAN	619	710	87	13	87	0	0	1.067	2	6	0	2	2.1	2.8	3.4	2.3	1.1					
Yellow	Chas (05 6556.1)	864	911	95	5	95	0	0	1.064	0	0	0	0	1.0	2.5	2.5	3.5	2.0			Round flat, bright appearance	
	MSGG039-11Y	686	748	92	7	92	0	1	1.069	0	40	0	0	0.5	2.5	3.5	3.0	2.5			Round to oval, blocky, bright appearance	
	Jelly	674	742	91	7	91	0	2	1.076	0	50	0	40	1.0	2.5	4.5	1.5	3.0			Large, blocky, oval to oblong, golden yellow appearance	
	W13103-2Y	584	655	89	8	89	0	3	1.065	0	20	0	0	2.5	2.5	2.5	2.5	3.0			Growth cracks, round oval, large blocky, bright appearance	
	Colomba	534	647	83	16	83	0	1	1.050	0	50	0	0	0.5	3.5	2.5	4.0	2.0			Large blocky, bright appearance, non uniform tuber, traces of growth cracks	
	Montana	517	649	80	19	80	0	2	1.053	0	20	0	0	0.5	3.0	3.0	4.0	4.0			Large oblong tubers, bright appearance, non uniform, black scurf	
	Bernice	513	597	86	13	86	0	1	1.058	0	0	0	0	1.5	3.0	2.0	2.5	2.5			Large round to oval, bright general appearance	
	Christel	509	595	86	12	86	0	2	1.070	0	10	1	10	0.5	3.5	2.5	3.0	3.5			Round oval to flat, light general appearance	
	IPB8343-5W/Y	495	647	76	23	76	0	0	1.071	0	0	0	0	0.5	3.0	3.0	2.0	2.5			Bright appearance, round uniform tubers, severe alligator skin	
	Gala	485	588	82	17	82	0	0	1.061	0	0	0	0	2.0	3.0	3.5	4.0	4.0			Round oval, uniform, bright appearance	
	Gaya	482	537	90	8	90	0	2	1.063	20	0	0	0	3.0	1.5	4.5	2.0	4.0			Round oval blocky, black scurf, golden yellow, non uniform	
	W15240-2Y	477	592	80	19	80	0	1	1.059	0	20	0	0	2.0	2.5	3.5	3.0	2.0			Round oval, bright appearance, black scurf	
	Georgia	468	533	88	8	88	0	4	1.068	0	30	0	0	2.0	3.0	2.5	4.0	3.5			Round oval, pear shaped, blocky, non uniform, black scurf, growth cracks	
	Acoustic	453	563	80	19	80	0	1	1.055	10	50	0	0	2.5	2.0	2.5	2.0	2.5			Round oval, large flat blocky, non uniform, bright general appearance	
	Sensation	448	496	90	9	90	0	1	1.072	0	90	0	0	0.5	2.0	2.0	4.0	3.0			Round oval, pear shaped, bright skin, black scurf	
Decibel	429	571	75	23	75	0	1	1.063	0	0	0	0	1.5	2.5	3.0	2.5	2.0			Round oval, bright general appearance, uniform tuber type		
Cameña	421	516	82	15	82	0	3	1.069	0	30	0	0	1.0	3.0	2.5	2.5	3.5			Round oval, bright skin, black scurf		
IPB8343-2W/Y	415	527	79	21	79	0	0	1.060	0	0	0	0	3.0	3.0	2.0	3.0	3.0			Round oval, bright appearance, black scurf		
MSGG039-8Y	408	586	70	27	70	0	4	1.071	0	20	0	0	1.0	3.5	3.5	2.5	2.0			Round oval, pear shaped, blocky, non uniform tubers, points, growth cracks, alligator skin		
Vanilla	405	585	69	29	69	0	2	1.066	0	20	0	0	0.5	3.0	3.0	3.0	2.0			Round tuber type, bright appearance, uniform, black scurf		
Tyson	362	438	83	10	83	0	8	1.067	0	30	0	0	0.5	2.0	3.0	3.0	3.0			Large round, alligator skin present		
Queen Anne	355	539	66	34	66	0	0	1.058	0	20	0	0	0.0	2.0	2.5	4.5	3.5			Long tuber type, bright yellow		
Constance	354	429	83	14	83	0	3	1.066	0	10	0	0	0.5	2.5	2.0	3.0	3.0			Golden yellow, round blocky		
IPB8343-8W/Y	352	430	82	18	82	0	0	1.064	0	0	0	0	1.5	3.0	2.0	4.0	3.5			Bright appearance, points, round oval		
Marta	326	576	57	36	57	0	7	1.065	0	0	0	0	2.0	1.5	4.0	3.5	2.5			Round oval to long, nice skin appearance, pine coning eyes, knobby		
Rock	323	549	59	40	59	0	1	1.078	0	0	0	0	2.0	2.5	3.0	3.5	3.0			Round oval to long, nice skin appearance		
Natalia	305	453	67	30	67	0	3	1.046	0	80	0	0	1.0	3.0	3.0	4.0	1.5			Round oval, pear shaped, bright skin, black scurf		
Allison	305	410	74	14	74	0	12	1.069	10	20	0	0	0.5	2.0	4.0	3.0	1.0			Tubular, long, bright skin, alligator hide present		
CO16279-5Y	287	373	77	21	77	0	2	1.082	10	20	1	10	2.5	2.5	2.5	3.0	4.5			Round oval, pear shaped, bright skin, black scurf		
Sound	267	590	45	48	45	0	7	1.065	0	20	0	0	2.5	3.0	3.0	4.0	2.0			Tubular, alligator hide present, bright skin, DROP??		
CO16154-2Y	244	261	93	7	93	0	0	1.076	70	0	1	0	1.5	NA	2.0	3.0	3.0			Large round, bright appearance		
Jule	147	456	32	66	32	0	2	1.065	0	30	0	0	0.5	2.5	3.0	2.5	2.5			Small round oval tubers, bright appearance, points, alligator hide		
Yukon Gold	69	276	25	73	25	0	2	1.070	20	20	0	0	0.5	2.5	2.5	3.0	2.0			Round oval blocky, black scurf, bright appearance		
MEAN	423	547	76	22	76	0	2	1.065	4	21	0	2	1.3	2.6	2.9	3.1	2.7					

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

HH: Hollow Heart

VD: Vascular Discoloration

IBS: Internal Brown Spot

BC: Brown Center

SP GR: Specific Gravity

PO: Pickouts

% of total: Values rounded to the nearest whole number

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% of total: Values rounded to the nearest whole number

% of total: Values rounded to the nearest whole number

% of total: Values rounded to the nearest whole number

³RAW TUBER QUALITY

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

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

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

Planting: 5/15/2024 Vine Kill: 8/28/24 Harvest: 10/10/2024
CGDD40: 4060

LINE	C/WTA		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ² (%)					COMMON SCAB RATING ³	VINE VIGOR ⁴	VINE MATURITY ⁵	YELLOW FLESH			RED SKIN			SILVER SCURF ⁶	COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	IHH	VD	IBS	BC				WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷	SKIN COLOR ⁹	UNIFORMITY ¹⁰				
Purple	BNC917-2	493	557	89	9	89	0	3	1.072	0	0	0	0	0.5	1.5	3.0				3.0	4.0	4.0	2.5	1.5 powdery scab, moderate silver scurf, blocky oval to oblong, moderate skinning, nice skin color
Red	MSGG127-3R	685	720	95	4	95	0	1	1.073	0	0	0	0	0.5	2.0	4.0				3.0	2.0	3.0	1.0	3.5 powdery scab, moderate skinning, blocky round tuber, minimal rough appearance
	MSGG137-1R	628	720	87	9	87	0	4	1.085	0	0	0	0	0.5	2.0	4.0				3.0	2.5	3.0	1.0	2 powdery scab, blocky round pear shape with some points, moderate to severe skinning
	NDAF11345B-1R	584	618	95	5	95	0	1	1.070	0	0	0	0	0.5	1.0	4.0				3.0	3.0	3.0	1.0	Moderate skinning, rough blocky round tuber, moderate silver scurf.
	Cerata KWS	557	623	89	9	89	0	1	1.071	0	0	0	0	0.5	2.0	4.0				3.0	3.0	3.0	2.0	Moderate silver scurf, powdery scab of 2.5, flat round to oval, non uniform tuber
	Dark Red Norland	519	583	89	6	89	0	5	1.066	0	0	0	0	0.0	2.0	2.0				3.0	2.5	2.0	1.0	1.5 powdery scab, severe silver scurf, blocky round to oval, poor general appearance
	HEZA 13-1486	513	604	85	13	85	0	1	1.075	0	0	0	0	1.0	2.0	3.0				3.0	3.0	3.0	4.0	4.5 on powdery scab, round to oval, silver scurf is severe, DROP
MSGG135-1R	424	585	73	26	73	0	2	1.087	0	0	0	0	0.5	2.0	4.0				3.0	2.0	2.0	1.0	3 powdery scab, poor general appearance,	
BNC839-5	151	193	79	5	72	7	17	1.067	1	0	0	1	0.0	1.0					3.0	3.5	3.0	1.0	1 powdery scab, rough blocky round tuber, low yield	
MEAN	508	598	86	10	86	1	4	1.074	0	0	0	0	0.4	1.8	3.6				3.0	2.7	2.8	1.5		
White	MSFF031-6	656	698	94	6	94	0	0	1.073	0	0	0	0	0.0	1.5	4.0	3.0	1.0						3.5 on powdery scab, blocky round tuber, deeper apical eyes, moderate silver scurf
	Reba	589	614	96	4	96	0	1	1.068	0	0	0	0	1.0	2.0	3.0	3.0	1.0						1 powdery scab, large flat blocky round to oval
	Sifra	581	704	83	16	83	0	2	1.072	0	0	0	0	0.0	1.5	4.0	3.0	1.0						2 on powdery scab, round to oval, non uniform, medium netted
	Noya	558	625	89	8	89	0	3	1.083	0	0	0	0	1.5	1.5	4.0	3.0	1.0						2.5 powdery scab, long tubular tuber type, not uniform
	Calcedonia Pearl	519	659	79	18	79	0	3	1.069	0	0	0	0	1.0	2.0	3.0	3.0	1.5						flat round to oval, slight netted, slight silver scurf, OK general appearance
	Alliston	514	556	93	5	93	0	2	1.085	0	0	0	1	0.5	2.0	2.5	3.0	1.0						1 powdery scab, flat oval to oblong, medium netted
Superior	475	547	87	7	87	0	6	1.081	0	0	0	0	0.0	2.0	2.5	3.0	1.0						Rough gen appearance, deep apical eye, non uniform skin type, heavy netted	
Marta	289	598	48	42	48	0	10	1.069	0	0	0	0	1.5	1.5	4.0	3.0	3.0						2 powdery scab, oblong to long, flat, rough general appearance, bottlenecks, points, growth cracks, no bueno, DROP	
MEAN	522	625	83	13	83	0	3	1.075	0	0	0	0	0.7	1.8	3.4	3.0	1.3							
Yellow	Chas (05 6556.1)	1103	1143	96	3	96	1	1	1.050	0	0	0	0	0.5	1.5	2.5	3.0	1.5						1 for powdery scab, large blocky round to oval, light netted
	MSGG039-11Y	743	802	93	4	93	0	3	1.079	0	0	0	0	0.0	1.5	3.5	3.0	3.0						4.5 powdery scab, blocky round to oval, non uniform,
	Georgina	725	840	86	10	86	0	4	1.063	0	0	0	0	0.5	1.5	3.0	3.0	4.0						3.5 powdery scab, flat oval to oblong, non uniform, DROP due to powdery scab
	Georgina	691	803	86	7	86	0	7	1.064	0	0	0	0	0.5	2.0	3.0	3.0	4.0						2 powdery scab, blocky oval, growth cracks in pick outs
	Sensation	681	730	93	5	93	0	2	1.059	3	0	0	3	2.0	1.0	4.0	3.0	4.0						Flat round to oval, slight netted, non uniform
	W13103-2Y	671	728	92	7	92	0	0	1.061	0	0	0	0	1.5	1.5	2.5	3.0	4.0						Round to oval, golden yellow appearance, blocky oval tuber
	Montana	656	810	81	17	81	0	2	1.073	0	0	0	0	1.5	1.0	4.0	4.0	5.0						Flat oblong to long, nice general appearance, slight netting, traces of growth cracks
	Colomba	627	747	84	12	84	0	4	1.056	0	0	0	0	0.5	2.5	2.0	3.0	3.0						Round to oval, not uniform, light netted, slight silver scurf
	Decbel	614	749	82	14	82	0	4	1.067	0	0	0	0	2.5	1.5	4.0	3.0	1.5						Flat round to oval, non uniform, slight netted
	Vanilla	605	715	85	15	85	0	0	1.073	0	2	0	0	1.0	2.0	2.5	3.0	2.0						Round to oval, golden yellow appearance, uniform size
	Jelly	584	659	89	4	89	0	8	1.075	1	0	0	1	0.5	1.5	4.0	3.0	3.5						Medium netted, rough general appearance, oblong tuber
	Acoustic	571	675	85	12	85	0	3	1.086	0	0	0	0	2.0	1.5	3.0	3.0	2.0						Flat round to oval, pear shapes, mod silver scurf, slight netted
	Bernice	549	634	87	8	87	0	5	1.064	0	0	0	0	2.0	2.0	3.5	3.0	4.0						Round to oval, blocky, golden yellow, rough tuber type, non uniform, poor general appearance
	MSGG039-08Y	544	737	74	19	74	0	7	1.067	0	0	0	0	1.0	2.0	4.0	3.0	3.0						1 powdery scab, poor overall shape, flat oval to oblong
	Allison	540	713	76	21	76	0	3	1.072	0	0	0	0	1.0	2.0	4.0	3.0	1.0						3 powdery scab, flat oblong to long
	JPB8343-8W/Y	540	623	87	13	87	0	0	1.080	0	0	0	0	1.0	2.5	2.5	3.0	3.0						Golden yellow appearance, round oval, pear shape
	Gaya	526	587	90	7	90	0	3	1.070	0	0	0	0	1.0	1.0	3.0	3.0	4.0						Flat oval to oblong, blocky, non uniform, medium netted
	Christel	522	671	78	19	78	0	3	1.064	0	0	0	0	0.5	2.0	2.5	4.0	5.0						2 powdery scab, flat oval to oblong, pointed pear shaped, medium netted
Yukon Gold	508	572	89	8	89	0	3	1.084	6	0	0	0	1.0	1.0	3.0	0.0	0.0						2.5 on powdery scab, rough tuber type	
Tyson	506	564	90	4	90	0	6	1.080	0	0	0	0	1.0	1.5	4.0	3.0	3.0						1 Tyson scab, large flat round blocky to oval, good appearance, sheep nose	
Natalia	493	635	78	16	78	0	7	1.064	0	0	0	0	0.5	2.0	2.5	3.0	2.5						3 powdery scab, blocky oval pear-shape, points	
JPB8343-5W/Y	492	647	76	21	76	0	3	1.078	0	0	0	0	0.5	1.5	2.5	3.0	3.0						Smaller round to oval pear shape, slight pointed, deeper apical eyes	
Camilla	487	587	83	8	83	0	9	1.062	0	0	0	0	0.5	1.5	3.0	3.0	5.0						1.5 powdery scab, non uniform type, flat oval to oblong	
JPB8343-2W/Y	481	580	83	16	83	0	1	1.069	0	0	0	0	1.0	2.0	2.5	3.0	2.5						Round to oval, golden appearance, uniform tuber type, moderate silver scurf	
Queen Anne	469	687	68	31	68	0	1	1.063	0	0	0	0	1.0	1.0	3.0	3.0	4.0						2 on powdery scab, long tubular type, light netted, mod silver scurf	
CO16154-2Y	453	515	88	6	88	0	6	1.084	3	0	0	0	1.0	1.5	2.5	3.0	4.0						Flat round to oval, non uniform size	
W15240-2Y	449	577	78	20	78	0	2	1.060	0	0	0	0	1.5	1.5	2.0	3.0	3.0						3 powdery scab, flat oval, pear shape, some points	
Gala	430	623	69	27	69	0	4	1.067	0	0	0	0	1.0	2.0	3.0	3.0	4.0						Round to oval, lots of pear-shaped, slight netted, points	
Sound	364	611	60	29	60	0	12	1.068	1	0	0	0	1.0	2.0	3.0	3.0	3.0						2 powdery scab, flat long, misshapen, poor general appearance	
CO16279-5Y	364	437	83	12	83	0	4	1.091	2	0	0	4	0.5	1.0	3.5	3.0	4.0						Medium netted, flat round to oval, pear shape,	
Constance	338	425	79	19	79	0	2	1.074	0	0	0	0	1.0	1.5	2.5	3.0	3.0						1.5 on powdery scab, severe silver scurf, flat round to oval, non uniform	
Rock	302	557	54	45	54	0	1	1.079	0	0	0	0	0.5	1.5	3.5	3.0	3.0						Oval to oblong, smaller tuber, medium netted	
Juk	224	604	37	60	37	0	3	1.063	0	0	0	0	1.0	2.0	4.0	3.0	5.0						1 powdery, oval to oblong, pear shapes and points, light netted	
MEAN	541	666	81	16	80	0	4	1.070	0	0	0	0	1.0	1.6	3.1	3.0	3.2							

¹SIZE

Non-russet tablestock

Bt: < 1 7/8"

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

OV: > 3 1/4"

PO: Pockouts

% of total: Values rounded to the nearest whole number

²SPECIFIC GRAVITY

Total solids

(percent of tubers out of 10)

Tablestock Variety Trial, Styma Potato Farm, Presque Isle County

Planting: 05/30/2024 Vine Kill: 9/04/24 Harvest: 10/09/2024

CGDD₀: 3325

LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ² (%)				COMMON SCAB RATING ³	VINE VIGOR ⁴	VINE MATURITY ⁵	YELLOW FLESH COLOR ⁶		RED SKIN			SILVER SCURF ¹¹	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS				BC	WAXINESS ⁷	SKIN COLOR ⁸	UNIFORMITY ⁹	SILVER SCURF ¹¹		
Purple	BNC917-2	240	314	76	24	76	0	0	1.086	0	1	0	0	2.5	2.0	2.5	3.0	4.0	4.0	2.5	Oval to oblong, netted skin, alligator skin
Red	Red Norland	289	348	83	17	83	0	0	1.074	0	0	0	0	0.5	2.5	1.5	3.0	3.0	3.0	1.0	Severe silver scurf, round oval blocky tuber type
	Dark Red Norland	242	320	76	24	76	0	0	1.073	0	0	0	0	0.5	2.5	1.5	3.0	3.0	3.0	0.5	Smaller round to oval, severe silver scurf
	NDAFI13484B-1R	241	338	71	29	71	0	0	1.076	0	0	0	0	0.5	2.0	2.0	4.0	3.0	4.0	1.0	Round blocky tuber type, moderate silver scurf, stem end hips
	MSGG137-1R	229	354	65	34	65	0	1	1.092	0	0	0	0	0.5	2.5	2.0	3.0	3.0	4.0	0.5	Blocky round tuber type, sticky stolons moderate silver scurf, traces of points
	HZA13-1486	205	380	54	46	54	0	0	1.095	0	0	0	0	0.5	2.5	3.5	3.0	4.0	4.0	0.5	Smaller round tuber type, moderate silver scurf
	MSGG127-3R	168	244	69	31	69	0	0	1.096	0	0	0	0	1.5	2.0	4.0	3.0	3.0	3.0	0.5	Blocky round tuber type
	Cerata KWS	167	210	80	19	80	0	1	1.077	0	0	0	0	0.5	1.0	4.5	3.0	3.0	3.0	0.5	Smooth round to oval, netted skin
	BNC981-1	148	175	85	12	81	4	3	1.091	0	0	0	0	0.5	1.0	2.5	3.0	3.0	3.5	0.5	Large blocky round to oval
COYX050169-1R	59	150	40	58	40	0	2	1.080	0	0	0	0	0.5	1.0	3.5	3.0	3.0	4.0	4.0	0.5	Small round uniform tuber type, pink eye, moderate silver scurf sticky stolons
MSGG135-1R	56	224	25	72	25	0	3	1.099	0	0	0	0	1.0	2.0	4.0	3.0	3.0	3.0	0.5	Smaller round tuber type, sticky stolons, slight silver scurf	
	MEAN	180	274	65	34	64	0	1	1.085	0	0	0	0	0.7	1.9	3.2	3.0	3.2	3.5	0.6	
White	Caledonia Pearl	358	514	70	28	70	0	2	1.071	0	0	2	0	2.0	2.5	2.5	3.0	1.5			Round oval light skin appearance
	Sifra	302	468	64	35	64	0	1	1.091	0	2	0	0	2.0	2.0	4.5	3.0	1.0			Round to oval tuber type, bright appearance, sticky stolons, pear shaped tubers
	MSFF031-6	290	398	73	27	73	0	0	1.090	0	1	0	0	1.5	2.5	2.5	3.0	1.0			Bright round to oval tuber type, light netted tuber type
	Reba	220	292	75	25	75	0	0	1.089	0	1	0	0	1.0	2.0	2.0	0.0	0.0			Round oval blocky tuber type, light to medium netted skin, sticky stolons
	Marta	170	314	54	45	54	0	0	1.088	0	0	0	0	1.5	1.5	3.0	3.0	3.0			Oval to oblong tuber type
	Noya	169	237	71	26	71	0	3	1.089	0	1	0	3	2.0	1.0	4.0	3.0	1.0			Round to oval tuber type, bright appearance, sticky stolons
	MEAN	251	370	68	31	68	0	1	1.086	0	1	0	1	1.7	1.9	3.1	2.5	1.3			
Yellow	Chas (05 6556.1)	422	542	78	21	78	0	1	1.063	0	2	0	0	2.0	2.0	2.5	3.0	1.5			Round oval uniform tuber type, bright appearance
	Colomba	419	503	83	16	83	0	0	1.064	0	0	0	0	1.0	2.5	1.5	3.0	3.0			Bright round to oval blocky, golden yellow appearance
	Allison	353	521	68	30	68	0	2	1.088	1	0	0	0	2.0	2.5	4.5	3.0	1.0			Traces of points, oval to oblong, uniform tuber type
	Calla	342	431	79	18	79	0	3	1.078	0	0	0	0	3.0	2.5	3.5	3.0	4.0			Flat round to oval tuber type, blocky
	Jelly	328	389	84	14	84	0	2	1.092	0	0	0	0	1.5	1.5	3.5	3.0	3.0			Round oval lite skin appearance
	Acoustic	324	428	76	22	76	0	2	1.080	0	6	0	0	2.0	1.5	3.0	3.0	3.0			Blocky round to oval, bright skin appearance, not uniform
	MSGG039-11Y	319	410	78	20	78	0	2	1.094	0	3	0	0	1.5	2.0	3.5	3.0	3.0			Round oval tuber type, bright skin appearance, uniform tuber type
	Tyson	312	366	85	11	85	0	4	1.088	0	2	0	0	1.0	2.0	2.5	3.0	3.0			Bright round to oval, sticky stolons, good appearance
	Georgina	306	390	78	15	78	0	7	1.077	0	0	0	0	2.0	2.5	4.0	3.0	4.0			Blocky round to oval, bright skin appearance, not uniform
	IPB8343-8W/Y	277	380	73	23	73	0	4	1.091	0	0	0	0	1.0	2.5	2.5	3.0	3.0			Small round oval uniform tuber type, slight points
	WI3103-2Y	271	366	74	25	74	0	1	1.074	0	0	0	0	1.0	2.0	2.5	3.0	3.0			Smaller round uniform tuber type, good general appearance, golden yellow appearance
	Vanilla	260	377	69	30	69	0	1	1.088	0	0	0	0	2.0	2.5	2.5	3.0	3.0			Round oval uniform tuber type, buff skin
	CO16154-2Y	260	291	89	7	89	0	3	1.095	5	0	1	0	3.0	1.0	3.0	3.0	4.0			Large blocky not uniform tuber type
	CO16279-5Y	256	318	80	17	80	0	3	1.099	0	0	0	0	1.0	2.0	2.5	3.0	5.0			Buff skin, not uniform round to oval, points
	Christel	245	366	67	29	67	0	4	1.076	0	2	0	0	1.0	2.5	3.0	3.0	3.0			Round oval lite skin appearance, points
	Sensation	234	310	75	16	75	0	9	1.079	0	2	0	0	1.5	1.5	3.5	3.0	3.0			Round oval blocky tuber type, pointed ends
	MSGG039-8Y	191	327	58	40	58	0	2	1.096	0	3	0	0	2.0	2.0	3.0	3.0	3.0			Flat round to oval, golden yellow appearance, not uniform
	Montana	191	314	61	38	61	0	1	1.076	0	0	0	0	2.0	2.5	3.5	3.0	5.0			Oblong to long tuber type, flat
	Bernice	189	302	63	35	63	0	2	1.074	0	0	0	0	1.5	2.0	2.0	3.0	3.0			Round to oval tuber type, some pear shapes
	Queen Anne	187	327	57	40	57	0	2	1.078	0	2	0	0	2.5	1.5	2.5	3.0	4.0			Oblong to long golden yellow
	W15240-2Y	183	313	59	40	59	0	1	1.079	0	2	0	0	1.5	2.0	2.5	3.0	3.0			Smaller round to oval tuber type, bright appearance
	Decibel	163	322	51	42	51	0	7	1.071	0	4	0	0	1.5	2.0	3.5	3.0	3.0			Golden yellow appearance, points, bottlenecking
	Constance	145	231	63	34	63	0	3	1.088	0	3	0	0	1.0	1.5	3.5	3.0	3.0			Golden yellow appearance, points, round to oval tuber type
	Sound	141	346	41	58	41	0	1	1.091	0	0	0	0	1.0	2.5	3.5	3.0	3.0			Flat round to oval
	Nanalia	136	258	53	46	53	0	1	1.067	0	1	0	0	2.0	2.5	2.0	3.0	3.0			Round oval pointed pear shape
	Calla	132	291	45	54	45	0	1	1.078	0	0	0	0	1.5	2.5	2.0	3.0	4.0			Round oval tubers, golden yellow appearance
	Rock	123	295	42	56	42	0	2	1.098	0	3	0	0	2.0	2.5	2.5	3.0	3.0			Round to oblong small tubers
	IPB8343-2W/Y	120	213	56	42	56	0	1	1.081	0	0	0	0	1.5	2.5	3.0	3.0	4.0			Round to oval, uniform tuber type
IPB8343-5W/Y	107	263	41	59	41	0	0	1.089	0	0	0	0	1.0	2.0	3.0	3.0	3.0			Small round tuber type, skin cracking	
ATX13134-3W/Y	87	133	65	34	65	0	0	1.084	0	0	0	0	2.0	2.0	3.0	2.5	1.0			Round oval tuber type, light skin appearance, sticky stolons	
Jule	34	217	16	83	16	0	1	1.083	0	0	0	0	1.0	2.0	3.5	3.0	5.0			Flat round to oval	
	MEAN	228	340	65	33	65	0	2	1.083	0	1	0	0	1.6	2.1	2.9	3.0	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

(percent of tubers out of 10)

HH: Hollow Heart

VD: Vascular Discoloration

IBS: Internal Brown Spot

BC: Brown Center

³COMMON 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

⁴VINE VIGOR RATING

Date: 6/28/2024

Rating 1-5

1: Slow emergence

5: Early emergence

⁵VINE MATURITY RATING

Date: 8/26/2024

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date 5/30/2024

Vine Kill Date 9/4/2024

Harvest Date 10/9/2024

Days (planting to vine kill) 97

Days (planting to harvest) 132

CGDD₀ (planting to vine kill) 3325 (Hawks)

CGDD₀ (planting to harvest) 2599

Seed Spacing 10"

⁶WAXINESS RATING

1: Heavy netting, buff

5: Waxy, smooth

⁷FLESH

1: White

yellow

⁸SKIN COLOR

1: Light pink

Tablestock Variety Trial, Verbrigghe Potato Farms, Delta County

Planting date: 6/12/2024 Vine kill: 9/20/2024 Harvest date: 10/10/2024

CGDD₄₀: 2894

	LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR ²	RAW TUBER QUALITY ³ (%)				COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	YELLOW FLESH		RED SKIN			
		US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷	SKIN COLOR ⁹	UNIFORMITY ¹⁰	SILVER SCURF ¹¹
Red	Dark Red Norland	265	300	88	8	88	0	4	1.077	0	0	0	0	1	5.0	3.0			2.0	3.0	2.0	0.0
	NDF113484B-1R	253	297	85	11	85	0	4	1.075	0	20	0	0	0	5.0	3.5			2.0	5.0	5.0	0.0
	HZA 13-1486	219	282	77	20	77	0	2	NA	0	10	0	0	1	5.0	3.0			4.0	4.0	2.0	0.0
	MEAN	245	293	84	13	84	0	3	1.076	0	10	0	0	1	5.0	3.2			2.7	4.0	3.0	0.0
White	Noya	491	529	93	5	91	1	2	NA	0	0	0	0	1	4.0	4.5	4.0	4.0				
	Reba	376	404	93	3	93	0	4	1.075	0	0	0	0	1	5.0	3.5	NA	NA				
	MSFF031-6	248	283	87	10	86	2	2	NA	0	10	0	0	1	4.0	4.0	NA	NA				
	MEAN	372	405	91	6	90	1	3	1.075	0	3	0	0	1	4.3	4.0	4.0	4.0				
Yellow	Colomba	439	478	92	7	85	7	2	1.076	0	0	0	0	0	5.0	2.5	4.0	2.0				
	Sensation	418	462	91	9	91	0	0	NA	0	0	0	0	0	3.0	4.5	3.0	4.0				
	Jelly	394	421	93	4	92	1	3	NA	0	0	0	0	0	4.0	4.5	NA	NA				
	MSGG039-08Y	371	427	87	3	86	1	10	NA	0	10	0	0	2	5.0	3.5	3.0	2.0				
	Chas (05 6556.1)	345	363	95	4	91	4	1	1.064	0	0	0	0	0	5.0	3.5	4.0	2.0				
	MSGG039-11Y	334	380	88	11	88	0	2	NA	0	0	0	0	1	5.0	3.5	4.0	1.0				
	W13103-2Y	286	323	88	8	88	0	4	NA	0	0	0	0	1	5.0	3.0	5.0	4.0				
	CO16154-2Y	230	257	89	7	83	7	4	NA	0	10	0	0	1	3.0	3.5	2.0	5.0				
MEAN	352	389	90	7	88	3	3	1.070	0	3	0	0	1	4.4	3.6	3.6	2.9					
Chipping Lines	ND13220C-3	281	327	86	12	84	2	2	1.102	0	10	0	0	1	5.0	4.0						
	MSBB058-1	175	230	76	23	76	0	1	1.097	0	0	0	0	1	5.0	4.0						
	MEAN	228	279	81	17	80	1	2	1.100	0	5	0	0	1	5.0	4.0						

¹**SIZE**

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

²**SPECIFIC GRAVITY**

Total solids

³**RAW TUBER QUALITY**

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

⁴**COMMON SCAB RATING**

0.0: Complete absence of surface or pitted lesions
 1.0: Presence of surface lesions
 2.0: Pitted lesions on tubers, though coverage is low
 3.0: Pitted lesions common on tubers
 4.0: Pitted lesions severe on tubers
 5.0: More than 50% of tuber surface area covered in pitted lesions

⁵**VINE VIGOR RATING**

Date: 7/9/2024
 Rating 1-5
 1: Slow emergence
 5: Early emergence

⁶**VINE MATURITY RATING**

Date: 8/27/2024
 Rating 1-5
 1: Early (vines completely dead)
 5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date 6/12/2024
 Vine Kill Date 9/20/2024
 Harvest Date 10/10/2024
 Days (planting to vine kill) 100
 Days (planting to harvest) 120
 CGDD₄₀ MAWN Station 2894 | Escanaba
 CGDD₄₀ (planting to vine kill) 2490
 Seed Spacing 12"

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

Early Generation Tablestock Variety Trial, Walther Farms, Cass County

Planting: 05/22/2024 Vine Kill: 09/07/24 Harvest: 10/17/2024
CGDD#: 4026

LINE	CWTA		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ² (%)				COMMON SCAB RATING ³	VINE VIGOR ⁴	VINE MATURITY ⁵	YELLOW FLESH		RED SKIN			SILVER SCURF ⁶	COMMENTS		
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD				IBS	BC	WAXINESS ⁷	FLESH COLOR ¹	WAXINESS ⁷			SKIN COLOR ⁸	UNIFORMITY ⁹
Red	RP07-095	448	548	82	8	82	0	10	1.059	0	0	0	10	0.0	1.5	3.0	3.0	3.0	3.0	0.5	Growth cracks, flat round to oval	
	Rediva	390	534	73	19	73	0	8	1.085	0	0	10	0	0.5	1.5	4.0	3.0	3.0	3.0	1.0	Rough appearance, non uniform, poor general appearance, flat round to oval	
	MSH417-02	351	393	89	10	89	0	1	1.066	0	0	0	0	0.5	1.5	3.0	3.0	3.0	3.0	1.5	Non uniform tuber type, blocky	
	MSH415-01	334	374	89	10	89	0	0	1.062	0	0	0	0	0.5	1.5	3.0	3.0	4.0	4.0	0.5	Severe skinning, round tuber type, sticky stolons	
	COTX15083-1R	332	379	88	10	88	0	2	1.065	0	0	0	0	0.0	1.5	3.0	3.0	4.0	4.0	1.5	Blocky round, nice general appearance, moderate skinning	
	TC19094-1R	280	321	87	13	87	0	0	1.072	0	0	0	0	0.0	1.5	3.0	3.0	3.0	4.0	0.5	Blocky round tuber type, slight deep eye, slight skinning, DROP	
	MSH418-12	273	319	86	13	86	0	1	1.071	0	0	0	0	0.0	1.5	3.0	3.0	4.0	4.0	0.5	Smaller round tuber type, DROP	
	TX17802-5R	253	344	74	24	74	0	3	1.067	0	0	0	0	0.0	1.5	3.0	3.0	4.0	4.0	2.0	Non uniform tuber type, moderate skinning, some chimeral eyes, DROP	
	COTX050169-1R	234	292	80	18	80	0	2	1.056	0	0	0	0	0.0	1.5	3.0	3.0	3.0	4.0	2.0	Moderate skinning, round, non uniform	
	MSH432-03	135	218	62	33	62	0	5	1.064	0	0	0	0	0.0	1.5	3.0	3.0	3.0	3.0	0.5	Flat round tuber, non uniform, DROP	
ND14324B-7R	56	106	53	45	53	0	2	1.052	0	0	0	0	0.0	1.5	4.0	3.0	3.0	3.0	0.5	Very small tuber, rough		
MEAN	281	348	78	18	78	0	3	1.065	0	0	1	1	0.1	1.5	3.2	3.0	3.4	3.5	1.0			
Yellow	MSH344-05	459	523	88	6	88	0	7	1.066	0	0	0	0.5	1.5	2.5	3.0	3.0	3.0	3.0	0.5	Oval to oblong, lenticel scarring, some misshapen tubers, pointed, DROP	
	MSH320-04	444	482	92	5	92	0	3	1.057	0	0	0	0.0	2.0	3.0	3.0	3.0	3.0	3.0	0.5	Blocky round to oval, growth cracks, moderate black dot, slight apical eye	
	MSH344-02	416	521	80	15	80	0	5	1.061	0	1	20	0	2.0	1.5	3.0	3.0	3.0	3.0	0.5	Non uniform tuber, oval to oblong, lenticel scarring, DROP	
	MSH323-04	415	438	95	1	88	7	4	1.062	10	0	0	0	1.0	2.0	2.5	3.0	3.0	3.0	0.5	Blocky oval to oblong, medium netted, DROP	
	MSH308-05	411	474	87	12	87	0	2	1.065	0	0	0	0	0.5	2.0	3.0	3.0	3.0	3.0	0.5	Flat round to oval, non uniform, DROP	
	Cleo	404	459	88	9	88	0	3	1.065	0	1	30	0	0.5	1.5	3.0	3.0	3.0	3.0	1.0	Blocky round to oval, non uniform type	
	MSH323-06	403	470	86	6	86	0	8	1.057	0	0	0	0	0.5	1.5	3.0	3.0	3.0	3.0	0.5	Rough general appearance, blocky oval to oblong, growth cracks, moderate rhizoctonia	
	MSH320-03	329	368	89	11	89	0	0	1.064	0	0	0	0	0.0	2.0	2.5	3.0	3.0	3.0	0.5	oval to oblong, poor gen appearance, DROP	
	CO18054-4Y	322	349	92	2	92	0	5	1.078	0	0	0	0	0.0	1.5	3.0	3.0	3.0	4.0	0.5	Blocky round, traces of points	
	RP582-98	304	353	86	11	86	0	3	1.061	0	0	0	0	0.5	1.5	3.0	3.0	3.0	5.0	0.5	Round flat, medium netted, uniform tubers, OK gen appearance	
	T10	302	354	85	14	85	0	1	1.051	0	0	0	0	1.0	1.5	3.0	3.0	3.0	3.0	0.5	Small round tuber type, slight netted	
	JeJy	294	372	79	3	79	0	18	1.084	0	3	0	0	0.0	1.5	3.5	3.0	3.0	3.0	3.0	0.5	Flat oval to oblong, medium to heavy netted
	Acoustic	266	370	72	12	72	0	16	1.059	0	0	0	0	0.5	1.5	3.0	3.0	3.0	3.0	0.5	Flat round to oval, points, misshapen, non uniform	
	CO16279-5Y	216	284	76	19	76	0	5	1.082	0	0	0	0	0.0	1.5	3.0	3.0	3.0	5.0	0.5	Blocky round tuber, medium netted	
	Colomba	191	255	75	25	75	0	0	1.060	0	0	0	0	0.0	1.5	3.0	3.0	3.0	4.0	0.5	Round to oval, severe black dot	
AF6735-2	186	243	77	15	72	4	8	1.064	0	0	10	0	0.5	1.5	3.0	3.0	3.0	1.0	0.5	Flat blocky round to oval, growth, light netted skin, DROP		
Foxy	172	253	68	24	68	0	8	1.068	0	1	0	0	1.5	1.5	4.0	3.0	3.0	1.0	0.5	Rough non uniform tuber type, poor general appearance		
Rock	135	241	56	43	56	0	1	1.080	0	0	0	0	0.0	1.5	3.0	3.0	3.0	3.0	0.5	Flat oval to oblong, poor gen appearance		
T12	87	215	41	27	41	0	32	1.067	0	0	10	0	0.0	1.5	3.0	3.0	3.0	4.0	0.5	Flat round to oblong, non uniform, points and knobs, DROP		
CO16212-1Y	50	121	41	59	41	0	0	1.073	0	0	0	0	0.5	1.5	3.0	3.0	3.0	5.0	0.5	Small round tuber, DROP		
MEAN	290	357	78	16	77	1	6	1.066	1	0	4	0	0.5	1.6	3.0	3.0	3.0	3.2	0.5			

¹**SIZE**

Non-Fusset tablestock
Bc: < 1.78"
As: 1.78" - 3.14"
OV: > 3.14"
PO: Pickouts
% of total: Values rounded to the nearest whole number

²**SPECIFIC GRAVITY**

Total solids

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: 6/20/2024
Rating: 1-5
1: Slow emergence
5: Early emergence

⁶**VINE MATURITY RATING**

Date: 8/16/2024
Rating: 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

FIELD DATA

Planting Date: 5/22/2024
Vine Kill Date: 9/7/2024
Harvest Date: 10/17/2024
Days (planting to vine kill): 108
Days (planting to harvest): 148
CGDD40 MAWN Station: 4026 | Fairgrove
CGDD40 (planting to vine kill): 3155
Seed Spacing: 10"

⁷**WAXINESS RATING**

1: Heavy netting, buff
5: Waxy, smooth

⁸**FLESH**

1: White
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

Replicated Tablestock Variety Trial, Walther Farms, Cass County

Planting: 05/22/2024 Vine Kill: 09/07/24 Harvest: 10/17/2024
CGDD₀: 4026

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ² (%)				COMMON SCAB RATING ³	VINE VIGOR ⁴	VINE MATURITY ⁵	YELLOW FLESH		RED SKIN		SILVER SCURF ⁶	COMMENTS			
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD				IBS	BC	WAXINESS ⁷	FLESH COLOR ⁸			WAXINESS ⁷	SKIN COLOR ⁹	UNIFORMITY ¹⁰
Purple	BNC917-2	235	291	80	19	80	0	1	1.070	0	0	0	0	0.5	1.5	3.0		3.0	4.0	4.7	1.5	Oblong to blocky tuber type, severe skinning, slight black scurf
	Cerata KWS	421	462	91	7	91	0	1	1.079	0	0	0	0	0.7	2.0	2.8		2.7	3.0	3.3	0.5	Oval to oblong blocky tuber type, sticky stolons, growth cracks, ok general appearance, slight black scurf
	Dark Red Norland	367	403	91	6	91	0	3	1.066	0	0	0	0	0.0	2.0	2.3		3.0	3.3	3.0	1.3	Flat blocky round oval, pine cone eyes, not uniform tuber type, slight to moderate skinning
	HEA-13-1486	356	441	81	19	81	0	0	1.079	0	0	0	0	0.2	2.0	3.0		3.0	4.0	4.0	0.5	Flat round tuber type, slight black scurf, traces of skinning
	NDAFI13484B-1R	345	405	85	11	85	0	4	1.059	0	0	0	0	0.2	1.5	2.5		3.0	4.0	4.0	1.5	Blocky round to oval, knobs, black scurf, misshapen, pine cone eyes
Red	MSGG137-1R	342	391	87	13	87	0	0	1.081	0	0	0	3	0.3	1.7	3.0		3.0	3.0	3.0	0.7	Moderate to severe skinning, flat round tuber type, slight black scurf, rough appearance, blocky round tuber type, deep apical eyes
	AC11596-1R	339	409	83	15	83	0	2	1.065	0	0	0	0	0.2	1.8	2.8		3.0	4.0	4.0	1.2	Oval to oblong, traces of skinning, ok general appearance, some points, traces of black scurf
	MSGG127-3R	321	381	84	16	84	0	0	1.089	0	0	0	0	0.5	1.7	3.0		3.0	3.3	3.2	0.7	Uniform round tuber type, sticky stolons, deep eyes, growth cracks, medium size profile
	Rediva	263	396	67	31	67	0	3	1.090	0	0	3	0	0.2	1.5	3.0		2.7	3.0	3.5	1.5	Small round to oval tuber type, traces of misshapen, sticky stolons
	MSGG135-1R	259	390	66	34	66	0	0	1.085	0	0	0	0	0.5	2.0	3.0		2.8	2.8	3.5	1.2	Small round flat tuber type, light color, slight black scurf, sticky stolons
	BNC839-5	177	208	84	11	84	0	4	1.072	0	0	0	0	0.5	1.0	3.0		3.0	3.8	4.7	1.0	Blocky round tuber type, sticky stolons, slight skinning
	MSFF031-6	477	527	90	9	90	0	1	1.078	0	3	0	0	0.3	1.8	3.0	3.0	3.0	3.0	1.0		Flat blocky round large tuber type, deep apical eyes, light netted
	Noya	432	491	88	10	88	0	2	1.082	0	0	0	0	0.5	1.7	3.0	3.0	3.0	1.0			Round to oval, pear shaping, points, non uniform, points, light netted, slight black scurf, ok general appearance, bright skin
White	Foxy	378	480	79	20	79	0	2	1.077	0	0	0	0	0.7	1.5	3.0	3.0	3.0	1.0			Round tuber type, light to medium netted, points, pear shaping, ok general appearance
	Sifra	367	479	77	21	77	0	3	1.078	0	3	0	0	0.2	1.5	3.8	3.0	3.0	1.0			Flat round tuber type, growth cracks, misshapen, light to medium, black scurf
	Caledonia Pearl	179	393	45	53	45	0	1	1.069	0	0	7	0	0.3	1.5	3.0	3.0	3.0	1.5			Smaller round oval tuber type, points, light netted, bright appearance
	Georgia	488	547	89	8	89	0	3	1.065	0	0	0	0	0.5	2.0	2.8	4.0	4.0	4.0			Flat oval oblong, light netted, points, pear shaping, rough not uniform tuber type, traces of points, ok general appearance
	Chas (05 6556.1)	472	531	89	10	88	0	1	1.053	0	0	0	0	0.3	1.5	3.0	3.0	3.0	1.5			Flat round tuber type, bright appearance, medium netted
	Columba	440	514	86	12	86	0	2	1.055	0	0	0	0	0.5	2.3	2.7		3.0	3.0	3.0	3.0	Large oval blocky, light to medium netted, deep apical eye, rough
	W13103-2Y	436	479	91	6	91	0	3	1.062	0	0	0	0	0.7	1.7	2.8	3.0	3.0	3.0			Blocky round tuber type, light netted, slight deep eyes, growth cracks, slight black scurf
	IPB8343-5W/Y	413	497	83	16	83	0	1	1.073	0	0	0	0	0.5	2.2	3.0	3.0	3.0	3.0			Uniform round blocky tuber type, light to medium netted, deep apical eyes, sticky stolons
	Jelly	408	465	87	10	87	0	3	1.080	0	30	0	0	0.3	1.7	3.3	3.0	3.0	3.5			Blocky oval to oblong, light to medium netted, slight to moderate black scurf
	Camelia	376	441	85	11	85	0	5	1.063	0	13	3	0	0.7	1.7	3.0	3.0	3.0	4.0			Non uniform tuber type, flat oval to oblong, knobby and points, traces of misshapen, light netted, pear-like shapes
	IPB8343-8W/Y	365	418	87	10	87	1	3	1.076	3	0	0	0	0.2	2.2	2.8	3.0	3.0	3.0			Blocky round oval tuber type, rough deep eyes, moderate black scurf, light netted
	Montana	359	458	79	20	79	0	1	1.065	0	3	0	0	0.5	2.0	3.0	4.0	4.0	5.0			Flat oblong to long, light netted, traces of black scurf, growth cracks, not uniform
	IPB8343-2W/Y	358	429	81	19	81	0	0	1.067	0	0	20	0	0.2	2.3	2.8	3.0	3.0	3.0			Smaller round blocky, slight deep eyes, light to medium netted
	Christel	349	446	78	16	78	0	6	1.058	3	0	7	0	0.7	2.3	3.0	3.0	4.0	4.0			Flat round to oval, blocky tuber type, light netted, points, misshapen, pear-shapes
	W15240-2Y	344	435	78	18	78	0	3	1.062	0	3	0	0	0.3	1.5	3.0	3.0	3.5	3.0			Round tuber type, traces of points, light netted, traces of black scurf
	Gala	343	382	89	11	88	1	0	1.067	0	0	3	0	0.3	2.0	2.8	3.5	4.0	4.0			Blocky round oval, light netted, pear shaping, points
	Decibel	339	463	73	25	73	0	2	1.069	0	0	0	0	0.5	2.0	2.8	3.0	3.0	3.0			Oval blocky to oblong, light to medium netted, knobby stem ends, traces of black scurf, points, small tuber type
Yellow	Allison	338	471	72	27	72	0	1	1.078	0	0	0	0	0.3	2.0	3.0	3.0	3.0	1.0			Flat oval oblong to blocky, light netted, points
	Tyson	333	384	87	9	87	0	4	1.073	0	0	0	0	0.3	1.8	3.0	3.0	3.0	3.0			Flat round oval blocky, non uniform, growth cracks, points
	Acoustic	333	439	75	22	75	0	3	1.062	0	0	0	0	0.5	1.5	2.8	3.0	3.0	3.0			Flat round oval to blocky, lots of points, non uniform, light netted
	Queen Anne	328	470	70	30	70	0	0	1.062	0	0	0	0	0.3	1.5	3.0	4.0	4.0	4.0			Oblong long tubular, light netted, traces of black scurf
	MSGG039-11Y	317	373	85	14	85	0	1	1.073	0	0	0	0	0.5	1.5	3.0	3.0	3.0	3.0			Blocky round, light to medium netted, slight black scurf
	Vanilla	309	392	78	20	78	0	2	1.072	0	0	0	0	0.3	1.8	3.2	3.0	3.0	3.0			Round blocky oblong, light to medium netted, slight netted, slight black scurf
	Bernice	308	399	77	20	77	0	3	1.060	0	0	0	0	0.2	2.0	2.8	3.0	3.0	3.0			Round oval blocky tuber type, light netted, not uniform, sticky stolons, points
	Natalia	296	373	78	17	78	0	5	1.052	0	0	0	0	0.3	2.0	2.5	3.0	3.0	3.0			Oblong to long blocky, light netted, misshapen, growth cracks, pear shaping
	Constance	288	373	77	20	77	0	3	1.067	0	0	3	0	0.3	1.8	3.0	3.0	4.0	4.0			Not uniform tuber type, round oval, points, light netted
	MSGG039-08Y	263	438	60	36	60	0	4	1.074	0	3	0	0	1.0	1.8	2.8	3.0	3.0	3.0			Bottlenecking and points, flat round oval, not uniform, light netted, DROP
	Sensation	260	333	77	22	77	0	1	1.060	0	7	0	0	0.8	1.5	2.7	3.0	3.0	3.0			Flat round oval to oblong blocky, light netted, not uniform
	CO16279-5Y	226	274	81	13	81	0	6	1.083	7	0	10	0	0.7	1.5	3.0	3.0	3.0	5.0			Flat blocky round, light to medium netted, some pear shaping
	ATX13134-3W/Y	221	284	77	20	77	0	2	1.076	0	0	0	0	0.5	1.5	3.0	3.0	3.0	1.0			Traces of knobs, flat round, slight deep eyes, light to medium netted
	CO16154-2Y	188	248	76	11	74	2	13	1.086	7	0	7	3	1.3	1.3	3.0	3.0	3.0	5.0			Blocky round tuber type, knobs, medium netted, growth cracks, traces of black scurf, poor general appearance
	Marta	184	383	48	49	48	0	3	1.068	0	0	0	0	0.7	1.8	3.0	3.0	3.0	3.0			Long to oblong, pine cone eyes, growth cracks, moderate black scurf, not uniform skin, light netted
	Sound	167	395	42	52	42	0	6	1.072	0	0	0	0	0.3	2.0	3.0	3.0	3.0	3.0			Flat oblong long tubular, growth cracks, misshapen, points, light skin
	Rock	166	362	46	53	46	0	1	1.088	0	0	0	0	0.2	1.5	3.0	3.0	3.0	3.0			Small round tuber type, light to medium netted
	Jule	116	361	32	67	32	0	2	1.070	0	0	0	0	0.5	2.0	3.0	3.0	3.0	5.0			Small oval oblong uniform tuber type, medium netted, points, traces of points and knobs
	MEAN	321	413	77	21	77	0	2	1.071	0	1	1	0	0.4	1.8	2.9	3.1	3.0	3.0			
	LSD	92	92	8	7	8	1	4	0.005	3	9	6	2	0.6	0.3							

SIZE
Non-russet tablestock
Bc < 1.78"
As: 1.78" - 3.1/4"
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)
HH: 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: 6/20/2024
Rating 1-5
1: Slow emergence
5: Early emergence

VINE MATURITY RATING
Date: 8/16/2024
Rating 1-5
1: Late (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)
GDD₀ MAWN Station
GDD₀ (planting to vine kill)
Seed Spacing

5/22/2024
9/7/2024
10/17/2024
108
148
4026 | Fairgrove
3155
10"

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

COLOR
1: White
yellow

SKIN COLOR
1: Light pink
5: Dark red

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

Tablestock Variety Trial, Walther Farms, Cass County

Planting: 05/22/2024 Vine Kill: 09/07/24 Harvest: 10/17/2024
CGDD₀: 4026

LINE	CWT/A		PERCENT OF TOTAL ¹				RAW TUBER QUALITY ² (%)				COMMON SCAB RATING ³	VINE VIGOR ⁴	VINE MATURITY ⁵	YELLOW FLESH		RED SKIN			SILVER SCURF ¹¹	COMMENTS			
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD				IBS	BC	WAXINESS ⁷	FLESH COLOR ⁸	WAXINESS ⁷			SKIN COLOR ⁹	UNIFORMITY ¹⁰	
Red	NDAF113484B-1R	330	374	88	12	88	0	0	1.055	0	0	0	0	0.0	1.5	3.0	2.5	3.0	2.5	2.5	2.5	Round block uniform, moderate skimming	
	MSGG135-1R	322	448	72	28	72	0	0	1.080	0	0	0	0	0.0	2.0	3.0	3.0	3.0	3.0	0.5	0.5	Flat round, deep eyes, sticky stolon	
	Dark Red Norland	310	337	92	8	92	0	0	1.067	0	0	0	0	0.5	2.5	2.5	3.0	3.0	3.0	3.0	2.5	2.5	Round to oval tuber type, slight black scurf
	MSGG137-1R	292	359	81	17	81	0	2	1.077	0	0	0	0	0.0	1.5	3.0	3.0	3.0	3.0	0.5	0.5	Rough general appearance, deep eyes, blocky round, knobs	
	COTX15083-1R	239	275	87	13	87	0	0	1.060	0	0	0	0	0.0	1.5	3.0	3.0	4.0	4.0	2.5	2.5	Severe silver scurf, uniform round tuber type, DROP	
MEAN	299	358	84	15	84	0	0	1.068	0	0	0	0	0.1	1.8	2.9		2.9	3.2	3.1	1.7			
White	MSFF031-6	472	514	92	7	92	0	1	1.067	0	0	0	0	0.5	1.5	3.0	3.0	1.0				Flat round blocky deep apical eyes, light netted, growth cracks	
	Reba	431	460	94	6	94	0	1.074	0	3	0	0	0	0.5	1.5	3.0	3.0	1.0				Large blocky tuber, deep eyes, light netted	
	Superior	366	390	94	4	94	0	1	1.073	0	0	0	0	0.5	2.0	3.0	3.0	1.0				Round blocky flat tuber type, netted skin, deep eyes	
	MEAN	423	454	93	6	93	0	1	1.072	0	1	0	0	0.5	1.7	3.0	3.0	1.0					
Yellow	Chas (05 6556.1)	650	706	92	7	91	1	1	1.052	0	0	0	0	1.0	1.5	3.0	3.0	1.5				Blocky round, growth cracks	
	IPB8343-5W/Y	493	571	86	13	86	0	1	1.072	0	0	0	0	0.5	2.0	3.0	3.0	3.0				Round tuber, light netted	
	Jelly	420	488	86	8	86	0	6	1.075	0	0	0	0	0.0	1.5	4.0	3.0	4.0				Oval to oblong, blocky, light netted	
	Gaya	416	488	85	9	85	0	6	1.072	0	2	0	0	0.5	1.5	4.0	3.0	3.0				Large oval blocky, light netted, deep apical eyes	
	MSGG039-08Y	395	547	72	24	72	0	4	1.065	0	0	0	0	0.5	1.5	3.0	3.0	3.0				Flat round to oval, med netted, traces of growth	
	Yukon Gold	395	427	93	7	93	0	1	1.080	0	0	1	0	0.0	1.5	3.0	3.0	3.0				Flat round to oval, light pink eyes	
	IPB8343-8W/Y	376	427	88	11	88	0	1	1.075	0	0	0	0	0.5	2.0	3.0	3.0	3.0				Blocky round to oval, deep eyes, light netted	
	IPB8343-2W/Y	368	465	79	17	79	0	3	1.072	0	0	1	0	0.5	2.0	3.0	3.0	3.0				Blocky round, deeper eyes, rough general appearance	
	MSGG039-11Y	283	350	81	14	81	0	5	1.072	0	0	0	0	1.0	1.5	2.5	3.0	3.0				Blocky round tuber type, traces of knobs, moderate black scurf	
MEAN	422	496	85	12	85	0	3	1.070	0	0	0	0	0.5	1.7	3.2	3.0	2.9	2.9	3.2	3.1	1.7		

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: 6/20/2024

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

⁶VINE MATURITY RATING

Date: 8/16/2024

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

⁷FIELD DATA

Planting Date: 5/22/2024
Vine Kill Date: 9/7/2024
Harvest Date: 10/17/2024
Days (planting to vine kill): 108
Days (planting to harvest): 148
CGDD40 MAWN Station: 4026 | Fairgrove
CGDD40 (planting to vine kill): 3155
Seed Spacing: 10"

⁸WAXINESS RATING

1: Heavy netting, buff
5: Waxy, smooth

⁹FLESH

1: White
yellow

¹⁰SKIN COLOR

1: Light pink
5: Dark red

¹¹UNIFORMITY OF SKIN COLOR

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

¹²SILVER SCURF

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

Statewide Table Russet Variety Trials: Summary Across 12 Locations Least Square Means

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				
MN19AF6945-003 ^j	726	783	91	6	50	40	3	1.075	0	0	6	0	2.5	2.6	2.8	Round to oval tuber type, knobs and heat sprouts, soft rot, light russet
W19039-6Rus ^k	589	653	86	12	64	22	1	1.082	0	2	4	0	0.6	2.8	3.1	Oblong to long, medium russetting, misshapen, consistent skin and tuber type
A16051-3 ^j	577	702	81	12	65	16	7	1.075	10	0	0	0	2.0	2.6	2.8	Severe rots, bottlenecking, slight growth cracks, heat sprouts, not uniform tuber type, DROP
A15254-5 ^j	538	658	81	10	75	5	9	1.079	0	0	46	0	1.0	1.6	2.8	Bottlenecking, long tuber type, misshapen, DROP
A18243-1 ^j	534	663	80	14	77	2	7	1.077	0	0	0	0	2.0	3.1	2.8	Medium russet skin, smaller oval to oblong, bottlenecking, heat sprouting
A08433-4STO ^{abcdehghi}	512	589	87	8	81	6	4	1.085	20	2	3	0	0.7	2.4	4.1	Large oblong to long to blocky, light russetting, sticky stolons, traces of knobs, misshapen appearance, 2.0 rating for silver scurf, points
A18084-1sto ^j	511	638	79	13	14	65	8	1.079	0	0	0	0	2.5	2.6	2.8	Misshapen tubers, smaller size tuber profile, not uniform tuber type, medium russet skin
AF6384-2 ^{abdefgi}	498	573	85	11	75	10	4	1.082	14	2	2	0	1.0	2.5	3.4	Large oblong to long, light to medium russetting, traces of knobs, traces of rots, pink eye disorder, OK general appearance Oblong to long tuber type
Campagna ^{ghi}	495	604	82	13	80	2	5	1.073	12	3	2	0	0.5	2.4	3.4	Uniform medium russetting, good general appearance, large oblong to long tuber type, pine cone eyes, knobs, misshapen, alligator skin, some nice skin and shaped tubers
A12305-2 ^{abdefgi}	495	580	85	5	78	7	10	1.079	5	1	2	0	1.5	2.4	3.6	Misshapen, large oblong to long wavy tuber type, slightly rough, not uniform, light to medium russetting, knobs, black scurf, pine cone eyes, Odour and severe rots, growth cracks, moderate skinning, sticky stolons, points, apical growth cracks, misshapen, poor tuber shape tubular-like, skinny tubers, DROP
Russet Norkotah^{abcdehijkl}	487	575	84	10	77	7	6	1.074	18	8	2	0	1.0	2.5	3.0	Large blocky, oblong to long tuber type, medium to heavy russetting, knobs, rough general appearance, misshapen, moderate pink eyes, non uniform skin, prominent eyes, pointed ends
Silverton Russet^{abcdehghk}	487	549	88	8	79	9	4	1.076	10	1	6	0	0.4	2.8	3.3	Nice tuber type and appearance, light to medium russet, oblong to long block, growth cracks, nice general appearance, alligator skin, black scurf, misshapen, points
A18077-11TE ^j	482	690	70	14	66	4	16	1.091	0	0	0	0	0.5	3.1	3.8	Heavy russetting, traces of misshapes, bottlenecking, slight points, would test again
COA17105-1 ^j	482	642	75	6	66	8	20	1.078	0	0	0	0	2.0	2.6	2.8	Light russet skin, elongated tubers, misshapen tubers, DROP
A15094-13 ^j	478	655	73	13	72	0	14	1.077	20	0	0	0	2.5	2.1	2.8	Light russet skin, misshapen tubers, bottlenecking, heat sprouting, DROP
A12327-5VR ^{abcdehghi}	474	546	86	8	75	10	6	1.078	10	2	3	0	0.3	2.5	3.4	Blocky oblong to long, knobs, very large tuber type, medium to heavy dark russetting, ok general appearance, traces of growth cracks, pine cone eyes, traces of sticky stolons, alligator skin, black scurf, rough tuber appearance, growth cracks, bottlenecks, misshapen, skinning, DROP
A15077-9TE ^j	470	509	90	6	51	39	4	1.090	30	0	0	0	0.0	2.1	2.8	Large blocky tuber type, slight growth cracks, sticky stolons, interesting selection see again
A18224-2 ^j	467	512	89	9	53	36	2	1.087	0	40	6	0	2.5	3.1	2.8	Blocky oblong, light russet skin type
AOR15166-2 ^{abdefgi}	467	516	89	8	82	7	3	1.092	0	3	2	0	0.7	2.4	3.2	Oblong to long, medium russetting, sticky stolons, nice appearance, misshapen pick outs, uniform tuber type
ML-3 ^{bcdehghi}	465	599	77	18	74	3	5	1.075	15	0	2	0	1.8	2.6	2.8	Oblong to long tuber type, pointed stem end, golden appearance, not uniform tuber type, light bright skin type, golden yellow, points, knobs, black scurf, misshapen
OR18H019-2 ^j	459	630	73	12	58	14	15	1.087	10	20	0	0	2.0	2.1	3.3	Secondary growth, knobs and misshapen, growth cracks, medium russetting, heat sprouts, DROP
A18035-13 ^j	458	636	72	17	66	5	12	1.082	0	20	0	0	1.0	2.1	2.8	Medium russet tuber type, heat sprouts, misshapen tubers, slight knobs, variable tuber type
AOR15227-2 ^{abdefgi}	451	542	81	9	75	7	9	1.091	10	4	2	0	1.4	2.5	3.4	Severe knobs, medium russetting, misshapen tubers, oblong to long blocky, non uniform, pine cone eyes, rough appearance, not uniform, ugly, moderate skinning, OK general appearance, sticky stolons, tubular-like tubers, DROP
AOR16066-5 ^{acfgj}	450	542	83	11	76	6	7	1.072	1	2	5	0	1.7	2.0	2.7	Large oblong to long, light to medium russetting, not uniform, knobs, misshapen, DROP
Reville Russet^{abcdehghi}	441	513	86	7	75	10	7	1.071	0	0	1	0	0.4	1.9	3.1	Large oblong to long, medium to dark russetting, slight skinning, misshapen, non uniform, black scurf, alligator skin, growth cracks, knobs, consistent skin

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				
AF6340-6 ^{acdefgk}	439	528	82	16	79	3	3	1.067	1	6	2	0	1.2	2.6	2.8	Oblong to long tubular, alligator skin, light to medium russetting, black scurf, severe silver scurf, OK appearance, non uniform tuber type, nice shape, skinning, poor shape, bad appearance
AF6314-12 ^{acdefgk}	438	511	85	9	78	7	6	1.083	10	2	23	0	1.1	2.2	3.5	Large oblong blocky, light to medium to heavy russetting, non uniform, black Large oblong to long blocky, light to medium russetting, black scurf, slight rots, not uniform skin, severe silver scurf, Knobs, growth cracks, misshapen, rough general appearance, deep apical eyes, moderate skinning, 4.0 rating on powdery scab, long tubular tubers, pine cone eyes, tubular, prominent eyes, Growth cracks, medium to dark russetting, large blocky tuber type, moderate skinning, black scurf, good general appearance, growth cracks, slight sheep nose, nice skin, slight alligator skin, sticky stolons
AAF15169-3 ^{acdefgk}	435	528	80	14	75	4	6	1.085	4	1	1	0	1.4	2.8	3.0	Medium russetting, rough general appearance, non uniform, large long tubers, light to medium russetting, slight growth cracks, traces of misshapen tubers, nice tubers, consistent shape
AF6377-10 ^{acdefgk}	431	477	89	7	74	15	4	1.074	15	1	1	1	0.2	1.7	3.1	
Peribonka ^{ei}	428	498	86	8	78	8	7	1.081	12	2	1	0	0.5	2.5	2.5	
W19037-11Rus ^{fk}	425	545	76	21	74	2	3	1.077	0	1	1	0	0.8	2.7	2.5	Light to medium russetting, flat oblong long, not uniform, growth cracks, sheep no
AF5736-16 ^{acdefghk}	423	484	87	10	79	7	3	1.091	10	4	1	0	0.6	2.0	3.8	Oblong to long, light to medium russetting, good general appearance, black scurf, misshapen, pick outs, growth cracks, sticky stolons, smaller tubers
AAF15180-3 ^{gk}	420	505	81	14	73	8	5	1.084	3	3	15	0	1.0	2.1	3.4	Consistent light skin, tubular, prominent eyes, some bottlenecks
A18476-3adg ^j	416	461	88	11	82	5	2	1.080	0	10	0	0	0.0	1.6	2.8	Light russet skin, good general appearance, test again
MN19AOR16061-007 ^{abcdgk}	412	509	73	23	71	2	4	1.079	0	1	10	0	0.6	2.6	3.4	Oblong to long, dark russetting, slight skinning, black scurf, points, growth cracks, good general appearance, nice skin, smaller tubers, nice shape but small tubers, uniform
A18215-3 ^j	408	779	54	15	53	1	31	1.084	0	0	0	0	0.5	2.6	2.8	Bottlenecking, long tuber type, DROP
A18503-2sto ^j	408	501	80	7	60	20	13	1.093	0	0	0	0	1.0	2.1	3.3	misshapen bottlenecking, medium heavy russetting, growth cracks
AFA5661-8 ^{acdefgi}	405	462	87	8	82	6	5	1.086	0	13	2	0	1.2	2.0	3.5	Light russetting, sticky stolons, oblong to long tuber type, black scurf, pine cone eyes, not uniform tubers, traces of points, rough tubers, nice general appearance growth cracks, misshapen, poor skin (inconsistent), apical skin cracks, deeper eyes, DROP
AF6855-4 ^{abdefgk}	403	471	82	15	77	5	4	1.087	14	1	2	0	1.7	2.5	3.2	Oblong to long, traces of skinning, medium to heavy russetting, traces of heat sprouts, blocky tuber type, black scurf, slight skinning, poor appearance, DROP
MN18W17091-015 ^j	401	612	66	8	43	23	26	1.074	0	10	0	0	2.0	2.6	2.8	Long tubular pointed ends, misshapen tubers, apical growth cracks, DROP
TX20076-1RU ^{pk}	392	507	79	10	71	8	11	1.067	4	8	9	0	0.6	2.5	3.8	Blocky oblong tuber type, nice general appearance, medium russet skin, severe growth cracks, secondary growths, misshapen
Vanguard ^{acdefgh}	389	469	81	15	77	4	4	1.068	1	2	5	0	0.6	2.2	2.6	Light to dark russetting, growth cracks, oblong to long tuber type, misshapen, non uniform russetting, knobs, misshapen in pick outs, nice general appearance, nice type and skin
AF6377-12 ^{acdefghk}	386	459	82	14	74	7	4	1.081	11	4	7	2	0.6	2.1	3.0	Blocky oblong to long large tuber type, dark russetting, traces of growth cracks, growth cracks, black scurf, prominent eyes, nice general appearance, slight alligator skin
AF7001-5 ^{acdefghk}	382	469	78	15	75	3	7	1.085	6	0	1	1	0.8	1.9	3.2	Large oblong to long, light russetting, traces of pine cone eyes, misshapen, black scurf, pine cone eyes, uniform, nice appearance
AF6749-3 ^{acdefgk}	380	490	77	17	74	3	6	1.085	6	3	2	0	0.6	2.3	3.1	Oval to oblong tuber type, mishappen, growth cracks, knobs, medium russet skin Round oval blocky, pine coning eyes, slightly misshapen, rough general appearance, prominent eyes, uniform type, sticky stolons, traces of points, nice tuber type, slight skinning
A15175-1 ^j	378	530	71	20	70	1	8	1.082	0	0	0	0	1.5	2.1	2.8	Light russet skin, tubular tuber type, not uniform
AAF10596-1 ^{acdefgk}	376	466	80	15	74	6	5	1.088	3	2	4	0	2.0	2.4	2.9	Light to medium russetting, oblong to long tuber type, sticky stolons, black scurf,
AOR11908-2 ^{cddefgi}	368	460	80	10	75	5	10	1.071	18	5	1	2	0.5	2.5	2.8	Long to oblong, misshapen, black scurf, medium to heavy russetting, knobs, nice skin, points and knobs, pine cone eyes, prominent eyes, non uniform tubers
AOR16118-1 ^{cddefgi}	368	453	81	15	75	6	5	1.089	37	4	1	0	0.9	2.3	3.0	Blocky, light russetting, pine coning, rough appearance, black scurf, severe
W13008-1Rus ^{acdefghi}	362	438	80	16	75	4	4	1.077	7	2	4	1	0.8	2.6	3.1	Large block tuber type, growth cracks, alligator skin, sticky stolons, medium to light russetting, nice general appearance, misshapen, pointed ends, non uniform tuber type, flaky skin, points

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				
AF6750-3 ^{abcde} fgik	361	438	81	11	75	6	8	1.076	0	0	1	0	0.4	2.1	3.2	Oblong to long tubular, medium to heavy russeting, black scurf, misshapen appearance, prominent eyes, prominent eyes, pine cone eyes, points, knobs, nice general appearance, pear-sharpen tubers
Goldrush ^{bcde} gh	360	450	79	13	75	4	8	1.068	12	0	1	0	0.2	2.5	2.9	Slight skinning, pine cone eyes, tubular, black scurf, medium to heavy russeting, heavy russeting, non uniform tuber type, blocky oval to oblong, good general appearance
MN19TX18206-002 ^j	350	564	63	37	63	0	0	1.083	0	20	0	0	3.0	1.6	3.8	Round to oblong, golden appearance, 90 percent heat sprouts, misshapen tubers, small tuber type, DROP
AF5762-8 ^{acdefghik}	349	416	81	13	76	5	6	1.089	22	7	5	0	0.4	2.1	3.5	Medium to heavy russeting, large long to oblong, traces of pine cone eyes,
CO13003-1RU ^{abcde} fgi	348	450	77	17	74	4	6	1.071	10	0	3	6	0.5	2.4	3.0	Blocky oblong to long, medium to heavy russet skin, moderate skinning, slight growth cracks, black scurf, ok general appearance, misshapen tubers, alligator skin, consistent small tuber type and skin, greening, sprouting
NDAF1791-6 ^k	341	466	73	17	63	9	10	1.089	20	2	0	0	2.6	2.3	3.1	
A15084-4 ^j	338	417	79	12	74	5	8	1.086	10	0	26	10	2.5	2.1	2.8	Knobs, misshapen, medium russet skin type, traces of growth cracks
AOR18053-7 ^j	336	441	75	19	75	0	6	1.085	0	0	0	0	1.5	2.1	2.8	Sticky stolons, tubular tuber type, medium russet, DROP
AOR16071-6 ^{bcij}	333	444	76	17	70	6	7	1.080	3	2	6	0	2.3	2.5	3.0	Oblong to long tuber type, light skin appearance, pointed, misshapen, pointed, lots of greening, smooth tablestock type, apical growth cracks, light skin, doesn't look like a russet DROP
COTX10080-2RU ^{bcde} fgi	330	405	78	18	74	4	4	1.072	3	0	2	0	0.6	2.2	3.3	Medium tuber rots, oblong to long tuber type, medium to heavy russeting, traces of alligator skin, black scurf, pointed, growth cracks, bottlenecking, misshapen, nice skin
A13091-5 ^{bd} fgij	328	389	82	15	78	3	4	1.083	4	8	0	0	0.8	2.2	3.0	Small nice appearance tubers, variable skin finish, tubular shape
W19039-3Rus ^{abcde} fgk	326	391	83	12	73	9	5	1.068	0	3	1	0	1.0	2.4	2.4	Light russet skin type, blocky oblong to long tuber type, misshapen pine cone, ok general appearance, tubular-like, large rough tubers, moderate stem end rot, traces of rots Misshapen, very poor tuber type, DROP
Meister ^{acde} fgi	326	506	63	31	60	4	5	1.086	0	2	3	0	2.0	3.2	3.1	Oblong to long, light skin type, bottlenecking, points, light skin appearance, black scurf, points, misshapen, non uniform, shiny tablestock skin, smooth skin, no russeting, growth cracks
W19034-30Rusk	319	522	62	27	62	0	11	1.078	0	2	0	0	1.1	2.8	2.6	Misshapen, pointed, bottlenecks
A18057-2TE ^j	316	429	73	20	73	0	7	1.079	0	0	0	0	2.0	2.1	2.8	Smaller tuber type, oblong to long, light russet, slight growth cracks
OR18002-2 ^{fgi}	313	383	80	13	71	10	7	1.079	3	1	0	0	0.4	2.1	2.8	Oblong to long tuber type, misshapen, medium russeting Large blocky tuber type, not uniform skin type Flat oblong to long, medium dark russeting, rough general appearance
AOR15152-2 ^j	310	447	69	11	63	7	19	1.089	30	10	0	0	2.0	1.6	2.8	Bottlenecking, medium russeting, misshapen tubers, tubular tuber type
A15028-2TE ^j	309	390	78	12	78	0	10	1.077	0	0	0	0	1.0	1.6	3.8	Medium russeting, oblong to long, ok shape, traces of knobs
MN18W17091-005 ⁱ	304	476	65	9	45	20	27	1.074	10	0	0	0	1.5	2.1	2.8	Misshapen, tubular, light to medium russet skin, pointed ends, DROP
T 08 ^j	300	425	71	18	71	0	11	1.074	0	0	0	0	2.0	2.1	2.8	Smaller oblong to long, misshapen, slight growth cracks, medium buff skin type
MN18W17076-001 ⁱ	286	337	82	15	77	5	3	1.082	0	0	0	0	0.0	1.6	2.8	Dark russet skin type, not uniform skin and tuber type
Umatilla Rus ^{eff}	281	477	60	30	55	6	10	1.075	20	1	8	10	1.0	2.0	2.9	Medium russet, long tubular, rough gen appearance
A13072-7 ^{df} gij	280	321	86	7	80	6	7	1.079	29	6	2	0	0.8	2.2	3.1	Round oval to blocky, medium russeting, black scurf, not uniform, misshapen tubers, some uniform good appearance, variable skin finish, smaller tuber size, traces of growth cracks
A15102-11 ^j	277	439	64	28	64	0	8	1.085	0	0	16	0	2.5	2.6	2.8	Oblong to long tuber type, misshapen, light russeting, DROP
AOR18511-1 ^j	274	336	79	11	70	9	9	1.090	50	0	0	0	1.0	1.6	2.8	Heat sprouts, oblong blocky, knobs, light to medium russet
PSS11357-21 ^{abcde} fg hij	271	338	79	15	75	4	6	1.084	1	2	1	0	0.5	2.2	3.9	Large oblong to long tubular tuber type, pointed, light to medium russet skin, knobs, black scurf, not uniform, rough appearance, poor tuber shape, Nice skin, misshapen, points, growth cracks, bottlenecks, heat knobs, dark russet skin, oblong to long, light skinning, black scurf, pine coning, nice bright medium russet
CO15016-1Rusto ^{abcde} fgik	270	422	64	28	62	3	7	1.073	14	0	3	0	0.6	2.3	2.9	Medium to heavy russeting, oblong to long tuber type, not uniform russeting black scurf Dark russet, large uniform tubers, moderate skinning, misshapen pick outs, OK general appearance, rough, deeper eyes, slight skinning
AF6465-7 ^{abcde} fgi	265	370	70	26	65	5	4	1.077	6	3	7	2	0.6	2.2	2.8	Misshapen tuber type, long tuber type, DROP
A11887-5adg ^j	265	427	63	13	56	8	24	1.071	0	0	16	0	1.5	1.6	2.8	Misshapen, light to medium russeting, blocky tuber type Light skin, prominent eyes,
MN19AOR17020-009 ^b	265	368	71	19	67	4	11	1.080	10	1	8	0	1.0	1.8	3.7	

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				
AOR13064-2 ^{acdefgi}	258	357	69	24	63	6	7	1.086	18	2	5	0	0.8	2.6	3.6	Traces of black scurf, medium russetting, oblong to long tuber type, points, ok general appearance, pointed, non uniform, pink to purplish blush to skin, rough general appearance, apical skin cracks, inconsistent skin finish, some nice type tubers, DROP
AOR15194-2 ^j	247	369	67	16	65	2	17	1.080	0	0	6	0	2.0	2.1	2.8	Oblong to long tuber type, misshapen
NDAF13242B-3 ^k	245	339	74	20	74	0	6	1.079	0	2	0	0	2.6	2.3	3.1	Very poor tuber type and appearance, DROP
CO16238-4RU ^{hbcdefgijk}	244	348	69	27	67	1	4	1.075	1	1	8	0	0.5	2.0	2.9	Medium russetting, oblong to long, good general appearance, sticky stolons, small and knobby not uniform tuber type, slight alligator skin, bottlenecking, knobs, misshapen, pointed, tubular-like, slight skin cracks, DROP
T 05 ^j	217	413	55	33	55	0	13	1.069	0	30	0	0	3.5	1.6	2.8	Bright smooth skin, bottlenecking, misshapen tubers, DROP
AFA6346-2 ^j	210	537	43	15	43	0	42	1.082	0	0	0	0	2.5	2.1	2.8	Misshapen, knobs bottlenecking, DROP
A16018-4TE ^j	178	392	49	8	39	10	43	1.082	0	0	26	0	0.5	1.1	2.8	Not uniform tuber type, misshapen tuber type, DROP
MN18CO16154-009 ^j	178	276	65	29	66	0	6	1.090	0	0	36	0	1.0	2.6	2.8	Oval to oblong, golden appearance, heat sprouting
MN19AOR16059-001 ^l	170	253	68	12	57	11	20	1.079	0	0	16	0	0.5	2.1	1.8	Not uniform russetting, knobs, points
A18085-9 ^j	169	347	52	28	52	0	19	1.074	0	0	0	0	0.5	2.1	2.8	Light russet skin, tubular, pointed ends, knobs
CO15070-4RU ^{hbcdefgijk}	147	295	50	45	48	2	6	1.072	0	4	1	0	0.3	2.5	2.8	Slender tubular tuber type, purple skin blush, medium to dark russetting, knobs, pointed ends, misshapen, uniform, general appearance, good general appearance, great skin appearance
T 01 ^j	146	420	40	46	40	0	14	1.079	0	0	0	0	2.5	2.1	2.8	Tubular, bottlenecks, points, heat sprouts, DROP
NDAF1791-1 ^k	140	386	45	15	45	0	41	1.101	0	2	0	0	0.1	1.8	3.1	Oblong to long tuber type, heat stress, knobs and pine cone eyes, DROP
A18682-8sto ^j	126	147	80	13	76	5	7	1.089	10	0	0	0	1.5	2.1	2.3	Not uniform, medium russet skin type
A17053-1ZC ^j	125	154	77	11	53	24	11	1.090	10	10	26	0	1.0	2.1	2.8	Slight knobs, medium russet skin type, slight heat sprouts, bottlenecking
COTX19072-2Ru ^k	119	197	70	26	70	0	4	1.073	0	42	0	0	3.1	1.8	1.1	Light skin, poor tubular appearance, DROP
MN19CO17074-003 ^j	113	130	80	19	73	6	1	1.077	0	0	0	0	1.5	2.6	1.8	Round white to oval uniform, bright appearance
TX20118-1RuR ^k	109	396	37	13	26	11	50	1.068	0	22	24	0	1.6	2.8	2.6	Severe herbicide injury, DROP
COTX17304-1RU ^k	106	237	45	53	43	2	2	1.076	3	2	0	0	2.1	2.0	1.1	Smaller oblong to long tuber type, medium russet skin, poor yield, nice dark uniform russet skin
COTX19136-1Ru ^k	99	228	57	42	57	0	1	1.075	0	2	0	0	1.6	1.3	1.1	Misshapen tubers, variable skin type
Russet Burbank ^l	66	269	27	64	22	6	8	1.073	0	1	0	0	1.0	2.5	2.9	Small, tubular, not uniform, knobby
MEAN	350	464	74	17	67	7	9	1.080	6	4	4	0	1.2	2.2	3.0	

2024 Table Russet Variety Trial Sites

- ⁴L Farms, Inc.,
- ⁵Elmaple Farms LLC
- ⁷Horkey Brothers Farm
- ⁸Jenkins Potato Farm
- ⁹Küchen Farms, Inc.,
- ⁶Lennard Ag Co.
- ⁸Syma Potato Farm
- ⁸Verbrigghe Potato Farms
- ⁸Walther Farms Cass City NFPT
- ⁸Walther Farms Cass City Replicated
- ⁸Walther Farms Strip

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

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

⁶VINE MATURITY RATING

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

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

Planting: 05/28/2024 Vine Kill: 9/27/24 Harvest: 10/18/2024

CGDD₁₀: 3902

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				
AOR15166-2	696	731	95	2	95	0	3	1.098	0	0	0	0	0.5	1.0	3.5	Oblong to long, medium russetting
A12305-2adg	680	736	92	3	92	0	5	1.081	20	0	0	0	0.5	1.0	4.0	Oblong to long wavy tuber type, slight rough, and light russetting
A12327-5VR	664	738	90	2	82	8	8	1.082	50	0	0	0	0.0	1.0	3.5	Blocky oblong to long, knobs, very large tuber type, medium dark russetting, ok general appearance, traces of growth cracks
Russet Norkotah	638	685	93	3	93	0	3	1.071	40	0	0	0	1.0	1.0	3.5	Large blocky, oblong to long tuber type, medium russetting, knobs
W13008-1Rus	616	674	91	4	91	0	4	1.069	10	0	0	0	1.0	1.0	3.5	Large block tuber type, growth cracks, oblong to long tuber type, alligator skin, sticky stolons
AF6377-10	613	632	97	1	90	7	2	1.064	20	0	0	10	0.5	1.0	3.0	Growth cracks, medium russetting, large blocky tuber type
AF6384-2	612	673	91	4	91	0	5	1.079	50	0	0	0	0.0	1.0	3.5	Large oblong to long, light russetting, traces of knobs
AF5736-16	607	642	95	4	95	0	1	1.093	30	0	0	0	0.5	1.0	4.0	Oblong to long, light russetting
AF6340-6	605	671	90	8	90	0	1	1.065	0	0	0	0	1.5	1.5	3.5	Oblong to long tubular, alligator hide, light russet
Silverton Russet	600	642	93	5	92	2	1	1.068	40	0	0	0	0.5	1.5	3.5	Light to medium russet, oblong to long block, growth cracks
Vanguard	592	624	95	2	95	0	3	1.063	0	0	0	0	0.0	1.0	3.5	Light russetting, growth cracks, oblong to long tuber type
MN19AOR16061-007	585	676	86	9	86	0	5	1.080	0	0	0	0	0.5	1.0	3.5	Oblong to long dark russetting, slight skinning
AAF15169-3	575	615	93	2	93	0	5	1.096	40	0	0	0	0.0	1.5	3.5	Large oblong to long blocky, light russetting
AF7001-5	561	622	90	5	90	0	5	1.080	20	0	0	0	0.5	1.0	3.5	Large oblong to long, light russetting, traces of pine cone eyes
AF6377-12	558	589	95	3	95	0	2	1.075	20	0	0	0	0.5	1.0	3.5	Blocky oblong to long large tuber type, dark russetting, traces of growth cracks
A08433-4Sto	556	592	94	3	94	0	3	1.079	20	0	0	0	0.5	1.0	4.0	Large oblong to long, light russetting
AOR152272-2	550	676	81	5	81	0	13	1.075	10	0	0	0	0.0	1.0	3.5	Oblong to long, light russetting, knobs, misshapes
AOR16066-5	547	583	94	4	94	0	2	1.069	0	0	0	0	0.0	1.0	3.0	Large oblong to long, light russetting
Reveille Russet	544	579	94	3	92	2	3	1.070	0	0	0	0	0.5	1.5	3.5	Large oblong to long, medium russetting
AF6855-4	542	571	95	4	95	0	1	1.089	40	0	0	0	0.5	1.0	3.5	Oblong to long dark, russet skin type, traces of skinning
Meister	531	662	80	12	80	0	8	1.089	0	0	0	0	1.0	2.0	3.5	Flat oblong to long, light skin type, bottlenecking, points
AFA5661-8	506	558	91	5	91	0	4	1.085	0	0	0	0	0.0	1.0	4.0	Light russetting, sticky stolons, oblong to long tuber type
AAF10596-1	496	572	87	10	87	0	4	1.085	10	0	0	0	1.0	1.0	3.5	Light to medium russetting, tubular to long tuber type, sticky stolons
AF6750-3	490	541	91	7	91	0	3	1.077	0	0	0	0	1.0	1.0	3.5	Oblong to long tubular, dark russetting
AF6314-12	488	548	89	7	89	0	4	1.083	40	0	10	0	0.5	1.0	3.5	Large oblong blocky, medium to heavy russetting
AF5762-8	448	495	90	7	90	0	3	1.090	30	0	0	0	0.5	1.0	3.5	Oblong to long, very large tuber type, medium russetting
PSS11357-21	410	462	89	10	86	2	2	1.084	0	0	0	0	0.0	1.0	4.0	Large oblong to long tubular tuber type, pointed, light to medium russet skin, knobs
W19039-3Rus	398	471	85	6	85	0	10	1.060	0	0	0	0	1.0	1.5	3.0	Light russet skin type, oblong to long tuber type, blocky, misshapen
AF6749-3	390	506	77	15	77	0	8	1.079	0	0	0	0	0.5	1.0	4.0	Oval to oblong tuber type, misshapen, growth cracks, knobs, medium russet skin
CO13003-1RU	354	418	85	7	85	0	8	1.072	20	0	0	0	0.5	1.0	3.0	Blocky oblong to long, medium russet skin, moderate skinning
CO16238-4RU	324	396	82	18	82	0	0	1.069	0	0	0	0	0.5	1.0	3.5	Medium russet, oblong to long, good general appearance, sticky stolons
CO15016-1Rusto	324	434	75	21	75	0	4	1.065	0	0	0	0	1.0	1.0	3.5	Dark russet skin, oblong to long, pointed, slight skinning, flat tuber type
AOR13064-2	323	413	78	16	78	0	6	1.080	10	0	0	0	0.5	1.0	3.5	Traces of black scurf, medium russet, oblong to long tuber type
AF6465-7	267	347	77	22	77	0	1	1.078	10	0	0	0	1.0	1.0	3.5	Light medium russetting, oblong to long tuber type, not uniform russetting
CO15070-4RU	105	268	39	55	39	0	6	1.063	0	0	0	0	1.0	1.0	3.5	Slender tubular tuber type, purple skin blemish, dark russetting
MEAN	508	573	87	8	87	1	4	1.077	15	0	0	0	0.5	1.1	3.5	

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: 06/19/2024
Rating 1-5
1: Slow emergence
5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 5/28/2024
Vine Kill Date 9/27/2024
Harvest Date 10/18/2024
Days (planting to vine kill) 122
Days (planting to harvest) 143
GDD₁₀ MAWN Station 3902
GDD₁₀ (planting to vine kill) 3559
Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 08/14/2024
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

Russet Variety Trial, Elmapple Farms LLC, Kalkaska County

Planting: 05/20/2024 Vine Kill: 9/10/24 Harvest: 10/02/2024

CGDD₅₀: 3264

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
AOR15227-2	617	707	87	7	64	24	6	1.102	10	0	0	0	2.0	1.0	3.0	Severe knobs, medium russetting, misshapen tubers, drop
Reville Russet	489	538	91	8	69	21	2	1.079	0	0	0	0	1.5	1.0	3.0	Slight skinning, large blocky tuber type, medium russetting
AF6384-2	471	518	91	8	67	24	1	1.098	20	0	0	0	1.0	1.0	2.5	Medium russetting, oblong to long blocky tuber type
AF7001-5	456	562	81	8	68	13	11	1.088	0	0	0	0	1.5	1.0	3.0	Misshapen, light russetting, large oblong to long tuber type
Russet Norkotah	449	537	84	11	69	14	5	1.076	10	0	0	0	2.5	1.5	2.5	Heavy russet skin, rough general appearance, oblong to long, misshapen tuber type
AF6377-10	449	476	94	5	67	28	0	1.078	0	0	0	0	0.5	1.0	3.0	Medium russetting, oblong to long tuber type, moderate skinning, blocky,
Silverton Russet	447	467	96	4	72	24	0	1.084	0	0	0	0	1.0	1.5	3.5	light to medium russetting, nice general appearance, blocky oblong to
W19039-3Rus	433	464	93	4	62	32	2	1.066	0	0	0	0	1.0	1.5	2.5	Light russetting, oblong to long, pine cone, blocky tuber type
ML-3	415	557	75	22	72	3	4	1.086	40	0	0	0	2.0	1.5	1.5	Oblong to long tuber type, pointed stem end, golden appearance, not uniform
AF6855-4	414	467	89	8	79	9	4	1.092	0	0	10	0	2.5	1.0	3.0	Medium to heavy russetting, traces of heat sprout, blocky tuber type
AOR15166-2	401	416	97	3	74	22	0	1.103	10	0	0	0	1.5	1.0	2.0	Medium russet skin, oblong to long tuber type, sticky stolons
W13008-1Rus	393	447	88	12	80	8	0	1.085	0	0	0	0	1.0	1.5	2.0	Medium to light russetting, oblong to long tuber type, nice general appearance
MN19AOR16061-007	374	457	82	18	78	4	0	1.086	0	0	0	0	0.5	1.5	3.0	Heavy russetting, oblong to oval, blocky tuber type
A08433-4STO	372	415	90	10	72	18	0	1.104	0	0	0	0	1.0	1.0	3.5	Oblong to blocky, sticky stolons, traces of knobs
AAF10596-1	368	441	83	14	76	8	3	1.098	0	0	0	0	2.0	1.5	2.5	Oblong to long tuber type, medium russetting, sticky stolons
A12305-2adg	356	456	78	13	68	10	9	1.094	10	0	0	0	2.0	1.0	3.0	Not uniform, medium russetting skin, knobs
COTX10080-2RU	351	395	89	11	77	12	0	1.079	10	0	0	0	1.5	1.0	3.5	Medium tuber rots, oblong to long tuber type, heavy russetting
AF6750-3	333	391	85	11	82	3	4	1.088	0	0	0	0	1.5	1.0	1.5	Oblong to long, medium to heavy russetting
A12327-5VR	320	362	88	7	57	32	5	1.088	0	0	0	0	1.0	1.0	3.5	Nice general appearance, heavy russetting, blocky to oblong, pine cone, traces of sticky stolons
AF6377-12	318	406	78	16	69	10	6	1.090	0	0	10	0	1.0	1.0	2.5	Heavy russet skin, medium growth cracks, oblong tuber type
AF5736-16	282	330	86	12	79	6	2	1.105	10	0	0	0	1.0	1.0	3.5	Medium russetting, smaller oblong to long, good general appearance
CO13003-1RU	280	361	78	20	73	5	2	1.085	10	0	0	0	1.0	1.0	2.0	Medium to heavy russetting, flat oblong to long tuber type, slight growth cracks
CO15016-1RUsto	279	432	65	31	64	1	5	1.079	10	0	0	0	2.0	1.5	2.5	Heavy russetting, oblong to oval, blocky tuber type, skinning
AF6465-7	265	375	71	28	65	5	1	1.085	0	0	0	0	2.0	1.0	3.0	Medium to heavy russetting, not uniform skin type, not uniform tuber type
AOR160716	257	295	87	9	66	21	3	1.089	0	0	0	0	2.5	1.5	2.5	Oblong to long tuber type, light skin appearance, drop
CO16238-4RU	251	360	70	29	68	2	1	1.086	0	0	0	0	1.0	1.0	1.5	Medium russetting, blocky to oblong
PSS11357-21	245	300	82	14	77	5	4	1.099	0	0	0	0	1.5	1.0	2.5	Medium russetting, oblong to long tuber type
MN19AOR17020-009	231	356	65	21	62	3	14	1.088	0	0	10	0	1.0	1.5	4.0	Misshapen, light to medium russetting, blocky tuber type
GoldRush	184	231	80	12	75	5	9	1.071	0	0	0	0	0.5	1.0	3.5	Slight skinning, variable russetting, pine cone eyes
CO15070-4RU	166	280	59	32	59	0	9	1.077	0	0	0	0	0.5	1.5	2.5	Knobs, tubular, heavy russetting skin
A13091-5	159	233	68	29	68	0	3	1.098	0	10	0	0	2.0	1.0	2.0	Smaller, oblong to long tuber type, medium russetting
MEAN	349	420	82	14	70	12	4	1.088	5	0	1	0	1.4	1.2	2.7	

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

⁵VINE VIGOR RATING

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

FIELD DATA

Planting Date 5/20/2024
Vine Kill Date 9/10/2024
Harvest Date 10/2/2024
Days (planting to vine kill) 113
Days (planting to harvest) 135
CGDD₅₀ MAWN Station 3264
CGDD₅₀ (planting to vine kill) 2763
Seed Spacing 10"

⁶VINE MATURITY RATING

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

Kalkaska

Russet Variety Trial, Horkey Brothers Farm, Monroe County

Planting: 5/21/2024 Vine Kill: 9/18/24 Harvest: 10/23/2024

CGDD₄₀: 4295

LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ³ (%)				COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS					BC
Russet Norkotah	578	665	87	3	86	1	10	1.073	2	2	0	0	0.5	1.5	3.0	Blocky oblong to long, medium to dark russetting, non uniform skin, misshapes
A08433-4STO	523	609	86	5	86	0	9	1.075	2	0	0	0	1.0	1.0	4.0	Flat oval to oblong, blocky, knobs in pick outs
AAF15169-3	501	625	80	4	80	0	16	1.073	1	0	0	0	2.0	1.5	2.5	Knobs, growth cracks, misshapen, oblong to long, light to medium russetting, DROP
AF5736-16	477	514	93	3	93	0	4	1.086	1	2	0	0	0.0	1.0	4.0	Flat oblong to long, medium russetting, moderate black scurf, misshapen pick outs, growth cracks
AOR15166-2	463	517	90	4	90	0	7	1.082	0	2	0	0	0.5	1.0	3.0	Sticky stolons, medium dark russet, oblong to long, misshapen pick outs
A12305-2adg	458	667	69	2	69	0	29	1.078	3	2	0	0	2.0	1.0	3.0	Oblong to long, knobby, misshapen, knobby, medium russetting, growth cracks
MI-3	446	546	82	15	82	0	3	1.069	0	1	0	0	2.0	1.5	2.5	Flat oval to oblong, very light russetting, non uniform, black scurf moderate
A12327-5VR	433	521	83	6	83	0	11	1.075	3	4	0	0	0.0	1.5	3.0	Growth cracks, large oblong to long, medium to heavy russetting
AFA5661-8	433	531	82	8	82	0	11	1.083	0	8	0	0	2.0	1.0	3.0	Block long to oblong, knobs, traces of points
AF6314-12	396	463	86	7	86	0	8	1.079	1	2	0	0	1.0	1.5	3.0	Flat oval to oblong, medium light russetting, poor general appearance, misshapen in pick outs
Reville Russet	395	495	80	7	80	0	13	1.064	0	0	0	0	0.0	1.0	3.5	Medium dark russetting, slight skinning, oblong blocky, knobs, misshapes in pick outs
AOR16118-1	388	455	85	4	85	0	10	1.076	4	0	0	0	1.0	1.5	3.0	Medium light russetting, blocky long tuber, growth cracks, deep apical eyes, misshapen
AAF10596-1	374	434	86	10	86	0	4	1.078	2	4	0	0	2.0	1.5	3.0	Knobs, oblong to long, medium to heavy russetting
AAFI6071-6	363	411	88	3	87	1	9	1.076	0	3	0	0	2.0	1.5	3.0	Long tubular, pointed, light russetting, misshapen
MN19AOR16061-007	346	426	81	12	81	0	7	1.069	0	0	0	0	0.5	1.5	3.0	Dark russet skin, oblong to oval, pointed, non uniform tuber, growth cracks, and scurf
AF6340-6	345	400	86	8	86	0	6	1.061	0	2	0	0	1.5	1.0	2.0	Long blocky tubers
AF6377-12	342	411	83	6	83	0	11	1.074	0	0	0	0	0.5	1.0	2.5	Flat blocky oblong to long, growth cracks, dark russetting, prominent eyes
AF5762-8	336	427	79	9	79	0	12	1.088	4	0	0	0	0.0	1.0	3.0	Flat oval to oblong, medium russetting, pine cone eyes, knobs, misshapes in pick outs
PSS11357-21	318	359	89	7	89	0	5	1.089	0	3	0	0	0.5	1.0	4.5	oblong to long, pointed, medium russet
CO13003-1Ru	309	450	69	20	69	0	11	1.070	0	1	1	0	0.0	1.0	2.5	Blocky long tubular, medium dark russet, moderate black scurf, OK general appearance, misshapen pick outs
AOR11908-2	302	460	66	7	66	0	27	1.068	0	2	0	0	0.0	1.5	2.5	Long tubular tuber type, heavy netted skin, points and knobs, pine cone eyes, prominent eyes
AOR16066-5	300	393	76	7	76	0	17	1.061	0	2	0	0	2.5	1.0	2.5	Long and tubular, medium russetting, DROP!
AOR13064-2	298	392	76	12	76	0	12	1.086	0	5	0	0	0.0	1.5	3.5	Slight black scurf, dark netted, oblong to long, pointed, non uniform
AF7001-5	288	388	74	11	74	0	14	1.083	3	0	0	0	1.0	1.0	3.0	Flat oblong to long, medium russet, points
COTX10080-2RU	283	347	82	5	82	0	13	1.065	0	0	0	0	0.5	1.0	4.0	oblong, pointed, growth cracks
AF6377-10	278	415	67	7	67	0	26	1.067	0	0	0	0	0.0	1.0	3.0	moderate to severe growth cracks, large blocky oblong to long, OK general appearance
CO15016-1RUSTO	270	409	66	24	66	0	10	1.069	5	1	0	0	0.0	1.0	3.0	Dark russetting, long and tubular, misshapen pick outs
Silverton Russet	263	340	77	10	77	0	13	1.066	0	0	0	0	0.0	1.5	3.5	oblong to long, light russetting, misshapen, points
AF6749-3	251	376	67	11	67	0	22	1.072	0	2	0	0	0.0	1.0	3.0	Blocky oval to oblong, medium russetting, poor general appearance, misshapen skin
CO16238-4RU	250	311	80	19	80	0	1	1.063	0	0	0	0	0.0	1.0	3.0	Medium russet, good general appearance, small tuber type, oblong, slight alligator skin
AF6465-7	243	344	71	22	71	0	7	1.070	1	2	0	1	0.0	1.0	2.0	Dark russetting, long and tubular, moderate skinning, misshapen pick outs
Vanguard	235	286	82	9	82	0	9	1.058	0	0	0	0	1.0	1.0	2.5	oblong, medium russetting, non uniform russetting, knobs, misshapes in pick outs
W19039-3Rus	230	288	80	10	80	0	10	1.057	0	1	0	0	2.0	1.5	2.0	Long tubular, DROP!
AOR15227-2	227	380	60	4	60	0	36	1.089	0	0	0	0	1.5	1.0	3.0	Flat oval to oblong, blocky, moderate skinning, knobs in pick outs
Meister	215	359	60	33	60	0	7	1.084	0	0	0	0	2.0	2.0	2.5	Flat oblong to long, pointed, misshapen, light russetting
AF6750-3	197	350	56	8	56	0	36	1.071	0	0	0	0	0.0	1.0	3.5	Prominent eyes, pine cone eyes, dark russet skin, points, blocky oblong to long, knobs
W13008-1Rus	155	212	73	16	73	0	11	1.068	0	3	0	0	1.0	1.0	3.0	Tubular, light russetting, pointed ends
CO15070-4RU	114	345	33	55	33	0	12	1.063	0	0	0	0	0.0	1.0	2.5	Long tubular type, pointed ends, dark russet skin, misshapen
MEAN	332	430	77	11	76	0	13	1.073	1	1	0	0	0.8	1.2	3.0	

SIZE

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

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

SPECIFIC GRAVITY

Total solids

RAW TUBER QUALITY

(percent of tubers out of 10)

HH: 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: 6/28/2024
Rating 1-5
1: Slow emergence
5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date: 5/21/2024
Vine Kill Date: 9/18/2024
Harvest Date: 10/23/2024
Days (planting to vine kill): 120
Days (planting to harvest): 155
CGDD₄₀ MAWN Station: 4295
CGDD₄₀ (planting to vine kill): 3601
Seed Spacing: 10"

VINE MATURITY RATING

Date: 8/15/2024
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: 5/31/2024 Vine Kill: 8/30/24 Harvest: 10/04/2024

CGDD₄₀: 3075

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				
Silverton Russet	763	867	87	6	88	0	6	1.072	50	10	0	0	0.0	2.5	2.5	Large long to oblong, alligator skin, black scurf, medium russetting
A12305-2adg	523	573	91	5	91	0	4	1.075	0	0	0	0	2.0	2.0	3.5	Oval long to oblong, large, black scurf, pine knobbing.
AF6749-3	518	615	84	14	84	0	2	1.085	30	20	10	0	0.0	2.5	2.5	Round oval blocky, medium russetting, pine coning eyes
A08433-4Sto	510	579	88	10	88	0	2	1.080	90	0	0	0	0.5	2.5	3.5	Oblong to long, blocky, light russetting
AF6855-4	509	568	90	9	90	0	1	1.087	40	0	0	0	2.5	2.5	3.5	Oblong to long, medium russetting, black scurf
MN19AOR16061-007	509	658	77	18	77	0	4	1.077	0	0	0	0	1.5	3.0	3.0	Long tubular, dark russetting, black scurf, points
AF6314-12	482	535	90	4	90	0	6	1.084	10	10	0	0	0.0	2.0	4.0	Large blocky tuber, round to oval, non uniform, black scurf, light russetting, growth cracks pine coning eyes
AF5736-16	463	553	84	16	84	0	1	1.075	10	30	0	0	0.5	2.0	3.0	Long to oblong, light russetting, black scurf, good general appearance
AF6750-3	451	523	86	10	86	0	4	1.062	0	0	0	0	0.0	1.5	4.0	Dark russetting, long to oblong, black scurf
AF7001-5	447	513	87	11	87	0	2	1.082	10	0	0	0	0.5	1.5	2.5	Light russetting, oblong to long, black scurf, pine cone eyes
AF6377-10	437	493	89	9	89	0	2	1.069	80	0	0	0	0.0	1.0	2.5	Long to oblong, blocky, dark russetting, black scurf
AF6384-2	434	536	81	18	81	0	1	1.084	0	10	0	0	0.5	2.5	3.0	Long to oblong, light russetting, Looks good!
AF6340-6	432	527	82	17	82	0	1	1.069	10	10	0	0	0.5	2.5	2.5	Tubular, light russetting, black scurf
AOR15227-2	428	492	87	12	87	0	1	1.091	20	30	0	0	1.0	2.0	3.0	Oblong to long, blocky, non uniform, pine cone eyes, rough appearance
COI3003-1RU	426	505	84	12	84	0	3	1.077	20	0	0	0	0.0	2.5	3.0	Long to oblong, dark russetting, black scurf
Vanguard	422	495	85	14	85	0	1	1.069	0	10	0	0	0.0	2.0	2.0	Long to oblong, light russetting
Russet Norkotah	401	472	85	12	85	0	3	1.072	60	20	0	0	1.5	2.0	2.5	Long to oblong, dark russetting, medium to heavy russetting
AFA5661-8	401	451	89	9	89	0	2	1.080	0	70	0	0	0.5	1.5	3.0	Long to oblong, light russetting, black scurf, pine cone eyes
MI-3	399	553	72	24	72	0	3	1.071	30	0	0	0	2.5	2.0	2.5	Golden yellow, long to oblong, misshapen, non uniform
AF5762-8	362	450	80	15	80	0	4	1.080	40	40	0	0	0.0	1.5	3.5	medium to heavy russet, large long to oblong, traces of pine cone eyes, black scurf
AOR15166-2	360	431	84	11	84	0	5	1.092	0	20	0	0	0.5	2.0	3.0	Oblong to long, medium russetting, nice appearance
Reveille Russet	356	438	81	10	81	0	8	1.077	0	0	0	0	0.0	1.5	3.0	Medium russetting, misshapen, long to oblong, non uniform, black scurf
AOR16118-1	328	426	77	18	77	0	5	1.084	90	0	0	0	0.5	2.0	2.5	Blocky, light russetting, pine coning, rough appearance, black scurf
COTX10080-2RU	310	421	74	25	74	0	2	1.066	0	0	0	0	0.5	2.0	3.5	Tubular, medium russetting, traces of alligator skin, black scurf
AAF15169-3	305	406	75	18	75	0	7	1.081	0	0	0	0	1.5	2.0	2.5	Long to oblong, light russetting, black scurf
AF6377-12	304	413	74	22	74	0	4	1.079	50	40	0	0	0.5	1.0	2.5	Long to oblong, black scurf, heavy russetting, growth cracks
AOR11908-2	298	422	71	19	71	0	10	1.069	40	10	0	10	0.0	1.5	3.0	Long to oblong, misshapen, black scurf, medium to heavy russetting, knobs
Goldrush	295	389	76	18	76	0	6	1.067	10	0	0	0	0.0	2.0	2.0	Tubular, black scurf, medium to heavy russetting
COI6238-4RU	292	391	75	24	75	0	1	1.070	20	0	0	0	0.5	1.0	2.5	Long to oblong, medium russetting, Nice!
A12327-5VR	287	331	87	13	87	0	0	1.075	10	20	0	0	0.0	2.0	2.5	Alligator skin, large and blocky, dark russetting, black scurf
AF6465-7	267	387	69	28	69	0	3	1.068	10	20	0	10	0.5	2.0	2.5	Long to oblong, tubular, medium to heavy russetting, black scurf
W19039-3Rus	241	300	80	19	80	0	1	1.088	0	20	0	0	1.0	2.0	1.5	Long to oblong, ok gen appearance
COI5016-1Rusto	240	384	63	28	63	0	10	1.071	50	0	0	0	0.0	2.5	2.5	Misshapen, oblong to long, knobs, heavy dark russetting, black scurf, pine coning
W13008-1Rus	238	296	81	19	81	0	0	1.068	10	0	0	0	0.0	2.5	3.5	Long to oblong, black scurf, rough alligator skin
Meister	229	425	54	42	54	0	4	1.096	0	10	0	0	2.5	3.5	2.5	Round oval, pear shaped, light skin appearance, black scurf, points
AAF10596-1	229	315	73	25	73	0	3	1.083	10	10	0	0	2.0	2.0	2.5	Long to oblong, light russetting, black scurf, pine cone eyes
A13091-5	205	281	73	20	73	0	7	1.081	10	10	0	0	0.0	1.0	3.5	Long to oblong, possible mix, light to medium russetting, black scurf
PSS11357-21	196	277	71	22	71	0	7	1.082	10	10	0	0	0.5	2.0	3.0	Tubular, long to oblong, black scurf, med russetting
A13072-7	178	213	83	13	83	0	4	1.073	70	10	10	0	0.0	1.5	3.0	Round oval to blocky, medium russetting, black scurf
COI5070-4RU	164	348	47	50	47	0	2	1.071	0	30	0	0	0.0	1.5	2.0	Tubular, dark russetting, tiny and slender
AOR13064-2	139	251	55	37	55	0	7	1.077	50	10	0	0	0.0	1.5	3.5	Oblong to long, points, medium russetting, black scurf
MEAN	360	451	79	18	79	0	4	1.077	23	12	0	0	0.6	2.0	2.8	

¹**SIZE**

Russets

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

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

²**SPECIFIC GRAVITY**

Total solids

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: 6/28/2024

Rating 1-5

1: Slow emergence
5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 5/31/2024
Vine Kill Date 8/30/2024
Harvest Date 10/4/2024
Days (planting to vine kill) 91
Days (planting to harvest) 126
CGDD₄₀ MAWN Station 3075 Kalkaska
CGDD₄₀ (planting to vine kill) 2349
Seed Spacing 10"

⁶**VINE MATURITY RATING**

Date: 8/15/2024

Rating 1-5

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

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

Planting: 5/15/2024 Vine Kill: 8/28/24 Harvest: 10/10/2024

CGDD₁₀: 4060

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				
A12327-5VR	681	746	91	4	90	1	5	1.083	0	0	0	0	0.0	1.5	3.0	Large blocky oval to oblong, medium to heavy russetting, growth cracks
AF6384-2	636	697	91	5	91	0	4	1.082	30	0	0	0	1.5	1.5	4.0	Pink eye disorder, light to medium russetting, blocky oval to oblong, OK general appearance
AF6340-6	635	713	89	8	89	0	3	1.072	10	0	0	0	0.5	2.0	3.0	Light to medium russetting, flat oval to oblong blocky, OK appearance
AAF15169-3	606	725	84	5	81	3	11	1.082	0	0	0	0	1.5	1.5	3.0	Light to medium russetting, rough general appearance, deep apical eyes, moderate skinning
Russet Norkotah	602	710	85	9	85	0	7	1.078	60	0	0	0	0.0	1.5	3.0	Medium russetting, general rough appearance, prominent eyes
AF6314-12	599	687	87	7	87	0	5	1.098	20	0	0	0	0.5	1.5	4.0	Medium russetting, blocky oblong tuber, non uniform tuber type
Campagna	595	679	88	8	88	0	4	1.068	30	0	0	0	0.0	1.5	4.0	Uniform medium russetting, flat oval to oblong, good gen appearance
A08433-4Sto	578	674	86	10	86	0	4	1.080	60	0	0	0	0.5	1.0	5.0	Large flat blocky oval to oblong, light medium russetting, non uniform tuber
Goldrush	562	669	84	5	82	1	11	1.073	50	0	0	0	0.0	1.5	3.0	Heavy russetting, moderate skinning, non uniform tuber type
MI-3	533	676	79	18	79	0	3	1.067	60	0	0	0	0.5	2.0	2.5	Light russet skin, flat long to oblong, good general appearance, light golden appearance
AF7001-5	519	592	88	6	88	0	6	1.092	10	0	0	0	0.5	1.0	4.5	Flat long to oblong, blocky, medium russetting, nice appearance
A12305-2adg	518	586	88	2	85	4	10	1.080	0	0	0	0	1.0	1.5	4.0	Variable tuber size, moderate skinning, medium russetting
AFA5661-8	514	571	90	4	90	0	6	1.091	0	0	0	0	1.5	1.0	4.0	Rough blocky tuber, medium to light russetting
Peribonka	509	588	87	6	85	2	7	1.085	30	0	0	0	0.5	1.5	2.5	Medium russetting, rough general appearance, non uniform
AAF10596-1	509	583	87	7	87	0	6	1.094	0	0	0	0	2.0	1.5	3.0	Oblong to long/tubular, medium russetting, moderate skinning, pointed
Reveille Russet	506	598	85	3	85	0	12	1.075	0	0	0	0	0.0	1.0	3.0	Large blocky oblong to long tuber, growth cracks, heavy russet skin, slight skinning
AF6749-3	505	602	84	12	84	0	4	1.090	20	0	0	0	0.5	1.5	4.0	Medium dark russet, flat long to oblong, prominent eyes, uniform type
Vanguard	496	577	86	13	86	0	1	1.076	0	0	0	0	0.0	1.5	2.0	Flat oblong to long, medium russetting, nice general appearance
AOR15227-2	488	534	91	5	91	0	3	1.077	10	0	0	0	1.0	2.0	4.0	Flat oval to oblong, medium russetting, uniform type, OK general appearance
AOR15166-2	488	543	90	6	89	1	4	1.079	0	0	0	0	0.5	2.0	3.5	Medium russetting, blocky oval to oblong
Silverton Russet	476	527	90	5	90	0	5	1.079	10	0	0	0	0.5	1.5	3.0	Medium russetting, blocky oblong to long, good general appearance
AAF15180-3	473	549	86	9	86	0	5	1.083	10	0	0	0	0.5	1.0	3.0	4.0 rating on powdery scab, long tubular tubers, light russet skin, pine cone eyes
MN19AOR16061-007	468	541	86	11	86	0	3	1.082	0	0	0	0	0.0	1.5	4.0	Heavy dark russetting, oval to oblong, good general appearance, OK gen appeara
AF5762-8	458	523	88	9	88	0	3	1.099	0	0	0	0	0.5	1.0	4.0	Flat oblong to long, non uniform russetting, medium russetting
AF6855-4	457	504	91	5	91	0	4	1.089	0	0	0	0	1.0	1.5	3.0	Nice blocky oblong tuber type, light medium russet, good general appearance, slight skinning
CO13003-1RU	442	541	82	14	82	0	4	1.062	20	0	0	0	0.0	1.5	3.0	Heavy russetting, flat oblong to long tuber, good general appearance
AOR11908-2	439	503	87	5	87	0	8	1.075	50	0	0	0	1.0	1.5	2.5	Medium to heavy russetting, non uniform tubers, long tubular tubers
AF6340-6	438	519	84	10	84	0	5	1.070	10	2	0	0	0.5	1.5	3.0	Non uniform tuber type, variable russetting
AF6377-10	436	462	94	4	94	0	2	1.084	20	0	0	0	0.0	1.0	4.0	Blocky flat long to oblong, medium russetting, good general and uniform appeara
AF6377-12	435	488	89	7	89	0	4	1.089	10	0	0	20	0.0	1.5	3.0	Blocky oblong tuber type, heavy russetting, traces of growth cracks, nice general appearance,
COTX10080-2Ru	407	485	84	13	84	0	3	1.073	10	0	0	0	0.5	1.5	4.0	Medium russetting, flat to oblong to long, some points and bottlenecking
W13008-1Rus	404	470	86	13	86	0	1	1.081	40	0	0	0	0.0	2.0	2.0	Flat oblong, light medium russetting, non uniform tuber type, traces of points
AF6750-3	383	439	87	7	87	0	6	1.082	0	0	0	0	0.0	1.0	3.0	Blocky oblong tuber type, medium heavy russetting, nice general appearance, light skinning
AF6465-7	377	476	79	14	79	0	6	1.087	20	0	0	0	0.0	1.0	3.0	Medium heavy russetting, blocky oblong, OK general appearance,
AF5736-16	374	464	81	12	81	0	7	1.100	10	0	0	0	1.0	1.0	5.0	Flat oblong to long, rough general appearance
Meister	358	549	65	30	65	0	5	1.069	0	0	0	0	1.5	2.0	3.0	Flat long tubular, slight russetting, non uniform, pointed tubers
W19039-3Rus	356	409	87	3	87	0	10	1.069	0	0	0	0	0.0	1.0	2.0	Very large rough blocky oblong tuber, moderate stem end rot
CO15016-1Rusto	337	486	70	25	70	0	5	1.081	20	0	0	0	0.0	1.0	2.5	Oblong to long, heavy russetting, slight skinning, good general appearance
CO16238-4RU	315	392	80	18	80	0	2	1.079	0	0	0	0	0.0	1.0	3.0	Medium russetting, oval to oblong tuber, OK
AOR13064-2	299	386	77	12	77	0	10	1.077	30	0	0	0	0.5	1.5	3.5	Non uniform, medium russetting, pink to purplish blush to skin, rough general appearance, pointed, DROP

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				
CO15070-4RU	289	411	70	23	70	0	6	1.079	0	0	0	0	0.0	1.0	3.0	Dark russet skin, long tubular tuber, uniform but very tubular
PSS11357-21	287	370	78	11	78	0	11	1.084	0	0	0	0	0.0	1.5	5.0	Medium dark russet, not uniform, medium long to pointy, rough appearance
MEAN	471	553	85	10	85	0	6	1.081	15	0	0	0	0.5	1.4	3.3	

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: 6/14/2024

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 5/15/2024

Vine Kill Date 8/28/2024

Harvest Date 10/10/2024

Days (planting to vine kill) 105

Days (planting to harvest) 148

CGDD₄₀ MAWN Station 4060 Kewadin

CGDD₄₀ (planting to vine kill) 2975

Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 8/17/2024

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

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

Planting: 4/25/2024 Vine Kill: 8/28/24 Harvest: 9/27/2024

CGDD₁₀: 4452

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				
A12327-5VR	681	794	86	7	86	0	8	1.078	20	0	20	0	0.0	3.5	3.0	Heavy dark russetting, rough tuber appearance
A08433-4STO	637	734	87	9	87	0	4	1.087	0	0	0	0	1.0	3.5	3.0	Blocky, oblong to long, misshapen appearance, knobs, moderate 2.0 rating for silver scurf
AOR15166-2	602	638	94	3	94	0	0	1.097	0	0	0	0	1.0	3.5	3.0	Blocky oblong to long, medium russetting
Silverton Russet	601	683	88	9	88	0	3	1.083	0	0	40	0	0.5	4.0	3.0	Medium russetting, blocky oblong to long
AF5736-16	559	608	92	5	92	0	3	1.091	10	0	10	0	1.0	2.5	3.0	Medium russetting, large flat blocky oblong to long, good general appearance
AOR15227-2	557	652	86	9	86	0	5	1.103	20	0	0	0	1.5	4.0	3.0	Knobby, misshapen appearance, not uniform, ugly
AF6384-2	551	620	89	10	89	0	1	1.082	0	0	0	0	1.5	4.0	3.0	Light to medium russetting, oblong to long, poor general appearance, trace of rots
AF5762-8	504	584	86	9	86	0	4	1.076	10	0	20	0	0.5	3.0	3.0	Medium dark russetting, flat blocky, oval oblong, traces of misshapen, good general appearance
ML-3	493	636	77	19	77	0	4	1.078	0	0	0	0	2.0	3.5	2.5	Flat oval oblong, light russetting, points, knobs, golden appearance
AF6314-12	491	594	83	13	83	0	4	1.082	10	0	40	0	1.5	3.0	3.0	Severe silver scurf, moderate tuber rot, moderate general appearance
AF6377-12	490	557	88	12	88	0	1	1.081	30	0	10	0	1.0	2.5	3.0	Blocky oblong, medium russetting, traces of growth cracks
A12305-2adg	482	556	87	5	87	0	8	1.076	10	0	0	0	1.0	3.5	3.0	Oduor and severe rots, skinning, not uniform, misshapen pick outs
AOR16066-5	449	583	77	19	77	0	4	1.075	0	0	0	0	2.0	2.5	2.5	Oblong to long, tubular, medium russetting, not uniform
AF6750-3	445	565	79	10	79	0	11	1.076	0	0	0	0	0.0	3.0	3.0	Heavy netted skin, misshapen appearance, prominent eyes, dark russetting
AF6855-4	438	529	83	14	83	0	3	1.085	20	10	0	0	0.5	3.0	3.0	Medium dark russetting, flat oval oblong, ok general appearance
Reveille Russet	436	492	89	7	89	0	4	1.073	0	0	0	0	0.5	3.0	1.5	Dark russet skin, misshapen tubers, blocky oval oblong
A13091-5	435	515	85	12	85	0	3	1.080	0	0	0	0	1.0	4.0	2.5	Medium dark russet, not uniform tuber shape, pink eyes
AF6377-10	390	437	89	10	89	0	1	1.074	20	0	0	0	0.0	2.5	1.5	Medium to heavy netted skin, oval to long, blocky, good general appearance
OR18002-2.B	381	467	82	14	82	0	5	1.081	0	0	0	0	0.0	3.0	3.0	Flat oblong to long, medium dark russetting, rough general appearance
A13072-7	380	466	81	7	81	0	12	1.076	40	0	0	0	1.5	3.5	3.0	Medium russetting, not uniform, blocky oblong, misshapen tubers
AOR13064-2	369	496	74	19	74	0	7	1.094	30	0	20	0	1.5	4.5	3.0	Med russetting, blocky oblong, ok general appearance
AF7001-5	352	461	76	21	76	0	3	1.084	20	0	0	0	1.0	2.5	2.5	Blocky, oval oblong, light to medium russetting, not uniform
COTX10080-2Ru	340	449	76	22	76	0	2	1.073	0	0	0	0	0.5	3.0	3.0	Medium russetting, oblong to long
W19037-11Rus	337	511	66	32	66	0	2	1.072	0	0	0	0	1.5	3.5	1.5	Medium light russetting, flat oblong long, not uniform
AAF10596-1	330	434	76	21	76	0	3	1.086	0	0	30	0	1.0	3.0	2.5	Severe silver scurf, oblong, medium russetting, marginal appearance
AF6749-3	326	484	67	30	67	0	3	1.086	10	0	0	0	1.0	3.0	2.5	Medium russetting, oblong, slightly misshapen
AOR11908-2	326	430	76	18	76	0	6	1.070	10	20	0	0	0.5	3.5	2.5	Nice dark russet skin, oblong to long, tubular
AAF15169-3	325	428	76	23	76	0	1	1.089	0	0	0	0	1.5	4.5	3.0	slight rots, not uniform skin, severe silver scurf
AOR16118-1	323	424	76	24	76	0	0	1.092	10	10	0	0	1.0	3.0	2.5	Light russetting, severe silver scurf, oval to oblong
PSS11357-21	322	402	80	16	80	0	4	1.082	0	0	0	0	1.0	3.5	3.0	Blocky long tubular tubers, heavy russetting, not uniform
AF6340-6	322	469	69	30	69	0	1	1.069	0	20	0	0	0.5	3.0	1.5	Medium russetting, oval oblong, severe silver scurf
W19039-6Rus	319	430	74	21	74	0	5	1.077	0	0	0	0	0.5	3.0	2.5	Oblong to long, medium russetting, misshapen
CO13003-1RU	308	484	64	31	64	0	5	1.083	0	0	0	0	0.5	3.5	3.0	Medium russet skin, ok general appearance, misshapen tubers
W13008-1Rus	307	454	67	26	67	0	6	1.093	0	0	0	0	1.0	3.5	2.5	Long tuber type, very tubular, misshapen, pointed ends
MN19AOR16061-007	307	461	66	33	66	0	1	1.080	10	0	10	0	1.0	3.0	2.0	Dark russet skin, oval oblong, uniform
Russet Norkotah	301	438	69	25	69	0	6	1.069	10	20	0	0	0.5	3.5	2.5	Moderate pink eyes, misshapen tubers
Umatilla Russet	284	507	56	35	56	0	9	1.076	20	0	10	10	1.0	3.0	2.5	Medium russet, long tubular, rough gen appearance
AF6465-7	273	378	72	25	72	0	3	1.077	10	0	20	0	0.0	3.0	1.5	Dark russet, large uniform tubers
CO15016-1Rusto	266	451	59	37	59	0	4	1.075	30	0	10	0	0.5	3.0	2.5	Nice bright medium russet, flat oval oblong, knobby
Vanguard	265	424	63	28	63	0	9	1.079	10	0	0	0	0.5	3.0	2.0	Small, flat oblong, medium dark russet, misshapen
W19039-3Rus	227	327	69	28	69	0	3	1.069	0	0	0	0	1.5	3.0	3.0	Flat oval oblong, medium russetting
Meister	213	511	42	54	42	0	4	1.076	0	0	0	0	1.0	4.0	2.5	Light russetting skin, flat oval to oblong, pointed ends
AFAS661-8	198	242	82	14	82	0	4	1.078	0	10	0	0	1.5	3.0	3.0	light medium russetting, not uniform tubers
CO16238-4RU	96	291	33	65	33	0	2	1.086	0	0	0	0	0.5	2.5	3.0	Medium russetting, small and knobby not uniform tuber type
Russet Burbank	69	299	23	70	23	0	7	1.074	0	0	0	0	1.0	3.5	2.5	Small, tubular, not uniform, knobby
CO15070-4RU	46	236	19	76	19	0	4	1.068	0	0	0	0	0.0	4.5	3.0	Small oblong to long, uniform medium russetting, moderate knobs
MEAN	373	492	73	22	73	0	4	1.080	8	2	5	0	0.9	3.3	2.6	

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: 6/3/2024

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date

4/25/2024

Vine Kill Date

8/28/2024

Harvest Date

9/27/2024

Days (planting to vine kill)

125

Days (planting to harvest)

155

CGDD₄₀ MAWN Station

4452

Constantine

CGDD₄₀ (planting to vine kill)

3618

Seed Spacing

10"

⁶VINE MATURITY RATING

Date: 8/9/2024

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

Russet Variety Trial, Styma Potato Farm, Presque Isle County

Planting: 5/30/2024 Vine Kill: 9/4/24 Harvest: 10/09/2024

CGDD₁₀: 3325

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				
Russet Norkotah	447	514	87	10	87	0	3	1.086	2	0	0	0	0.5	1.5	4.0	Dark russet skin tuber type, oblong to long tubers
A12305-2adg	420	464	90	5	90	0	4	1.095	0	4	0	0	1.5	2.0	4.0	Rough, oblong to long tuber type, knobs, sticky stolons
A08433-4Sto	349	416	84	15	84	0	2	1.100	0	0	0	0	0.5	1.5	4.5	Blocky oval to oblong, medium russetting
Meister	337	484	70	27	70	0	3	1.105	0	0	0	0	3.0	2.5	4.0	Light skin type, oblong to long tubular, not uniform tuber type, pointed and misshapen
CO13003-1RU	333	406	82	12	82	0	6	1.084	1	0	0	1	1.0	1.5	3.5	Medium dark russetting, oblong to long tuber type, alligator skin
AOR11908-2	313	374	84	11	84	0	6	1.086	3	2	0	0	0.5	2.0	2.5	Oblong to long, medium to heavy russetting, traces of misshapen, tubular
A12327-5VR	311	361	86	8	86	0	5	1.090	0	0	0	0	0.5	2.0	4.0	Long flat round oval tuber, heavy russetting
AFA5661-8	307	347	88	10	88	0	1	1.098	0	3	0	0	0.5	1.5	3.5	Oblong tuber type, light russetting, nice general appearance
A13072-7	298	336	89	10	89	0	1	1.094	3	5	0	0	0.5	2.0	3.0	Medium dark russetting, oval to oblong tuber type, uniform good appearance
TX20076-1RU	293	368	80	17	80	0	3	1.082	1	2	0	0	0.5	1.5	4.0	Blocky oblong tuber type, nice general appearance, medium russet skin
AOR16066-5	287	391	73	22	73	0	5	1.089	0	0	0	0	1.0	1.5	2.5	Long to oblong, medium russet skin
Silverton Russet	279	322	87	9	87	0	4	1.089	0	0	0	0	0.0	2.0	4.0	Nice general appearance, oblong to long, medium Russetting
Campagna	279	368	76	20	76	0	4	1.088	3	0	0	1	1.0	1.5	3.5	Medium russetting, large oblong to long tuber type, pine cone eyes
AF6340-6	277	359	77	23	77	0	0	1.077	1	0	0	0	1.5	2.0	3.5	Oblong to long tuber type, medium russetting, tubular
Reveille Russet	277	329	84	13	84	0	3	1.084	0	0	0	0	0.0	1.0	3.0	Alligator skin, growth cracks, medium dark russetting
AF6749-3	274	368	74	24	74	0	1	1.099	0	0	0	0	0.5	1.5	2.0	Medium russet skin, blocky oval to oblong
Peribonka	270	336	80	15	80	0	5	1.091	3	0	0	0	0.5	2.0	2.5	Large long tuber, medium russetting
AF6314-12	265	317	84	7	84	0	10	1.092	3	0	2	1	2.0	1.5	4.5	Large blocky oblong to long tuber type, misshapen tubers
AF6377-10	264	307	86	14	86	0	0	1.093	1	2	0	0	0.5	1.0	3.5	Medium tuber type, oblong to long med to heavy russetting
Vanguard	256	343	75	23	75	0	2	1.076	0	0	0	0	0.5	1.5	1.5	Medium russetting, oblong tuber type
W13008-1Rus	251	327	77	21	77	0	2	1.094	0	3	0	0	1.5	2.0	4.0	Medium russet skin, oblong to long tubular tuber type
AAF10596-1	247	334	74	25	74	0	1	1.107	1	0	0	0	2.0	2.0	2.0	Oblong to long, medium to dark russetting
MI-3	237	333	71	25	71	0	4	1.090	0	0	0	0	1.0	1.5	3.5	Oblong to long pointed, light russetting.
AF6377-12	236	329	72	26	72	0	2	1.093	0	0	0	0	1.0	1.5	3.0	Dark russet skin tuber type, oblong to long tuber type, blocky tuber type, skin cracking
AAF15180-3	231	347	66	31	66	0	3	1.100	0	2	0	0	1.5	1.5	4.5	Oblong to long tuber type, light russet skin tuber type
AOR16118-1	230	323	71	27	71	0	2	1.110	1	3	0	0	1.0	1.5	3.5	Medium russetting, oblong tuber type
A13091-5	230	281	82	18	82	0	0	1.097	1	0	0	0	0.5	1.5	2.0	Uniform oblong to long, medium to heavy russetting, pine cone eyes
AOR15166-2	228	330	69	30	69	0	1	1.106	0	3	0	0	0.5	2.0	3.5	Oblong to long tuber type, sticky stolons, uniform tuber type, uniform medium dark russetting
AF5736-16	223	300	74	25	74	0	1	1.106	0	0	0	0	0.5	1.5	2.5	Medium russetting, good general appearance, oval to oblong tuber type
AF6384-2	213	322	66	32	66	0	2	1.096	0	4	0	0	1.0	1.5	3.5	Oblong to long tuber type, medium russetting
W19039-3Rus	213	268	79	20	79	0	1	1.083	0	0	0	0	1.5	2.0	1.5	Light russetting skin, oblong to long tuber type, traces of rots
AOR15227-2	208	292	71	25	71	0	4	1.109	0	2	0	0	2.0	2.0	4.0	Oval to oblong sticky stolons, medium russetting
AF6750-3	203	265	76	22	76	0	1	1.096	0	0	0	0	0.0	1.5	3.5	Smaller oblong to long tuber type, tubular, medium dark russetting
GoldRush	197	296	67	28	67	0	5	1.089	0	0	0	0	0.0	2.0	2.5	Blocky oval to oblong, good general appearance, dark russetting
CO15070-4RU	194	280	69	27	69	0	4	1.112	1	3	0	0	0.5	1.5	2.5	Oblong to long, medium russetting, ok general appearance
OR18002-2	169	312	54	38	54	0	8	1.093	0	0	0	0	0.5	1.5	2.0	Oblong to long tuber type, misshapen, medium russetting
AF7001-5	160	291	55	42	55	0	3	1.100	0	0	0	0	1.0	1.5	2.0	Smaller oblong to long tuber type, medium russet skin
CO15016-1Rusto	154	256	60	34	60	0	6	1.088	2	0	0	0	0.0	1.5	2.5	Nice uniform smaller tubular tuber type, great appearance
AAF15169-3	143	246	58	39	58	0	3	1.096	0	3	0	0	1.0	2.0	2.5	Oval to oblong, blocky medium russetting, not uniform tuber type
PSS11357-21	140	199	70	28	70	0	1	1.088	0	0	0	0	0.0	1.5	4.5	Medium dark russetting, oblong to long tuber type
CO16238-4RU	106	186	57	42	57	0	1	1.095	0	0	0	0	0.0	1.0	2.5	Smaller, oblong to long tuber type, tubular, medium russetting
AF6465-7	94	205	46	49	46	0	6	1.095	0	0	0	0	0.0	2.0	2.5	Rough oblong to long tuber type, deeper eyes
AF6855-4	81	191	42	55	42	0	2	1.097	0	0	0	0	0.5	1.5	2.5	Smaller oblong to long tuber type, medium russet skin
AOR13064-2	70	193	36	61	36	0	2	1.102	0	2	0	0	1.0	1.5	4.5	Smaller oblong to long, medium russetting
AF5762-8	55	131	42	44	42	0	14	1.092	0	2	0	0	0.0	1.5	4.0	Long tubular tuber type, knobs, medium dark russet skin
COTX10080-2RU	36	66	54	44	54	0	1	1.088	0	0	0	0	0.0	1.0	1.0	Medium dark russet skin
COTX17304-1RU	23	230	10	89	10	0	2	1.098	0	0	0	0	1.5	1.0	2.0	Smaller oblong to long tuber type, medium russet skin
MN19AOR16061-007	5	27	18	75	18	0	7	1.089	0	6	1	0	0.0	2.0	4.0	Round oval perhaps poor stand emergence in field?
MEAN	223	306	69	27	69	0	3	1.094	1	1	0	0	0.8	1.6	3.1	

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: 6/28/2024

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 5/30/2024

Vine Kill Date 9/4/2024

Harvest Date 10/9/2024

Days (planting to vine kill) 97

Days (planting to harvest) 132

CGDD₄₀ MAWN Station 3325 Hawks

CGDD₄₀ (planting to vine kill) 2599

Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 8/26/2024

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

Russet Variety Trials, Verbrigghe Potato Farms, Delta County

Planting date: 6/12/2024 Vine kill: 9/20/2024 Harvest date: 10/10/2024

CGDD₄₀: 2894

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR ²	RAW TUBER QUALITY ³ (%)				COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶
	US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC			
A08433-4STO	345	433	80	13	58	21	8	1.085	0	10	20	0	0	5	5.0
AF5736-16	319	371	86	8	53	33	6	1.086	0	10	0	0	0	3	5.0
Reveille Russet	234	309	76	15	66	10	9	1.055	0	0	0	0	0	3	4.0
GoldRush	228	300	76	18	66	10	7	1.057	0	0	0	0	0	5	4.0
PSS11357-21	217	301	72	19	61	11	9	1.074	0	10	0	0	0	4	5.0
MI-3	213	283	75	14	61	14	10	1.080	0	0	0	0	1	5	4.0
Silverton Russet	200	236	85	11	54	31	4	1.080	0	0	10	0	0	5	4.0
Russet Norkotah	181	252	72	20	68	4	9	NA	0	20	0	0	1	5	3.5
AF5762-8	172	209	82	9	62	21	8	1.097	0	20	10	0	0	4	4.5
A12327-5VR	148	218	68	24	58	10	8	1.063	0	0	0	0	0	5	5.0
Vanguard	141	223	63	33	56	7	4	1.053	0	10	30	0	1	4	4.5
AF6377-12	126	225	56	35	51	5	9	1.062	0	0	0	0	0	5	3.5
W13008-1Rus	118	210	56	36	56	0	8	1.060	0	10	30	10	1	4	4.5
AF7001-5	87	158	55	29	55	0	17	1.089	0	0	10	0	0	4.0	4.5
MEAN	195	266	72	20	59	13	8	1.074	0	6	8	1	0	4.4	4.4

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

FIELD DATA

Planting Date 6/12/2024

Vine Kill Date 9/20/2024

Harvest Date 10/10/2024

Days (planting to vine kill) 100

Days (planting to harvest) 120

GDD₄₀ MAWN Station 2894 Escanaba

GDD₄₀ (planting to vine kill) 2490

Seed Spacing 12"

⁵VINE VIGOR RATING

Date: 7/9/2024

Rating 1-5

1: Slow emergence

5: Early emergence

⁶VINE MATURITY RATING

Date: 8/27/2024

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

NFPT Russet Variety Trial, Walther Farms, Cass County

Planting: 04/26/2024 Vine Kill: 8/26/24 Harvest: 9/12/2024

CGDD₁₀: 4009

LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ³ (%)				COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS					BC
MN19AF6945-003	774	855	91	5	48	42	5	1.071	0	0	10	0	2.5	3.5	3.0	Round to oval tuber type, knobs and heat sprouts, soft rot, light russet
AOR16066-5	634	757	84	7	71	12	10	1.068	0	0	20	0	2.5	3.0	3.0	Blocky tuber type, knobs, misshapen, DROP
A16051-3	625	774	81	11	63	18	9	1.071	10	0	0	0	2.0	3.5	3.0	Severe rots, bottlenecking, slight growth cracks, heat sprouts, not uniform tuber type, DROP
A15254-5	587	730	80	9	73	7	11	1.076	0	0	50	0	1.0	2.5	3.0	Bottlenecking, long tuber type, misshapen, DROP
A18243-1	583	735	79	12	75	4	9	1.073	0	0	0	0	2.0	4.0	3.0	Medium russet skin, smaller oval to oblong, bottlenecking, heat sprouting
ML-3	574	775	74	17	70	4	9	1.072	0	0	20	0	2.5	3.0	3.0	Oval to oblong, golden appearance, pointed ends
A18084-1sto	559	710	79	11	12	67	10	1.075	0	0	0	0	2.5	3.5	3.0	Misshapen tubers, smaller size tuber profile, not uniform tuber type, medium russet skin
A18077-11TE	530	762	70	12	64	6	18	1.087	0	0	0	0	0.5	4.0	4.0	Heavy russetting, traces of misshapes, bottlenecking, slight points, would test again
COA17105-1	530	714	74	4	64	10	21	1.075	0	0	0	0	2.0	3.5	3.0	Light russet skin, elongated tubers, misshapen tubers, DROP
A15094-13	526	727	72	12	70	2	16	1.073	20	0	0	0	2.5	3.0	3.0	Light russet skin, misshapen tubers, bottlenecking, heat sprouting, DROP
A15077-9TE	519	581	89	5	48	41	6	1.086	30	0	0	0	0.0	3.0	3.0	Large blocky tuber type, slight growth cracks, sticky stolons, interesting selection see again
Russet Norkotah	518	671	77	11	62	15	12	1.075	0	20	0	0	1.0	3.5	3.0	Heavy russet skin, pointed ends
A18224-2	516	584	88	8	50	38	4	1.083	0	40	10	0	2.5	4.0	3.0	Blocky oblong, light russet skin type
OR18H019-2	507	702	72	11	56	16	17	1.084	10	20	0	0	2.0	3.0	3.5	Secondary growth, knobs and misshapen, growth cracks, medium russetting, heat sprouts, DROP
A18035-13	507	708	72	15	64	7	13	1.079	0	20	0	0	1.0	3.0	3.0	Medium russet tuber type, heat sprouts, misshapen tubers, slight knobs, variable tuber type
A18476-3adg	465	533	87	9	80	7	4	1.076	0	10	0	0	0.0	2.5	3.0	Light russet skin, good general appearance, test again
A13091-5	464	521	89	10	85	4	1	1.078	10	0	0	0	0.5	3.0	4.0	Not uniform skin type, traces of knobs
A18215-3	457	851	54	14	51	3	33	1.080	0	0	0	0	0.5	3.5	3.0	Bottlenecking, long tuber type, DROP
A18503-2sto	457	573	80	6	58	22	15	1.090	0	0	0	0	1.0	3.0	3.5	misshapen bottlenecking, medium heavy russetting, growth cracks
MN18W17091-015	450	684	66	6	41	25	28	1.070	0	10	0	0	2.0	3.5	3.0	Long tubular pointed ends, misshapen tubers, apical growth cracks, DROP
AOR11908-2	437	531	82	11	78	5	7	1.063	10	0	0	0	0.5	3.5	3.0	Heavy russet skin type, oblong to long tubers, pointed tubers
A15175-1	427	602	71	19	68	3	10	1.078	0	0	0	0	1.5	3.0	3.0	Light russet skin, tubular tuber type, not uniform
CO16238-4Ru	419	522	80	16	77	3	4	1.072	0	10	30	0	0.5	3.5	3.0	Non uniform tuber type, medium to heavy russet skin, acceptable tuber type
MN19TX18206-002	398	636	63	35	61	1	2	1.079	0	20	0	0	3.0	2.5	4.0	Round to oblong, golden appearance, 90 percent heat sprouts, misshapen tubers, small tuber type, DROP
AOR16118-1	395	524	75	16	67	8	9	1.087	80	10	0	0	0.5	3.0	3.0	Blocky oblong to long tuber type, traces of heat sprouts
A15084-4	387	489	79	11	72	7	10	1.083	10	0	30	10	2.5	3.0	3.0	Knobs, misshapen, medium russet skin type, traces of growth cracks
AOR18053-7	385	513	75	17	74	1	8	1.082	0	0	0	0	1.5	3.0	3.0	Sticky stolons, tubular tuber type, medium russet, DROP
A18057-2TE	365	501	73	18	73	0	9	1.076	0	0	0	0	2.0	3.0	3.0	Smaller tuber type, oblong to long, light russet, slight growth cracks
AOR15152-2	359	519	69	10	60	9	21	1.086	30	10	0	0	2.0	2.5	3.0	Bottlenecking, medium russetting, misshapen tubers, tubular tuber type
A15028-2TE	358	462	78	11	76	2	12	1.074	0	0	0	0	1.0	2.5	4.0	Medium russetting, oblong to long, ok shape, traces of knobs
MN18W17091-005	352	548	64	7	43	22	28	1.071	10	0	0	0	1.5	3.0	3.0	Misshapen, tubular, light to medium russet skin, pointed ends, DROP
T 08	349	497	70	17	69	1	13	1.071	0	0	0	0	2.0	3.0	3.0	Smaller oblong to long, misshapen, slight growth cracks, medium buff skin type
AOR16071-6	344	570	60	24	52	8	15	1.073	0	0	20	0	2.5	3.5	3.0	Misshapen tuber type, pointed, tubular, DROP
MN18W17076-001	335	409	82	13	75	7	5	1.078	0	0	0	0	0.0	2.5	3.0	Dark russet skin type, not uniform skin and tuber type
A15102-11	326	511	64	26	64	0	10	1.081	0	0	20	0	2.5	3.5	3.0	Oblong to long tuber type, misshapen, light russetting, DROP
AOR18511-1	323	408	79	10	68	11	11	1.087	50	0	0	0	1.0	2.5	3.0	Heat sprouts, oblong blocky, knobs, light to medium russet
A11887-5adg	314	499	63	12	53	10	25	1.068	0	0	20	0	1.5	2.5	3.0	Misshapen tuber type, long tuber type, DROP
AOR15194-2	296	441	67	15	63	4	18	1.076	0	0	10	0	2.0	3.0	3.0	Oblong to long tuber type, misshapen
OR18002-2	286	312	92	3	72	20	5	1.076	0	0	0	0	0.5	3.0	3.0	Large blocky tuber type, not uniform skin type
T 05	265	485	55	31	52	2	0	1.066	0	30	0	0	3.5	2.5	3.0	Bright smooth skin, bottlenecking, misshapen tubers, DROP

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				
AFA6346-2	259	609	43	14	43	0	44	1.079	0	0	0	0	2.5	3.0	3.0	Missshapen, knobs bottlenecking, DROP
A16018-4TE	227	464	49	6	37	12	45	1.079	0	0	30	0	0.5	2.0	3.0	Not uniform tuber type, misshapen tuber type, DROP
MN18CO16154-009	227	348	65	27	64	1	8	1.086	0	0	40	0	1.0	3.5	3.0	Oval to oblong, golden appearance, heat sprouting
PSS11357-21	223	311	72	15	67	5	13	1.076	0	0	0	0	0.0	3.0	4.0	Poor tuber shape, dark russet, not uniform tuber type, bottlenecking
MN19AOR16059-001	219	325	67	11	55	13	22	1.076	0	0	20	0	0.5	3.0	2.0	Not uniform russetting, knobs, points
A18085-9	217	419	52	27	52	0	21	1.071	0	0	0	0	0.5	3.0	3.0	Light russet skin, tubular, pointed ends, knobs
T 01	195	492	40	45	40	0	16	1.075	0	0	0	0	2.5	3.0	3.0	Tubular, bottlenecks, points, heat sprouts, DROP
A13072-7	194	248	78	15	77	1	6	1.090	30	0	0	0	1.0	2.5	3.0	Blocky oblong, heavy russet skin
CO15070-4Ru	176	316	56	38	56	0	6	1.059	0	0	0	0	0.0	4.5	3.0	Nice dark skin type, smaller tuber type, good general appearance
A18682-8sto	175	219	80	12	73	7	8	1.086	10	0	0	0	1.5	3.0	2.5	Not uniform, medium russet skin type
A17053-1ZC	174	226	77	10	51	26	13	1.087	10	10	30	0	1.0	3.0	3.0	Slight knobs, medium russet skin type, slight heat sprouts, bottlenecking
MN19CO17074-003	161	202	80	18	71	8	3	1.074	0	0	0	0	1.5	3.5	2.0	Round white to oval uniform, bright appearance
MEAN	391	540	72	14	62	11	13	1.077	6	4	7	0	1.4	3.1	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: 6/03/2024
Rating 1-5
1: Slow emergence
5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 4/26/2024
Vine Kill Date 8/26/2024
Harvest Date 9/12/2024
Days (planting to vine kill) 122
Days (planting to harvest) 139
CGDD₅₀ MAWN Station 4009 Constantine
CGDD₅₀ (planting to vine kill) 3533
Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 8/09/2024
Rating 1-5
1: Early (vines completely dead)
5: Late (vigorous vines, some flowering)

Replicated Russet Variety Trial, Walther Farms, Cass County

Planting: 04/26/2024 Vine Kill: 8/26/24 Harvest: 9/12/2024

CGDD₁₀: 4009

LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ³ (%)				COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS					BC
AF6384-2	676	732	92	7	60	33	1	1.076	13	3	3	0	1.7	3.5	3.2	Sticky stolons, traces of points, light skin
ML-3	648	838	77	20	75	2	3	1.074	0	3	0	3	2.8	3.7	3.0	Yellow skin, variable shape, oval to oblong, misshapen
Campagna	646	789	82	16	78	3	2	1.078	0	7	3	0	0.5	3.5	2.8	Knobs, misshapen, light skin, alligator skin, oblong, some nice skin and shaped t
Russet Norkotah	644	714	91	5	65	25	5	1.073	0	0	13	0	0.7	3.5	3.0	Nice dark skin, uniform tuber type
W13008-1Rus	624	682	91	8	71	20	1	1.085	3	3	0	0	0.5	3.8	2.8	Light skin, slight points, flaky skin, points
Silverton	599	670	89	9	69	20	2	1.074	0	0	7	3	0.5	4.0	3.0	Nice tuber type and appearance
AAF15169-3	594	679	87	9	76	11	4	1.084	0	0	0	0	1.8	3.7	3.3	Growth cracks, variable tuber shape, light skin, slightly misshapen, knobby
A12327-5VR	589	673	87	6	56	31	7	1.075	3	0	0	0	0.5	3.3	3.0	Points, bottlenecks, growth cracks, misshapen, skinning, DROP
AOR15227-2	585	648	90	7	79	11	3	1.096	17	0	3	0	2.2	3.7	3.0	Sticky stolons, slight skinning, variable skin type, tubular-like tubers
A08433-4STO	582	679	86	8	80	6	5	1.087	3	7	0	0	0.8	3.8	4.2	Oval to oblong, points, misshapen, knobby
Reveille Russet	580	675	86	4	39	47	10	1.068	3	3	3	0	0.8	2.3	3.0	Traces of misshapes, large tubers, knobs, consistent skin, slight skinning
Vanguard	579	654	89	10	85	3	1	1.067	0	0	0	0	0.7	3.2	3.0	Heavy russetting, nice type and skin
A12305-2adg	577	652	87	6	66	21	7	1.072	3	3	0	0	1.5	3.8	3.7	Soft rot, points, apical growth cracks, misshapen, poor tuber shape tubular-like, skinny tubers, skinning
AF6340-6	576	673	85	14	82	4	1	1.062	0	17	0	0	1.7	3.3	2.8	Skimming, poor shape, bad appearance, non uniform skin
AF6377-10	571	595	96	3	51	45	1	1.078	0	7	0	0	0.5	1.8	3.0	Slight alligator skin, skinning, nice shape, slight sticky stolons, oval
AFA5661-8	559	631	89	7	73	15	5	1.090	0	3	0	0	2.0	2.7	3.2	Growth cracks, misshapen, poor skin (inconsistent), apical skin cracks, deeper eyes, DROP
AOR15166-2	548	571	96	3	83	13	1	1.094	0	0	0	0	0.7	3.2	3.0	Nice tuber type, sticky stolons, variable skin finish
Peribonka	538	595	91	5	72	20	4	1.083	0	3	0	0	0.5	3.3	2.5	Light skin, slight growth cracks, traces of misshapen tubers, nice tubers, consistent shape
AAF10596-1	520	619	84	13	72	12	3	1.088	0	0	0	0	3.0	3.5	2.8	Smaller tubers, slightly misshapen, slight skinning, sticky stolons, tubular, elongated
COTX10080-2Rus	517	622	83	14	78	5	3	1.074	0	0	3	0	1.2	3.3	3.0	Misshapen, points, light skin, nice skin
AF6314-12	501	568	88	9	67	20	3	1.078	7	0	70	0	0.7	2.8	2.7	Bottlenecks, variable skin, points, slight sheep nose, sticky stolons, misshapen
AF6749-3	498	599	83	16	80	3	1	1.086	0	0	0	0	0.7	3.3	2.8	Slight sticky stolons, traces of points, nice tuber type, light skin, slight skinning
MN19AOR16061-007	498	622	80	19	76	3	1	1.082	0	0	10	0	1.2	3.2	3.0	Dark skin, smaller tubers, nice shape but small tubers, uniform
AAF15180-3	487	547	88	7	75	14	4	1.083	0	3	33	0	1.3	2.8	3.0	Consistent light skin, tubular, prominent eyes, some bottlenecks
AF6855-4	486	552	88	10	76	12	2	1.087	0	0	0	0	3.2	3.8	2.8	Smaller tubers, poor appearance, variable tuber shape, DROP (scabby)
Meister	481	646	74	22	71	3	4	1.090	0	7	7	0	2.0	4.2	3.0	Shiny tablestock skin, small oblong tuber tubular-like, smooth skin, no russetting, points, growth cracks
AF5736-16	469	525	90	9	80	10	1	1.087	7	0	0	0	0.8	3.0	3.7	Nice appearance, sticky stolons, smaller tubers
AF6377-12	464	526	88	11	61	27	1	1.087	3	3	17	0	0.8	3.0	3.0	Variable tuber size, blocky, slight alligator skin, variable skin finish, consistent
AOR16071-6	446	595	75	22	69	6	4	1.078	0	3	7	0	3.2	3.2	3.0	Lots of greening, smooth tablestock type, apical growth cracks, light skin,
AF7001-5	436	525	83	13	75	8	4	1.081	0	0	0	0	0.7	2.5	2.8	Light skin, nice skin appearance, misshapen tubers
AF5762-8	431	487	88	9	81	7	3	1.090	43	0	7	0	0.7	3.2	3.0	Variable tuber shape, darker skin, slight growth cracks
A13091-5	429	498	86	13	70	16	1	1.084	0	33	3	0	1.7	3.5	2.7	Small nice appearance tubers, variable skin finish, tubular shape
AF6750-3	426	457	93	6	67	27	1	1.070	0	0	0	0	0.5	2.7	3.0	Nice dark skin, traces of misshapen tubers, pear-sharpen tubers
CO16238-4Rus	421	563	75	24	74	1	2	1.070	0	0	47	0	1.5	3.0	3.0	Misshapen, pointed, tubular-like, slight skin cracks but nice looking tubers
AOR13064-2	393	462	85	13	65	20	2	1.092	13	0	3	0	1.2	4.0	3.0	Apical skin cracks, inconsistent skin finish, some nice type tubers, possible vari
AF6465-7	388	492	79	17	66	13	4	1.070	3	0	27	3	1.3	3.0	3.0	Variable skin, tubular type, slight skinning
CO13003-1Rus	387	484	80	19	73	7	1	1.048	17	0	7	43	0.7	3.7	3.0	Consistent small tuber type and skin, misshapen, greening, sprouting
MN19AOR17020-009	378	446	85	13	65	20	3	1.080	13	0	7	0	1.8	1.8	2.8	Light skin, prominent eyes, growth cracks, misshapen, sheep nose
CO15016-1Russto	344	571	60	28	57	3	12	1.072	0	0	0	0	1.0	2.8	3.0	Nice skin, misshapen, points, growth cracks, bottlenecks, heat knobs, tubular
A13072-7	335	379	88	7	63	25	5	1.070	3	20	3	0	1.2	3.2	2.7	Skimming, variable skin finish, smaller tuber size, traces of growth cracks
PSS11357-21	239	304	78	17	73	6	5	1.089	0	3	0	0	1.5	3.0	3.3	Bottlenecks, skinning, tubular-like, soft rot, points, poor appearance, bad skin set
CO15070-4Rus	167	290	57	43	55	1	0	1.064	0	0	0	0	0.3	3.7	2.0	Great skin and appearance, small tuber type
MEAN	497	584	85	12	70	14	3	1.079	4	3	7	1	1.2	3.2	3.0	
LSD	102	107	6	5	9	10	4	NA	12	12	14	6	0.7	0.4	0.7	

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

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IBS: Internal Brown Spot

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⁴COMMON SCAB RATING

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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: 6/03/2024

Rating 1-5

1: Slow emergence

5: Early emergence (vigorous vine, some flowering)

FIELD DATA

Planting Date 4/26/2024

Vine Kill Date 8/26/2024

Harvest Date 9/12/2024

Days (planting to vine kill) 122

Days (planting to harvest) 139

CGDD₅₀ MAWN Station 4009 ConstantineCGDD₅₀ (planting to vine kill) 3533

Seed Spacing 10"

⁶VINE MATURITY RATING

Date: 8/09/2024

Rating 1-5

1: Early (vines completely dead)

5: Late (vigorous vines, some flowering)

Russet Variety Trial, Walther Farms, Cass County

Planting: 04/26/2024 Vine Kill: 8/26/24 Harvest: 9/12/2024

CGDD₁₀: 4009

LINE	CWT/A		PERCENT OF TOTAL ¹					RAW TUBER QUALITY ³ (%)				COMMON SCAB RATING ⁴	VINE VIGOR ⁵	VINE MATURITY ⁶	COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR ²	HH	VD	IBS					BC
W19039-6Rus	695	749	93	6	61	32	1	1.077	0	0	10	0	1.0	3.5	3.0	Consistent skin and tuber type
MN19AOR16061-007	672	777	87	13	78	9	0	1.076	0	0	60	0	1.0	3.0	3.0	Apical growth cracks, heavier skin, nice
AAF15180-3	631	698	90	5	64	26	4	1.079	0	0	30	0	1.0	3.0	3.0	Very nice skin and appearance
AAF15169-3	622	686	91	7	85	6	2	1.079	0	0	0	0	2.0	4.0	3.0	Tubular, narrow type, lighter skin
W19037-11Rus	622	706	88	10	80	8	2	1.078	0	0	10	0	0.5	3.5	3.0	Growth cracks, sheep nose
AF6377-10	597	618	97	2	52	45	1	1.074	0	0	0	0	0.5	2.0	3.0	Blocky type, slight sheep nose, nice skin
AF6340-6	592	684	87	13	82	4	1	1.059	0	0	10	0	2.0	3.5	3.0	Lighter skin, nice shape
Silverton Russet	588	669	88	9	74	14	3	1.068	0	0	0	0	0.5	3.5	3.0	Growth cracks, misshapen tubers
AF6377-12	536	573	94	6	64	29	0	1.084	0	0	30	0	0.5	2.5	3.0	Ok general appearance
W19039-3Rus	517	557	93	6	75	18	1	1.059	0	0	0	0	1.0	3.0	2.0	
AF6855-4	505	572	88	10	76	13	2	1.082	30	0	0	0	3.5	3.5	3.0	Poor appearance, variable skin
AF6750-3	480	557	86	12	72	15	2	1.072	0	0	0	0	1.0	3.0	3.0	Heavier skin
W19039-3Rus	473	535	88	3	63	26	8	1.064	0	0	10	0	1.0	3.5	2.0	Misshapen, very poor tuber type
AF6314-12	472	565	84	10	60	23	6	1.073	0	0	60	0	2.0	2.5	3.0	Growth cracks, points
AAF10596-1	471	604	78	9	51	27	13	1.085	10	0	0	0	3.5	2.5	3.0	Very poor tuber type and appearance, DROP
AF6749-3	469	560	84	12	80	4	5	1.081	0	0	0	0	1.0	3.0	3.0	Misshapen, lighter skin
AF7001-5	460	507	91	8	82	9	1	1.078	0	0	0	10	1.0	2.0	3.0	Lighter skin, nice
W19039-3Rus	451	513	88	8	59	29	4	1.056	0	0	0	0	1.0	3.0	3.0	Variable
NDAF1791-6	447	562	79	11	60	19	10	1.084	20	0	0	0	3.0	3.0	3.0	
TX20076-1Ru	442	582	76	9	56	21	15	1.061	0	10	20	0	1.0	3.5	3.5	Severe growth cracks, secondary growths, misshapen
W19034-30Rus	425	618	69	21	67	1	10	1.073	0	0	0	0	1.5	3.5	2.5	Misshapen, pointed, bottlenecks
AF5736-16	407	460	89	11	67	22	1	1.086	20	0	0	0	1.0	3.0	4.0	
AF5762-8	360	410	88	7	77	11	5	1.084	70	0	10	0	0.5	3.0	3.0	
NDAF13242B-3	351	435	81	14	77	4	6	1.073	0	0	0	0	3.0	3.0	3.0	Very poor tuber type and appearance, DROP
NDAF1791-1	246	482	51	9	46	5	40	1.096	0	0	0	0	0.5	2.5	3.0	Oblong to long tuber type, heat stress, knobs and pine cone eyes, DROP
COTX19072-2Ru	225	293	77	20	69	7	3	1.068	0	40	0	0	3.5	2.5	1.0	Light skin, poor tubular appearance, DROP
TX20118-1RuRe	215	492	44	7	23	21	50	1.063	0	20	30	0	2.0	3.5	2.5	Severe herbicide injury, DROP
COTX19136-1Ru	205	324	63	36	58	5	0	1.070	0	0	0	0	2.0	2.0	1.0	Misshapen tubers, variable skin
CO16238-4Ru	172	280	65	13	61	1	25	1.063	1	0	2	0	1.0	3.0	3.0	Bottlenecking, knobs, medium heavy russeting, DROP
COTX17304-1Ru	140	182	77	23	68	9	0	1.063	0	0	0	0	3.0	3.0	0.0	Poor yield, nice dark uniform russet skin
MEAN	450	542	82	11	66	15	7	1.074	5	2	9	0	1.5	3.0	2.7	

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