

# **2022 Potato Outreach Program On-Farm Variety Trials**

## **Data Summary: Michigan Russet Variety Trials**

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## 2022 Michigan Statewide Russet Potato Variety Trials Overall Averages - Thirteen Locations

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>						RAW TUBER QUALITY <sup>3</sup> (%)				COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC				
A12327-5VR <sup>abcetgijm</sup>	570	671	85	6	51	34	9	1.076	13	9	4	0	0.2	3.6	3.2	attractive russet skin, nice appearance, trace pointed tubers
AF6855-4 <sup>fi</sup>	542	636	86	10	72	14	4	1.082	10	0	0	0	0.5	3.0	2.8	blocky oblong type, nice appearance
AF5707-1 <sup>abcetgijm</sup>	525	661	78	19	72	6	3	1.079	11	1	0	0	1.2	3.9	3.2	nice type and appearance, flat oblong type
AAF15086-5 <sup>el</sup>	500	591	84	12	72	12	4	1.080	0	5	0	0	1.3	3.5	3.5	nice appearance, oblong, medium russet skin
W17079-16rus <sup>km</sup>	491	625	79	11	64	15	10	1.081	15	0	0	0	0.4	2.7	3.0	flat oblong type, heavy russet skin
AF6814-1 <sup>fi</sup>	487	576	86	5	54	32	9	1.081	0	0	0	0	1.0	2.5	3.3	oblong to long type, medium netted skin
AF6377-10 <sup>clm</sup>	486	526	92	4	56	36	4	1.072	7	3	1	0	0.0	3.3	2.7	blocky oblong type, nice russet skin
W17081-2rus <sup>km</sup>	485	697	70	9	63	7	21	1.075	0	0	35	0	1.2	3.6	2.8	light russet skin, tubular type
AAF15010-1 <sup>ae</sup>	474	586	79	17	69	10	4	1.094	13	0	0	0	0.8	3.6	3.4	variable type, heavy russet skin
W13A11229-1rus <sup>abcdfgim</sup>	473	595	79	17	74	5	4	1.085	17	5	0	0	0.6	3.3	3.0	flat oblong type, medium russet skin
<b>Silverton Russet<sup>abcetgijm</sup></b>	<b>463</b>	<b>529</b>	<b>87</b>	<b>10</b>	<b>66</b>	<b>21</b>	<b>3</b>	<b>1.068</b>	<b>10</b>	<b>6</b>	<b>5</b>	<b>3</b>	<b>0.3</b>	<b>3.8</b>	<b>3.1</b>	<b>flat oblong type, nice appearance</b>
Reveille Russet <sup>abcetgijmh</sup>	460	518	88	7	62	26	5	1.067	0	6	1	0	0.1	2.8	3.1	uniform oblong type, moderate skinning, blocky
AF6750-3 <sup>fi</sup>	455	586	78	11	63	15	11	1.070	5	0	0	0	0.0	2.8	3.3	blocky oblong type, acceptable appearance
AF6340-6 <sup>clm</sup>	449	529	85	13	79	6	2	1.066	0	0	0	0	0.8	3.7	2.0	flattened blocky oblong type
A13085-2 <sup>abctikm</sup>	448	555	79	12	62	17	9	1.081	3	4	4	0	0.2	4.1	2.5	tubular type, heavier skin
W13008-1rus <sup>abcdfgim</sup>	447	522	84	12	67	17	4	1.075	0	7	1	0	0.4	4.2	2.5	long type, pointed tubers, moderate alligator hide
AF6377-13 <sup>fikm</sup>	441	553	81	12	66	15	7	1.087	17	0	3	0	0.0	3.3	3.0	blocky type, nice skin, trace growth crack
A12304-1sto <sup>abcdfgikm</sup>	440	586	73	24	67	6	3	1.082	1	4	19	1	0.4	3.4	3.1	nice appearance, oblong type, slight skinning
AOR13064-2 <sup>abefm</sup>	439	536	82	12	64	18	6	1.084	23	12	5	0	0.2	4.5	2.9	blocky oblong type, dark skin, trace pointed tubers
A10071-1 <sup>am</sup>	438	533	84	12	79	5	4	1.072	0	0	0	0	0.0	4.6	2.6	moderate alligator hide, nice skin
AF6298-2 <sup>bikm</sup>	435	530	85	11	77	8	4	1.078	6	8	0	1	0.8	3.3	2.5	flattened oblong type
A08433-4sto <sup>abcdfgijm</sup>	434	546	78	17	66	12	5	1.075	6	6	1	0	0.2	3.1	3.5	flat oblong type, light russet skin, nice appearance
A12303-4sto <sup>abcdfgikm</sup>	428	608	70	23	65	5	7	1.082	3	7	2	0	0.3	3.1	3.2	pointed ends, long type, medium russet skin
WAF17079-2 <sup>fi</sup>	427	534	80	12	67	13	8	1.075	15	0	0	0	0.0	2.3	2.8	dark skin, nice appearance, flat oblong type
A11175-12TE <sup>bcefm</sup>	421	500	84	13	74	10	3	1.076	0	5	0	0	0.3	3.9	2.3	oblong blocky type, nice appearance
W17098-43rus <sup>m</sup>	418	734	57	28	56	1	15	1.073	10	0	0	0	0.5	3.5	3.0	tubular type, variable skin
W17099-6rus <sup>km</sup>	412	827	42	24	39	3	34	1.067	2	0	0	0	1.3	3.8	2.9	misshapen tubers, tubular type
COA15494-8 <sup>km</sup>	408	524	77	15	73	4	8	1.068	15	0	15	0	0.0	2.8	2.4	<b>longer type, heavy russet skin</b>
A10595-13sto <sup>m</sup>	405	551	73	18	68	5	9	1.075	7	0	0	0	0.8	3.5	2.2	variable tuber type, light russet skin
Vanguard <sup>abcetghim</sup>	403	495	82	14	76	6	4	1.061	1	2	0	0	0.1	3.1	2.6	medium skin, nice shape, trace misshapen tubers
A09119-4LB <sup>abcetfm</sup>	403	499	78	16	65	13	6	1.080	0	6	0	0	1.0	4.4	2.9	non uniform type, variable skin
AOR10204-3 <sup>abcetfm</sup>	399	519	76	9	53	23	15	1.068	9	3	2	1	0.1	3.8	2.6	moderate skinning, heavy russet skin
AF5762-8 <sup>abcdgikm</sup>	394	494	81	13	73	8	6	1.084	12	5	16	0	0.1	3.1	3.1	nice dark russet skin, oblong type, deeper eyes
COAF16277-4 <sup>fi</sup>	377	404	94	3	67	27	3	1.070	0	0	0	0	0.0	2.5	3.0	oblong type, medium russet skin
AAF16069-2 <sup>el</sup>	373	498	76	18	72	4	6	1.084	10	0	15	5	0.0	3.0	3.0	nice appearance, trace growth crack, nice skin
AF5735-8 <sup>abcegi</sup>	364	495	74	22	69	5	4	1.076	20	7	0	0	1.2	3.3	2.7	flattened oblong to long type, medium russet skin
AF6749-3 <sup>fi</sup>	364	556	64	14	59	5	22	1.076	10	0	0	0	0.8	2.5	3.3	growth crack, marginal appearance
CO10085-1RU <sup>abcetgijm</sup>	357	507	69	20	61	8	11	1.083	0	2	3	0	0.7	3.7	3.1	nice appearance, medium russet skin
Ranger Russet <sup>bfiikm</sup>	357	609	57	26	55	2	17	1.083	2	10	0	0	0.8	3.4	3.2	long tubular type, bottlenecks, deeper eyes
ATX15097-1RU <sup>ae</sup>	342	474	72	18	65	7	10	1.084	10	5	5	0	0.5	3.5	3.3	inconsistent type, light russet skin
W17094-3rus <sup>km</sup>	339	622	54	15	46	8	31	1.079	0	0	0	0	0.3	2.1	2.8	poor type and appearance
Umatilla <sup>fgm</sup>	339	632	53	21	50	3	26	1.081	0	0	0	0	0.4	2.3	2.7	medium russet skin, variable type
AF6465-7 <sup>im</sup>	330	524	64	20	62	2	16	1.079	0	0	3	0	0.1	4.0	2.4	heavy russet skin, marginal appearance, deep eyes
W17098-19rus <sup>km</sup>	320	696	48	20	43	5	32	1.077	0	0	0	0	0.7	3.3	2.9	tubular type, heavy russet skin, marginal appearance
A11737-1LB <sup>m</sup>	311	503	61	29	61	0	10	1.071	0	0	0	0	1.0	2.5	2.3	smaller type, darker skin

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					RAW TUBER QUALITY <sup>3</sup> (%)					COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC				
AAF16069-1 <sup>el</sup>	311	533	58	35	55	3	7	1.073	5	5	20	0	1.3	3.5	3.3	oblong to long, variable type, growth crack darker russet skin, moderate pinkeye, deeper eyes
<b>Russet Norkotah</b> <sup>abcdfgijm</sup>	<b>304</b>	<b>448</b>	<b>64</b>	<b>26</b>	<b>55</b>	<b>9</b>	<b>10</b>	<b>1.072</b>	<b>10</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0.2</b>	<b>2.8</b>	<b>2.9</b>	
Goldrush <sup>abcdfgim</sup>	300	493	62	20	56	6	18	1.066	1	10	0	0	0.0	3.3	2.7	longer type, heavy skin
ATX15120-1RU <sup>ae</sup>	299	386	78	16	67	11	6	1.081	15	0	10	5	0.0	4.3	2.0	oblong type
AF5735-2 <sup>m</sup>	293	590	50	43	49	1	7	1.072	0	0	0	0	1.2	3.2	2.0	flattened type, medium russet skin
A15008-2TE <sup>abcfghi</sup>	291	394	73	24	67	6	3	1.065	7	3	10	0	0.1	3.7	2.6	nice dark russet skin, oblong type
A06030-23 <sup>abcfim</sup>	290	350	84	11	74	10	5	1.073	17	5	0	0	0.1	3.1	2.2	nice oblong type, slight growth crack
AOR07781-5 <sup>ab</sup>	289	382	71	19	64	7	10	1.073	5	10	0	0	0.0	5.0	2.3	misshapen tubers, trace pinkeye
AAF14025-2 <sup>aem</sup>	279	502	55	34	50	5	11	1.092	0	0	8	0	0.8	3.8	3.9	flattened oval to oblong type, misshapen tubers
W17091-12rus <sup>m</sup>	276	563	48	34	45	3	18	1.064	3	0	0	3	0.7	3.7	3.3	moderate alligator hide, variable type
COTX08063-2RU <sup>ak</sup>	249	399	64	34	63	1	2	1.091	0	0	0	0	0.8	4.0	2.5	longer type, misshapen pickouts
A13036-1 <sup>abfgkmi</sup>	243	369	63	26	59	4	11	1.072	0	7	0	0	0.5	3.1	2.6	variable tuber type, nice skin
ATTX10007-3RU <sup>ai</sup>	159	251	63	33	59	4	4	1.073	0	0	0	0	0.3	3.5	2.8	variable skin, poor appearance
<b>Russet Burbank</b> <sup>ikm</sup>	<b>107</b>	<b>550</b>	<b>21</b>	<b>32</b>	<b>21</b>	<b>0</b>	<b>47</b>	<b>1.068</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.1</b>	<b>3.2</b>	<b>2.9</b>	<b>long type, severely misshapen tubers</b>
<b>MEAN</b>	<b>386</b>	<b>537</b>	<b>72</b>	<b>18</b>	<b>62</b>	<b>10</b>	<b>10</b>	<b>1.076</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0.5</b>	<b>3.4</b>	<b>2.8</b>	

**2022 Russet Variety Trial Sites**

- <sup>a</sup>4-L Farm
- <sup>b</sup>Horkey Farms
- <sup>c</sup>Jenkins Farms
- <sup>d</sup>Kitchen Farms, Mini Bulk Trial
- <sup>e</sup>Kitchen Farms, Strip Trial
- <sup>f</sup>Lennard Ag. Co., Russet Trial
- <sup>g</sup>Lennard Ag. Co., Russet Select Trial
- <sup>h</sup>Sandyland Farms
- <sup>i</sup>Styma Potato Farms
- <sup>j</sup>Verbrigghe Farms
- <sup>k</sup>Walther Farms, NFPT Trial
- <sup>l</sup>Walther Farms, NFPT Add On Trial
- <sup>m</sup>Walther Farms, Replicated Norkotah Trial

**<sup>1</sup>SIZE**

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

**<sup>2</sup>SPECIFIC GRAVITY**  
Data not replicated

**<sup>3</sup>RAW TUBER QUALITY**  
(percent of tubers out of 10)

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

**<sup>4</sup>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

**<sup>6</sup>VINE MATURITY RATING**

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

**<sup>5</sup>VINE VIGOR RATING**

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

# 2022 Russet Potato Variety Trial

## 4-L Farms

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

GDD<sub>40</sub>: 3634

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					RAW TUBER QUALITY <sup>3</sup> (%)					COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC				
AF5707-1	690	770	90	7	80	10	3	1.079	20	0	0	0	1.5	5.0	3.0	very nice type and appearance, lighter skin
W13A11229-1rus	654	721	91	7	80	11	2	1.083	60	0	0	0	1.0	4.0	2.0	slight growth crack
W13008-1Rus	610	677	91	6	55	36	3	1.075	0	0	0	0	0.0	5.0	2.0	poor type and appearance, light skin
A08433-4sto	593	624	95	4	70	25	1	1.073	10	0	10	0	0.0	4.5	2.0	nice appearance, trace growth crack, good shape
<b>Silverton Russet</b>	<b>566</b>	<b>616</b>	<b>92</b>	<b>7</b>	<b>68</b>	<b>24</b>	<b>1</b>	<b>1.071</b>	<b>30</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0.0</b>	<b>5.0</b>	<b>3.5</b>	<b>variable skin color</b>
AF5735-8	566	703	80	17	70	10	3	1.075	20	0	0	0	0.5	4.5	2.5	light russet skin, pointed ends
A13085-2	546	591	92	6	60	32	2	1.085	0	0	0	0	0.5	4.5	3.0	irregular skin, cracking, points
AAF15010-1	521	580	90	7	58	32	3	1.089	40	0	0	0	0.0	4.0	3.0	points, second growth, misshapen, poor type
A12327-5VR	498	523	95	4	50	45	1	1.075	30	0	0	0	0.0	4.0	3.5	excellent appearance, nice type and skin
Reveille Russet	483	545	89	7	50	39	4	1.068	0	0	0	0	0.5	3.5	3.0	variable skin, nice type
AF5762-8	456	516	88	9	72	16	3	1.087	20	0	0	0	0.0	5.0	3.0	nice dark russet skin
AOR07781-5	447	548	82	8	68	14	10	1.080	10	0	0	0	0.0	5.0	3.5	lots of misshapen bent tubers, points, nice skin
A12304-1sto	446	538	83	15	64	19	2	1.078	0	0	20	0	0.0	4.0	3.0	moderate skinning, inconsistent skin, misshapen pickouts
C010085-1RU	446	561	80	14	72	8	6	1.082	0	0	0	0	0.0	4.5	2.5	nice appearance, trace alligator hide
AOR13064-2	444	511	87	9	58	29	4	1.082	40	0	0	0	0.0	5.0	3.0	dark russet skin, moderate skinning, trace pointed ends
Vanguard	432	494	87	10	75	12	3	1.058	0	0	0	0	0.0	4.5	3.5	nice shape, variable russet skin, misshapen pickouts
A09119-4LB	417	462	91	7	65	26	2	1.089	0	0	0	0	0.5	5.0	3.0	light russet skin, prominent eyes
AAF14025-2	409	598	68	11	52	16	21	1.084	0	0	20	0	0.5	4.5	4.0	severe aligator hide, misshapen tubers, poor appearance
A10071-1	400	457	88	10	81	7	2	1.074	0	0	0	0	0.0	5.0	2.5	moderate aligtaor hide, nice skin
ATX15097-1RU	384	529	73	15	62	11	12	1.083	20	0	0	0	0.0	3.5	3.0	severe misshapen pickouts, light skin
AOR10204-3	346	448	77	6	45	32	17	1.071	40	0	0	0	0.0	4.0	2.5	moderate skinning, variable skin color, growth crack
A12303-4sto	331	410	80	19	73	7	1	1.084	30	0	0	0	0.0	3.5	3.0	nice skin and type, trace pointed ends
<b>Goldrush</b>	<b>326</b>	<b>456</b>	<b>72</b>	<b>14</b>	<b>69</b>	<b>3</b>	<b>14</b>	<b>1.064</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>4.0</b>	<b>2.0</b>	<b>lots of pickouts, poor shape and appearance, moderate growth crack</b>
ATX15120-1RU	319	387	83	17	64	19	0	1.077	30	0	10	10	0.0	4.0	2.0	irregular light skin
<b>Russet Norkotah</b>	<b>289</b>	<b>327</b>	<b>89</b>	<b>8</b>	<b>61</b>	<b>28</b>	<b>3</b>	<b>1.067</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>3.5</b>	<b>3.0</b>	<b>nice appearance, trace misshapen tubers</b>
A06030-23	263	288	91	8	66	25	1	1.068	50	0	0	0	0.0	4.0	2.0	moderate growth crack, slight second growth, nice appearance
A15008-2TE	260	328	80	16	72	8	4	1.064	40	0	0	0	0.0	4.5	2.5	nice dark russet skin and type, growth crack in pickouts
COTX08063-2RU	235	335	70	26	68	2	4	1.093	0	0	0	0	0.5	4.5	2.5	very light skin, misshapen pickouts
A13036-1	128	164	79	20	59	20	1	1.063	0	0	0	0	0.0	4.5	2.0	pointed tubers, variable skin
ATTX10007-3RU	109	185	59	39	55	4	2	1.065	0	0	0	0	0.5	3.5	3.0	small type, light russet skin
<b>MEAN</b>	<b>420</b>	<b>496</b>	<b>84</b>	<b>12</b>	<b>65</b>	<b>19</b>	<b>5</b>	<b>1.076</b>	<b>17</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0.2</b>	<b>4.3</b>	<b>2.8</b>	

### <sup>1</sup>SIZE

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

### <sup>2</sup>SPECIFIC GRAVITY

Data not replicated

### <sup>3</sup>RAW TUBER QUALITY

(percent of tubers out of 10)

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

### <sup>4</sup>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

### <sup>5</sup>VINE VIGOR RATING

Date: 7/5/22  
Rating 1-5  
1: Slow emergence  
5: Early emergence (vigorous vine, some flowering)

### <sup>6</sup>VINE MATURITY RATING

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

### FIELD DATA

Planting Date 5/24/22  
Vine Kill Date 9/27/22  
Harvest Date 10/24/22  
Days (planting to vine kill) 126  
Days (planting to harvest) 153  
GDD<sub>40</sub> MAWN Station Allegan  
GDD<sub>40</sub> (planting to vine kill) 3634  
Seed Spacing 10"

# 2022 Russet Potato Variety Trial

## Horkey Brothers

Planting: 5/2/22 Vine Kill: 8/18/22 Harvest: 9/1/22  
GDD<sub>40</sub>: 3126

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					RAW TUBER QUALITY <sup>3</sup> (%)					COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC				
<b>Silverton Russet</b>	<b>441</b>	<b>535</b>	<b>82</b>	<b>12</b>	<b>68</b>	<b>14</b>	<b>6</b>	<b>1.060</b>	<b>0</b>	<b>40</b>	<b>10</b>	<b>10</b>	<b>0.0</b>	<b>4.5</b>	<b>2.5</b>	<b>moderate skinning and pinkeye</b>
AOR10204-3	423	541	78	5	57	21	17	1.060	0	20	0	0	0.0	4.0	2.5	moderate alligator hide, skinning, points, heavy skin, less uniform
W13A11229-1rus	414	555	75	18	73	2	7	1.073	0	40	0	0	1.0	4.0	2.5	medium russet skin, tubular type, less uniform
AF6298-2	407	448	91	6	74	17	3	1.067	10	20	0	0	2.0	3.0	1.5	medium russet skin, flattened oblong tuber type
AF5735-8	381	527	72	21	70	2	7	1.061	0	40	0	0	2.0	3.5	1.0	trace pitting, non uniform type, flattened oblong type
A12327-SVR	379	475	80	8	72	8	12	1.064	0	40	0	0	0.0	3.5	2.0	blocky oblong type, knobs and misshapen tubers in pickouts
AOR13064-2	367	430	85	9	68	17	6	1.075	0	40	0	0	0.5	5.0	2.0	oblong blocky type, moderate alligator hide, acceptable appearance
AF5762-8	363	453	80	11	69	11	9	1.073	0	40	20	0	0.0	4.0	3.0	trace alligator hide, non uniform tuber type
A12303-4sto	347	623	56	24	51	5	20	1.070	0	30	0	0	0.5	3.0	3.0	slight alligator hide and bottlenecking bottlenecking, long tuber type
AF5707-1	345	535	64	31	64	0	5	1.066	0	10	0	0	2.5	4.5	1.5	flattened oblong type
A13085-2	333	405	82	11	74	8	7	1.074	10	30	10	0	0.0	4.5	1.5	med to heavy russet, acceptable appearance, burbank type
A09119-4LB	330	401	83	13	72	11	4	1.069	0	40	0	0	1.5	4.5	2.5	not uniform tuber type, medium russet skin
A06030-23	330	360	91	5	78	13	4	1.068	0	30	0	0	0.0	2.5	2.0	nice oblong type, trace alligator hide, nice appearance
Vanguard	326	393	83	13	75	8	4	1.050	0	20	0	0	0.0	4.5	1.0	slight alligator hide
W13008-1rus	280	355	79	16	76	3	5	1.060	0	50	0	0	1.0	5.0	2.5	long tuber type, medium russet skin
Reveille Russet	259	327	79	18	77	2	3	1.052	0	40	0	0	0.0	3.0	1.0	moderate pink eye, uniform oblong type
A11175-12TE	259	340	76	22	74	2	2	1.062	0	30	0	0	0.5	4.5	1.0	non uniform type, light russet skin
Ranger Russet	248	520	48	30	48	0	22	1.078	0	50	0	0	1.5	4.0	3.0	lots of bottlenecking, non uniform tuber type and skin
A12304-1sto	244	374	65	33	65	0	2	1.073	0	40	10	10	1.0	3.5	3.0	moderate alligator hide, medium to heavy russet skin
A15008-2TE	225	333	67	33	60	7	0	1.056	0	20	0	0	0.0	4.5	1.0	heavy russet skin, nice type
A08433-4STO	204	318	64	31	64	0	5	1.060	0	50	0	0	0.5	3.0	3.5	flat blocky oblong type
CO10085-1RU	178	361	49	41	49	0	10	1.069	0	20	20	0	2.0	4.5	2.5	<b>poor appearance, non uniform type</b>
A13036-1	158	273	58	26	58	0	16	1.058	0	50	0	0	1.0	3.0	2.5	long tubular type, medium russet skin
<b>Goldrush</b>	<b>137</b>	<b>355</b>	<b>39</b>	<b>46</b>	<b>39</b>	<b>0</b>	<b>15</b>	<b>1.054</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>3.5</b>	<b>1.5</b>	<b>trace bottlenecking, heavy russet skin</b>
AOR07781-5	131	216	60	31	60	0	9	1.066	0	20	0	0	0.0	5.0	1.0	trace pinkeye, heavy russet skin
<b>Russet Norkotah</b>	<b>36</b>	<b>184</b>	<b>19</b>	<b>66</b>	<b>19</b>	<b>0</b>	<b>15</b>	<b>1.054</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0.5</b>	<b>4.0</b>	<b>2.0</b>	<b>poor appearance, moderate pinkeye, medium russet skin</b>
<b>MEAN</b>	<b>300</b>	<b>418</b>	<b>71</b>	<b>21</b>	<b>65</b>	<b>6</b>	<b>8</b>	<b>1.065</b>	<b>1</b>	<b>34</b>	<b>3</b>	<b>1</b>	<b>0.7</b>	<b>3.9</b>	<b>2.0</b>	

<sup>1</sup>**SIZE**

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

<sup>2</sup>**SPECIFIC GRAVITY**

Data not replicated

<sup>3</sup>**RAW TUBER QUALITY**

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

<sup>4</sup>**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

<sup>5</sup>**VINE VIGOR RATING**

Date: 6/17/22  
Rating 1-5  
1: Slow emergence  
5: Early emergence (vigorous vine, some flowering)

<sup>6</sup>**VINE MATURITY RATING**

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

**FIELD DATA**

Planting Date	5/2/22
Vine Kill Date	8/18/22
Harvest Date	9/1/22
Days (planting to vine kill)	108
Days (planting to harvest)	122
GDD <sub>40</sub> MAWN Station	Deerfield/Blissfield
GDD <sub>40</sub> (planting to vine kill)	3126
Seed Spacing	10"

# 2022 Russet Potato Variety Trial

## Jenkins Farms

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

GDD<sub>40</sub>: 3143

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					RAW TUBER QUALITY <sup>3</sup> (%)					COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC				
Reveille Russet	511	557	92	8	67	25	0	1.063	0	20	0	0	0.0	2.5	3.0	dark russet skin, moderate skinning
A12327-5VR	495	532	93	5	42	51	2	1.074	0	20	0	0	0.0	3.5	4.0	nice blocky oval to oblong type, dark skin
AF5707-1	465	617	75	22	72	3	3	1.078	0	0	0	0	2.0	4.0	4.0	flat oval to oblong type, medium russet skin
Vanguard	440	519	85	13	73	12	2	1.065	10	0	0	0	0.0	3.5	3.0	medium dark russet skin, nice appearance
AOR10204-3	410	505	81	11	61	20	8	1.071	10	0	0	0	0.0	3.5	2.0	heavy russet skin, oblong to long type, slight skinning
AF6377-10	406	467	87	5	52	35	8	1.069	20	10	0	0	0.0	3.0	2.5	blocky oblong type, nice skin
A12303-4sto	364	636	58	32	56	2	10	1.081	0	20	0	0	0.5	3.5	3.0	flat tubular type, pointed tubers
<b>Goldrush</b>	<b>357</b>	<b>457</b>	<b>79</b>	<b>11</b>	<b>61</b>	<b>18</b>	<b>10</b>	<b>1.066</b>	<b>0</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>3.0</b>	<b>3.0</b>	<b>flat oblong to long type, nice appearance</b>
A11175-12TE	349	414	85	15	73	12	0	1.076	0	0	0	0	0.0	4.0	2.0	medium russet skin, less uniform type
AF6340-6	343	383	89	11	82	7	0	1.067	0	0	0	0	1.5	3.5	1.5	flat blocky oblong type, light russet skin
AF5762-8	324	386	84	14	82	2	2	1.078	20	0	0	0	0.0	3.0	3.5	flat oblong type, heavy russet skin, nice appearance
AF5735-8	321	405	80	17	74	6	3	1.075	10	0	0	0	2.0	3.0	3.0	flattened oblong to long type, medium russet skin
A06030-23	318	358	89	11	84	5	0	1.076	0	0	0	0	0.0	3.0	1.5	nice appearance, dark russet skin
A13085-2	299	438	69	17	63	6	14	1.078	0	0	20	0	0.0	4.5	3.5	oblong to long tubular type, heavy russet skin
A12304-1sto	292	412	71	25	69	2	4	1.082	0	0	0	0	0.0	4.0	3.5	slight skinning, light russet skin
<b>Russet Norkotah</b>	<b>268</b>	<b>396</b>	<b>68</b>	<b>28</b>	<b>64</b>	<b>4</b>	<b>4</b>	<b>1.073</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.5</b>	<b>2.5</b>	<b>3.5</b>	
W13A11229-1rus	248	334	74	22	67	7	4	1.078	10	0	0	0	1.0	2.5	4.0	flat pointed type, less uniform
CO10085-1RU	247	417	59	25	57	2	16	1.079	0	0	0	0	0.0	4.0	3.0	oblong tubular type
A08433-4STO	228	377	61	36	56	5	3	1.070	0	0	0	0	0.0	2.5	3.5	flat oval to oblong type, less uniform, light netted skin
W13008-1rus	223	297	75	23	67	8	2	1.072	0	0	0	0	1.0	5.0	1.5	alligator hide, non uniform type
<b>Silverton Russet</b>	<b>192</b>	<b>249</b>	<b>77</b>	<b>23</b>	<b>71</b>	<b>6</b>	<b>0</b>	<b>1.063</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0.5</b>	<b>3.5</b>	<b>4.0</b>	
A15008-2TE	149	275	54	44	54	0	2	1.065	0	0	0	0	0.0	4.5	3.5	uniform dark russet skin, oblong type
A09119-4LB	86	168	52	37	49	3	11	1.058	0	0	0	0	0.0	4.5	3.5	non uniform type, light russet skin
<b>MEAN</b>	<b>319</b>	<b>417</b>	<b>76</b>	<b>20</b>	<b>65</b>	<b>10</b>	<b>5</b>	<b>1.072</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0.4</b>	<b>3.5</b>	<b>3.0</b>	

<sup>1</sup>SIZE

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

<sup>2</sup>SPECIFIC GRAVITY

Data not replicated

<sup>3</sup>RAW TUBER QUALITY

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

<sup>4</sup>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

<sup>5</sup>VINE VIGOR RATING

Date: 6/30/22  
Rating 1-5  
1: Slow emergence  
5: Early emergence (vigorous vine, some flowering)

<sup>6</sup>VINE MATURITY RATING

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

FIELD DATA

Planting Date 5/16/22  
Vine Kill Date 8/24/22  
Harvest Date 9/19/22  
Days (planting to vine kill) 100  
Days (planting to harvest) 126  
GDD<sub>40</sub> MAWN Station Kalkaska  
GDD<sub>40</sub> (planting to vine kill) 3143  
Seed Spacing 10"

# 2022 Mini Bulk Russet Potato Variety Trial

## Kitchen Farms

Planting: 6/2/22 Vine Kill: 9/2/22 Harvest: 10/11/22  
GDD<sub>40</sub>: 2360

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					RAW TUBER QUALITY <sup>3</sup> (%)					COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC				
W13008-1rus	354	423	84	15	81	3	1	1.083	0	0	0	0	0.0	4.0	3.0	oblong tuber type, medium russet skin, moderate points
W13A11229-1RUS	350	513	68	30	68	0	2	1.091	0	0	0	0	0.5	4.0	3.0	medium russeting, flat oblong tuber type, skin cracking
A08433-4sto	317	463	68	29	68	0	3	1.080	0	0	0	0	0.5	3.5	4.5	flattened oblong type, light russet skin
A12304-1sto	277	430	64	33	63	1	2	1.088	0	0	10	0	0.5	3.5	3.0	medium russet skin, non uniform tuber type
<b>MEAN</b>	<b>324</b>	<b>457</b>	<b>71</b>	<b>27</b>	<b>70</b>	<b>1</b>	<b>2</b>	<b>1.086</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0.4</b>	<b>4.0</b>	<b>3.4</b>	

**<sup>1</sup>SIZE**

**Russets**

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

**<sup>2</sup>SPECIFIC GRAVITY**

Data not replicated

**<sup>3</sup>RAW TUBER QUALITY**

**(percent of tubers out of 10)**

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

**<sup>4</sup>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

**<sup>5</sup>VINE VIGOR RATING**

Date: 7/13/22  
Rating 1-5  
1: Slow emergence  
5: Early emergence (vigorous vine, some flowering)

**<sup>6</sup>VINE MATURITY RATING**

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

**FIELD DATA**

Planting Date 6/2/22  
Vine Kill Date 9/2/22  
Harvest Date 10/11/22  
Days (planting to vine kill) 92  
Days (planting to harvest) 131  
GDD<sub>40</sub> MAWN Station Kalkaska  
GDD<sub>40</sub> (planting to vine kill) 2360  
Seed Spacing 10"

# 2022 Strip Russet Potato Variety Trial

## Kitchen Farms

Planting: 6/2/22 Vine Kill: 9/2/22 Harvest: 10/11/22  
GDD<sub>40</sub>: 2360

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					RAW TUBER QUALITY <sup>3</sup> (%)					COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC				
A12327-5VR	680	777	87	8	51	36	5	1.082	10	20	0	0	0.0	4.5	3.0	heavy russetting, blocky, oblong type, points in pickouts
AF5707-1	474	636	74	22	74	0	3	1.084	0	0	0	0	2.0	3.5	3.5	medium to heavy netted skin, nice flat oblong type
A09119-4LB	435	525	83	15	78	5	2	1.084	0	0	0	0	1.5	4.5	2.5	light russet skin, oval to oblong, poor appearance
AOR13064-2	424	566	75	20	73	2	5	1.095	0	20	0	0	0.0	5.0	3.0	slight growth crack, medium russet, oblong tuber type
AAF15010-1	422	524	81	16	81	0	3	1.096	10	0	0	0	1.5	4.0	4.5	heavy russet skin, smaller oblong type
AAF15086-5	399	470	85	12	76	9	3	1.083	0	10	0	0	1.5	4.5	4.5	nice appearance, flat oval to oblong type, moderate scab
AAF16069-2	382	452	85	14	79	5	1	1.088	20	0	0	0	0.0	4.0	3.5	very attractive appearance, flat oblong type
Reveille Russet	382	481	79	6	65	14	15	1.070	0	0	0	0	0.0	3.5	4.0	moderate growth crack, heavy russet skin, blocky, oblong tuber type
A11175-12TE	373	471	79	16	74	5	5	1.080	0	0	0	0	0.5	4.0	2.5	heavy russet skin, blocky oblong type
<b>Silverton Russet</b>	<b>354</b>	<b>420</b>	<b>84</b>	<b>11</b>	<b>78</b>	<b>7</b>	<b>4</b>	<b>1.075</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>4.5</b>	<b>3.0</b>	<b>flat oblong tuber type, medium russet skin, nice appearance</b>
Vanguard	350	477	73	26	71	2	1	1.064	0	0	0	0	0.0	3.0	2.5	light to medium netted skin, flat to oblong type
ATX15097-1Ru	299	419	71	20	69	3	9	1.086	0	10	10	0	1.0	3.0	3.5	flat blocky oblong to long type, not uniform, light russet skin
AAF16069-1	298	490	61	37	61	0	3	1.082	10	10	0	0	2.0	4.5	3.5	flat oblong to long type, light russet skin
CO10085-1Ru	295	361	82	12	71	11	6	1.087	0	0	0	0	0.5	5.0	3.0	flat oblong to long type, heavy russet skin
ATX15120-1Ru	279	386	72	16	69	3	11	1.084	0	0	10	0	0.0	4.5	2.0	medium to heavy russet skin, oblong type
AOR10204-3	278	440	63	16	57	6	21	1.073	0	0	10	0	0.5	4.5	2.5	severe growth crack, misshapen, very heavy russet skin
AF5735-8	269	460	59	41	59	0	1	1.081	10	0	0	0	1.5	4.0	3.5	flat oblong to long type, medium russet skin
A12303-4sto	256	470	54	39	54	0	7	1.089	0	0	0	0	0.5	3.5	4.5	many points, medium russet skin, not very uniform
<b>Goldrush</b>	<b>232</b>	<b>379</b>	<b>61</b>	<b>26</b>	<b>59</b>	<b>2</b>	<b>13</b>	<b>1.069</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>4.0</b>	<b>3.5</b>	<b>moderate points, medium russet skin, uniform oblong type</b>
AAF14025-2	231	384	60	38	60	0	2	1.106	0	0	0	0	1.5	3.0	4.5	flat oval to oblong type, light russet skin
<b>Russet Norkotah</b>	<b>206</b>	<b>361</b>	<b>57</b>	<b>35</b>	<b>57</b>	<b>0</b>	<b>8</b>	<b>1.079</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>3.0</b>	<b>3.0</b>	<b>slight alligator hide, smaller flat oblong type</b>
<b>MEAN</b>	<b>348</b>	<b>474</b>	<b>73</b>	<b>21</b>	<b>67</b>	<b>5</b>	<b>6</b>	<b>1.083</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0.7</b>	<b>4.1</b>	<b>3.3</b>	

<sup>1</sup>**SIZE**

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

<sup>2</sup>**SPECIFIC GRAVITY**

Data not replicated

<sup>3</sup>**RAW TUBER QUALITY**

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

<sup>4</sup>**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

<sup>5</sup>**VINE VIGOR RATING**

Date: 7/13/22  
Rating 1-5  
1: Slow emergence  
5: Early emergence (vigorous vine, some flowering)

<sup>6</sup>**VINE MATURITY RATING**

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

**FIELD DATA**

Planting Date	6/2/22
Vine Kill Date	9/2/22
Harvest Date	10/11/22
Days (planting to vine kill)	92
Days (planting to harvest)	131
GDD <sub>40</sub> MAWN Station	Kalkaska
GDD <sub>40</sub> (planting to vine kill)	2360
Seed Spacing	10"



# 2022 Russet Potato Variety Trial

## Lennard Ag. Co.

Planting: 4/28/22 Vine Kill: 9/14/22 Harvest: 9/16/22

GDD<sub>40</sub>: 3985

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>				RAW TUBER QUALITY <sup>3</sup> (%)						COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC				
AF5707-1	988	1131	87	8	73	14	5	1.078	50	0	0	0	0.0	3.5	3.5	
<b>Silverton Russet</b>	<b>745</b>	<b>838</b>	<b>89</b>	<b>6</b>	<b>56</b>	<b>33</b>	<b>5</b>	<b>1.069</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.5</b>	<b>3.5</b>	<b>3.0</b>	<b>flat blocky oblong type, nice appearance, slight bacterial breakdown</b>
A12327-5VR	731	869	84	8	49	35	8	1.077	60	0	20	0	0.0	3.0	3.5	dark skin, blocky oblong type
A13085-2	666	797	83	7	40	43	10	1.084	0	0	0	0	0.0	4.5	3.0	light to medium russet skin, tubular
W13008-1rus	657	716	92	4	49	43	4	1.071	0	0	0	0	0.5	4.0	3.5	blocky oblong type, moderate bacterial breakdown
W13A11229-1rus	653	801	82	13	73	9	5	1.089	50	0	0	0	0.0	3.0	3.0	moderate skinning, long tubular type
A11175-12TE	653	718	91	5	71	20	4	1.078	0	0	0	0	0.5	3.0	3.0	deeper eyes, medium russet skin, oblong blocky type
A09119-4LB	653	758	86	7	59	27	7	1.086	0	0	0	0	1.0	3.5	3.0	slight bacterial breakdown, long blocky type, moderate skinning
A12304-1sto	618	750	82	17	69	13	1	1.083	10	0	50	0	0.0	3.5	3.5	dark russet skin, oblong type, good appearance
Ranger Russet	606	832	73	13	67	6	14	1.083	0	0	0	0	0.0	3.0	3.0	long tubular type, deeper eye, medium russet skin, misshapen pickouts
A12303-4sto	593	768	77	21	72	5	2	1.089	0	0	20	0	0.0	2.5	3.5	medium russet skin, oblong to long type, severe skinning
AOR13064-2	559	659	85	8	56	29	7	1.085	70	0	10	0	0.0	3.5	3.5	blocky oblong type, acceptable appearance
A08433-4STO	548	742	74	7	54	20	19	1.078	40	0	0	0	0.0	2.5	3.5	medium russet skin, non uniform tuber type
AF6855-4	544	619	87	10	67	20	3	1.083	20	0	0	0	0.0	3.0	3.0	oval to oblong blocky type, medium russet skin, moderate skinning
<b>Russet Norkotah</b>	<b>539</b>	<b>728</b>	<b>74</b>	<b>11</b>	<b>61</b>	<b>13</b>	<b>15</b>	<b>1.078</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>2.0</b>	<b>3.0</b>	<b>non uniform type, dark russet skin, deeper eyes</b>
AF6814-1	518	619	84	8	38	46	8	1.082	0	0	0	0	1.0	2.5	3.5	oblong to long type, light to medium skin
AF6377-13	491	596	82	13	56	26	5	1.090	50	0	10	0	0.0	3.0	3.5	blocky oblong type, heavy dark skin
WAF17079-2	488	584	83	10	60	23	7	1.077	30	0	0	0	0.0	2.5	3.0	flat blocky type, good appearance
AF6750-3	488	635	77	16	66	11	7	1.075	0	0	0	0	0.0	3.0	3.5	medium to dark skin, blocky oblong type, moderate skinning
AF6749-3	479	613	78	9	70	8	13	1.079	20	0	0	0	0.5	3.0	3.5	non uniform type
AF5762-8	457	643	72	10	61	11	18	1.085	40	0	30	0	0.0	2.5	3.5	long tubular type, poor appearance, misshapen pickouts
COAF16277-4	426	451	94	5	58	36	1	1.071	0	0	0	0	0.0	2.5	3.0	flat oblong tuber type, medium russet skin
Reveille Russet	418	492	85	7	59	26	8	1.062	0	0	0	0	0.0	2.5	3.5	blocky oblong type, misshapen pickouts, moderate skinning
AOR10204-3	398	501	79	8	56	23	13	1.066	0	0	0	0	0.0	3.5	3.5	oblong type, dark russet skin, non uniform
Vanguard	343	470	73	24	73	0	3	1.059	0	0	0	0	0.0	2.5	3.0	oblong to long type, slight bacterial breakdown
Umatilla	327	584	56	23	54	2	21	1.084	0	0	0	0	0.5	2.5	3.0	medium russet skin, non uniform tuber type
CO10085-1RU	272	485	56	22	43	13	22	1.079	0	0	0	0	1.0	3.0	3.5	long tubular type, heavy netted skin, misshapen pickouts
<b>Goldrush</b>	<b>243</b>	<b>595</b>	<b>41</b>	<b>16</b>	<b>32</b>	<b>9</b>	<b>43</b>	<b>1.067</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>2.5</b>	<b>3.0</b>	<b>long tubular type, uniform, dark russet skin, misshapen pickouts</b>
A15008-2TE	224	314	71	25	65	6	4	1.058	0	0	50	0	0.5	3.0	3.5	small oblong type, dark skin
A06030-23	210	292	72	22	70	2	6	1.065	40	0	0	0	0.0	2.5	2.5	small oblong type, medium russet skin
A13036-1	176	300	58	34	56	2	8	1.067	0	0	0	0	0.5	2.5	3.0	small oblong type, med russet skin, non uniform
Russet Burbank	112	567	20	28	19	1	52	1.065	0	0	0	0	0.0	3.5	3.5	long type, medium russet skin, severe bottlenecks
<b>MEAN</b>	<b>495</b>	<b>640</b>	<b>76</b>	<b>13</b>	<b>58</b>	<b>18</b>	<b>11</b>	<b>1.076</b>	<b>16</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0.2</b>	<b>3.0</b>	<b>3.3</b>	

### <sup>1</sup>SIZE

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

### <sup>2</sup>SPECIFIC GRAVITY

Data not replicated

### <sup>3</sup>RAW TUBER QUALITY

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

### <sup>4</sup>COMMON SCAB RATING

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

### <sup>5</sup>VINE VIGOR RATING

Date: 6/10/22  
Rating 1-5  
1: Slow emergence  
5: Early emergence (vigorous vine, some flowering)

### FIELD DATA

Planting Date 4/28/22  
Vine Kill Date 9/14/22  
Harvest Date 9/16/22  
Days (planting to vine kill) 139  
Days (planting to harvest) 141  
GDD<sub>40</sub> MAWN Station Constantine  
GDD<sub>40</sub> (planting to vine kill) 3985  
Seed Spacing 10"

### <sup>6</sup>VINE MATURITY RATING

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

# 2022 Select Russet Potato Variety Trial

## Lennard Ag. Co.

Planting: 5/17/22 Vine Kill: 9/24/22 Harvest: 9/29/22

GDD<sub>40</sub>: 3844

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					RAW TUBER QUALITY <sup>3</sup> (%)					COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC				
A08433-4sto	642	712	90	9	75	15	1	1.079	0	0	0	0	0.0	2.0	2.5	deeper eyes, blocky type, nice russet skin
A12303-4sto	510	643	79	14	68	11	7	1.077	0	0	0	0	0.5	2.5	2.5	non uniform russet skin, points, less uniform type
A12304-1sto	689	840	82	15	74	8	3	1.089	0	0	30	0	0.5	1.5	3.0	oblong type, slight pointed tubers
A12327-5VR	653	784	83	7	53	30	10	1.081	10	0	10	0	1.5	2.0	3.0	growth cracks and knobs, nice skin
A13036-1	160	344	47	25	47	0	28	1.075	0	0	0	0	1.0	1.0	3.0	lots of growth crack and points, less uniform type, poor appearance
A15008-2TE	332	465	71	28	71	0	1	1.065	0	0	0	0	0.0	2.0	3.0	flat oblong to long type, heavy russet skin
AF5735-8	420	618	68	26	67	1	6	1.082	30	0	0	0	1.0	1.0	2.5	knobs, tubular type, medium russet skin
AF5762-8	529	591	89	7	79	10	4	1.096	10	0	0	0	0.0	1.0	3.0	blocky oblong type, heavy russet skin
<b>CO10085-1RU</b>	<b>635</b>	<b>810</b>	<b>78</b>	<b>11</b>	<b>63</b>	<b>15</b>	<b>11</b>	<b>1.089</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1.0</b>	<b>1.5</b>	<b>3.0</b>	<b>tubular, pointed, growth crack, darker russet skin</b>
Goldrush	325	538	61	19	59	2	20	1.068	0	0	0	0	0.0	2.0	3.0	growth crack, misshapen, tubular, poor appearance
Reveille Russet	472	530	89	6	55	34	5	1.069	0	0	0	0	0.0	1.0	3.0	growth crack and points in pickouts, medium russet skin, oblong type
Russet Norkotah	510	635	80	14	66	14	6	1.074	10	0	0	0	1.0	1.5	2.5	oblong to long type, heavy russet skin type
Silverton Russet	568	645	89	7	58	31	4	1.069	40	0	10	0	0.5	2.0	2.5	medium russet skin, blocky oblong type
Umatilla	466	687	68	22	62	6	10	1.083	0	0	0	0	0.5	1.5	2.5	misshapen pickouts
Vanguard	576	672	86	8	76	10	6	1.066	0	0	0	0	0.0	1.0	3.0	variable skin
W13008-1rus	608	678	89	7	68	21	4	1.080	0	0	0	0	0.5	2.0	2.5	moderate alligator hide
<b>W13A1129-1rus</b>	<b>599</b>	<b>685</b>	<b>88</b>	<b>9</b>	<b>82</b>	<b>6</b>	<b>3</b>	<b>1.092</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.5</b>	<b>1.0</b>	<b>3.0</b>	<b>pinkeye disease, alligator hide, flat long tubular type</b>
<b>MEAN</b>	<b>512</b>	<b>640</b>	<b>79</b>	<b>14</b>	<b>66</b>	<b>13</b>	<b>8</b>	<b>1.078</b>	<b>6</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0.5</b>	<b>1.6</b>	<b>2.8</b>	

### <sup>1</sup>SIZE

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

### <sup>2</sup>SPECIFIC GRAVITY

Data not replicated

### <sup>3</sup>RAW TUBER QUALITY

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

### <sup>4</sup>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

### <sup>5</sup>VINE VIGOR RATING

Date: 6/10/22  
Rating 1-5  
1: Slow emergence  
5: Early emergence (vigorous vine, some flowering)

### FIELD DATA

Planting Date 5/17/22  
Vine Kill Date 9/24/22  
Harvest Date 9/29/22  
Days (planting to vine kill) 130  
Days (planting to harvest) 135  
GDD<sub>40</sub> MAWN Station Constantine  
GDD<sub>40</sub> (planting to vine kill) 3844  
Seed Spacing 10"

### <sup>6</sup>VINE MATURITY RATING

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

# 2022 Russet Potato Variety Trial

## Sandyland Set 1

Planting: 5/23/22 Vine Kill: 9/1/22 Harvest: 10/20/22  
GDD<sub>40</sub>: 2842

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					RAW TUBER QUALITY <sup>3</sup> (%)					COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC				
Reveille Russet	640	699	92	7	67	25	1	1.067	0	0	0	0	0.0	3.0	3.0	nice appearance, misshapen pickouts
Silverton Russet	364	395	92	6	62	30	2	1.068	10	0	0	0	0.0	3.0	3.0	nice russet skin, misshapen pickouts
Vanguard	339	430	78	18	76	2	4	1.061	0	0	0	0	0.5	2.0	2.5	thin skin, misshapen pickouts
<b>MEAN</b>	<b>447</b>	<b>508</b>	<b>87</b>	<b>10</b>	<b>68</b>	<b>19</b>	<b>2</b>	<b>1.065</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>	<b>2.7</b>	<b>2.8</b>	

**<sup>1</sup>SIZE**

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

**<sup>2</sup>SPECIFIC GRAVITY**

Data not replicated

**<sup>3</sup>RAW TUBER QUALITY**  
(percent of tubers out of 10)

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

**<sup>4</sup>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

**<sup>5</sup>VINE VIGOR RATING**

Date: 6/23/22  
Rating 1-5  
1: Slow emergence  
5: Early emergence (vigorous vine, some flowering)

**FIELD DATA**

Planting Date 5/23/22  
Vine Kill Date 9/1/22  
Harvest Date 10/20/22  
Days (planting to vine kill) 101  
Days (planting to harvest) 150  
GDD<sub>40</sub> MAWN Station Entrican  
GDD<sub>40</sub> (planting to vine kill) 2842  
Seed Spacing 10"

**<sup>6</sup>VINE MATURITY RATING**

Date: 8/11/22  
Rating 1-5  
1: Early (vines completely dead)  
5: Late (vigorous vines, some flowering)

# 2022 Russet Potato Variety Trial

## Styma Potato Farms

Planting: 6/1/22 Vine Kill: 9/14/22 Harvest: 10/3/22  
GDD<sub>40</sub>: 2703

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					RAW TUBER QUALITY <sup>3</sup> (%)					COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC				
A12327-5VR	738	764	97	1	44	53	2	1.083	0	0	0	0	0.0	4.0	3.0	very blocky oblong type, heavy russet skin, slight alligator hide
AF6551-4	632	666	94	6	48	46	0	1.083	0	0	0	0	0.5	5.0	4.0	rounder russet type
A12304-1sto	574	675	85	15	79	6	0	1.090	0	0	0	0	0.5	4.0	3.5	uniform oblong tuber type, nice appearance
A08433-4sto	515	598	86	14	80	6	0	1.089	0	0	0	0	0.5	4.5	4.5	flat oblong type, medium netted skin, nice appearance
A09119-4LB	497	614	81	13	68	13	6	1.097	0	0	0	0	2.0	5.0	3.5	medium russet skin, flat type, knobs, variable skin
AF6298-2	471	523	90	7	90	0	3	1.087	0	10	0	0	0.5	4.5	3.5	<b>flat oblong blocky type, light to medium netted skin</b>
A13085-2	470	555	85	11	71	14	4	1.093	0	0	0	0	0.0	4.5	2.0	heavy russetting, blocky oblong type, slight alligator hide
AF6377-10	439	463	95	4	58	36	2	1.076	0	0	0	0	0.0	4.5	3.5	blocky oblong type, heavy russet skin
W13A11229-1RUS	435	521	83	15	81	3	1	1.096	0	0	0	0	0.5	4.0	3.5	trace alligator hide, flat oblong type
A15008-2TE	433	492	88	10	77	11	2	1.085	10	0	0	0	0.5	4.0	2.5	oval to oblong type, heavy russet skin, slight alligator hide
AF5707-1	431	520	83	16	74	9	1	1.085	20	0	0	0	1.0	4.0	4.5	nice appearance, oblong type, heavy russet skin
W13008-1RUS	426	477	89	9	74	15	3	1.086	0	5	5	0	0.0	4.8	3.0	flat oblong to long type, severe alligator hide
AF6340-6	419	509	82	15	79	3	3	1.070	0	0	0	0	0.5	4.0	2.5	medium russet skin, blocky oblong type
<b>Goldrush</b>	<b>419</b>	<b>497</b>	<b>84</b>	<b>11</b>	<b>72</b>	<b>13</b>	<b>4</b>	<b>1.077</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>4.0</b>	<b>3.5</b>	<b>flat oblong type, heavy russet skin</b>
A11175-12TE	411	456	90	9	75	16	0	1.088	0	0	0	0	0.0	5.0	3.5	flat blocky oblong type, medium netted skin, nice appearance
Reveille Russet	403	462	87	6	66	21	7	1.074	0	0	0	0	0.0	4.0	3.5	growth crack and misshapen pickouts, flat blocky type
<b>Russet Norkotah</b>	<b>373</b>	<b>520</b>	<b>72</b>	<b>21</b>	<b>68</b>	<b>4</b>	<b>7</b>	<b>1.084</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>4.0</b>	<b>3.0</b>	
AF5762-8	369	438	84	14	83	2	1	1.098	0	0	0	0	0.0	4.5	3.0	heavy russet skin, flat oval to oblong type
A12303-4sto	356	478	74	19	69	5	7	1.095	0	10	0	0	0.0	4.0	4.0	heavy russet skin, flat oblong to long type
AF6377-13	345	387	89	11	74	15	0	1.095	0	0	0	0	0.0	4.5	2.5	nice skin and appearance
<b>Silverton Russet</b>	<b>343</b>	<b>384</b>	<b>89</b>	<b>8</b>	<b>58</b>	<b>31</b>	<b>3</b>	<b>1.072</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>1.0</b>	<b>4.5</b>	<b>4.0</b>	<b>slight alligator hide</b>
CO10085-1RU	340	512	67	21	66	1	12	1.095	0	0	0	0	1.0	4.5	4.0	long tubular type, medium to heavy russet, misshapen pickouts
A13036-1	330	423	78	15	74	4	7	1.088	0	0	0	0	0.5	4.5	3.0	purple anthocyanins at ends, inconsistent tuber shape, poor appearance
Ranger Russet	313	464	67	27	67	1	5	1.092	0	0	0	0	1.0	4.0	4.0	long tubular type, medium to heavy russet skin
AF6465-7	304	426	71	23	69	2	6	1.087	0	0	0	0	0.0	4.5	2.5	heavy russet skin, rough appearance, deeper eyes
Vanguard	283	331	86	14	83	2	1	1.071	0	0	0	0	0.0	4.0	3.0	stem end purple blushing, uniform flat oblong type
A06030-23	274	326	84	12	78	6	4	1.084	10	0	0	0	0.5	4.5	3.0	pinecones, growth crack, poor appearance
AF5735-8	227	256	88	8	75	13	4	1.083	50	0	0	0	0.0	3.5	3.5	long type, heavy netted skin, large tubers
ATX10007-3RU	209	318	66	29	63	3	5	1.080	0	0	0	0	0.0	3.5	2.5	variable russet skin, poor appearance
<b>MEAN</b>	<b>406</b>	<b>485</b>	<b>83</b>	<b>13</b>	<b>71</b>	<b>12</b>	<b>3</b>	<b>1.086</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0.4</b>	<b>4.3</b>	<b>3.3</b>	

<sup>1</sup>**SIZE**

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

<sup>2</sup>**SPECIFIC GRAVITY**

Data not replicated

<sup>3</sup>**RAW TUBER QUALITY**

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

<sup>4</sup>**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

<sup>5</sup>**VINE VIGOR RATING**

Date: 7/14/22  
Rating 1-5  
1: Slow emergence  
5: Early emergence (vigorous vine, some flowering)

<sup>6</sup>**VINE MATURITY RATING**

Date: 8/29/22  
Rating 1-5  
1: Early (vines completely dead)  
5: Late (vigorous vines, some flowering)

**FIELD DATA**

Planting Date 6/1/22  
Vine Kill Date 9/14/22  
Harvest Date 10/3/22  
Days (planting to vine kill) 105  
Days (planting to harvest) 124  
GDD<sub>40</sub> MAWN Station Hawks  
GDD<sub>40</sub> (planting to vine kill) 2703  
Seed Spacing 10"

## 2022 Russet Potato Variety Trial Walther Farms NFPT and Added Lines

Planting: 4/29/22 Vine Kill: 8/31/22 Harvest: 9/28/22

GDD<sub>40</sub>: 3573

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					RAW TUBER QUALITY <sup>3</sup> (%)					COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC				
A15053-17	669	821	82	9	70	12	9	1.068	0	0	0	0	0.5	3.0	2.5	light russet skin, knobs, alligator hide, flat tubular type
A10861-3CR	611	700	87	8	74	14	4	1.077	10	0	40	0	1.5	3.0	2.5	variable skin color, misshapen pickouts
AAF15010-1	611	739	83	23	70	1	6	1.100	0	0	0	0	1.0	3.0	3.0	moderate alligator hide, less uniform type
A12303-4sto	593	744	80	26	70	3	1	1.081	0	0	0	0	0.0	2.5	2.5	heavy russet skin, flat oblong pointed type
A12305-2adg	589	779	76	5	61	15	19	1.072	0	0	0	0	0.5	3.0	2.5	long tubular type, points, slight alligator hide, growth cracks
AF5736-16	571	597	96	3	86	10	1	1.092	0	0	0	20	0.0	2.5	3.0	silverton type, flat blocky oblong, nice
A15041-13	555	602	92	4	50	42	4	1.071	10	0	0	0	0.5	2.5	2.5	oblong blocky type, deeper eyes, acceptable appearance
W17079-16rus	543	667	81	11	61	19	9	1.079	30	0	0	0	0.5	2.5	3.0	flat oblong tuber type, heavy russet skin
W17081-2rus	538	754	71	9	67	6	18	1.077	0	0	40	0	1.5	3.5	3.0	light russet, tubular, bottlenecking
ND1412Y-5Russ	534	630	85	7	71	14	8	1.085	0	0	0	0	1.0	3.0	3.0	points, medium russet skin
AF6377-12	528	611	86	10	68	19	3	1.078	10	0	0	0	0.5	2.5	2.5	slight alligator hide, apical growth cracks, dark russet skin
A15102-11	517	650	80	14	72	7	7	1.084	0	0	50	0	1.0	3.0	2.5	moderate silver scurf, light russet, tubular
A13085-2	511	606	84	15	59	9	17	1.073	0	0	0	0	0.5	2.5	2.0	acceptable appearance, medium russet skin, tubular
A13036-1	504	648	78	29	65	0	6	1.080	0	0	0	0	0.0	3.5	2.5	nice skin, heat sprouts, misshapen pickouts, prominent eyes
A15094-11	499	820	61	21	59	2	18	1.067	0	0	0	0	1.0	3.5	3.0	misshapen, growth cracks, light variable skin, poor appearance
AF6441-3	499	599	83	10	74	9	7	1.071	0	0	0	0	0.5	3.5	3.0	apical sprouting, dark russet skin, flat long type, poor appearance
A15094-13	490	711	69	11	66	3	20	1.065	0	0	0	0	0.0	3.0	3.0	very tubular type, bottlenecking, growth cracks, light russet skin
W17099-6rus	488	911	54	29	32	1	38	1.065	0	0	0	0	1.5	3.5	3.0	very tubular type, misshapen, poor appearance
A12304-1sto	476	654	73	32	57	1	10	1.079	0	0	20	0	0.5	3.0	2.5	flattened tubular type, growth cracks in pickouts, good appearance
AF6314-12	475	563	84	11	64	20	5	1.077	10	0	40	0	0.0	3.0	2.5	variable skin, moderate alligator hide, marginal appearance
A15057-2TE	466	528	88	12	79	9	0	1.068	0	0	0	0	0.0	3.0	3.0	flat blocky oblong type, very nice appearance
A09136-9LB	460	556	83	12	56	27	5	1.089	0	0	0	0	0.0	3.0	2.5	flat oblong type, silverton type, medium netted skin, good appearance
A11887-5adg	440	599	73	13	69	5	13	1.064	0	0	0	0	1.5	3.0	2.5	variable tubular tuber type, bottlenecking, poor appearance
A16117-4	430	570	75	7	46	29	18	1.080	0	0	0	20	1.5	3.5	3.0	tubular, growth crack, marginal appearance
A13074-1TE	426	607	70	15	63	7	15	1.083	0	0	0	0	0.0	3.0	2.0	nice skin, poor type, apical growth cracks and alligator hide
A15175-1	423	697	61	20	60	1	19	1.077	0	0	0	0	0.5	3.0	2.5	tubular type, bottlenecking, light variable russet skin
A13038-3	421	560	75	10	70	5	15	1.071	0	0	0	0	0.5	1.5	3.0	very tubular type, too many eyes
AF6377-13	411	568	72	13	74	3	10	1.080	10	0	0	0	0.0	2.5	3.0	heavy russet, less uniform type, apical alligator hide and growth crack
A16051-3	404	573	70	15	64	7	14	1.063	0	0	0	0	1.0	3.0	3.0	light russet skin, growth cracks, alligator hide, bottlenecking
A15082-9	398	511	78	13	74	3	10	1.072	0	0	0	0	0.5	3.5	2.0	moderate silver scurf, misshapen tubers, tubular type
AF5521-1	394	473	83	14	74	10	2	1.085	0	0	30	0	0.5	2.5	3.0	good appearance
AF6298-2	390	530	74	16	73	10	1	1.076	10	0	0	0	0.5	3.0	2.5	non uniform type, pointed tubers
A12327-5	389	703	55	8	41	14	37	1.076	0	0	0	0	0.0	3.5	2.5	medium to heavy netted skin, growth crack, bottlenecks,
A16088-1	384	435	88	8	71	17	4	1.063	0	0	0	0	0.5	2.5	2.0	moderate alligator hide, nice skin, flat oblong type
AF6384-2	381	534	71	17	54	18	11	1.063	40	0	0	0	0.5	3.0	3.0	variable type, slight alligator hide, growth cracks
COA15494-8	376	453	83	15	72	3	10	1.067	30	0	10	0	0.0	2.5	2.5	alligator hide, heavy russet skin, elongated type
CO13003-1RU	370	491	75	21	71	5	3	1.070	20	0	0	20	0.0	3.0	2.5	oblong tuber type, medium russet skin, good appearance
W17094-3rus	365	657	56	16	44	7	33	1.080	0	0	0	0	0.0	1.5	2.5	very poor type and appearance
Ranger Russet	362	620	58	34	51	0	15	1.083	10	0	0	0	1.0	2.5	3.0	tubular, bottlenecks, light skin
AF6434-1	361	637	57	8	54	3	35	1.070	0	0	0	0	1.0	2.5	2.5	knobs, misshapen, uneven light russet skin, tubular
AFA5661-8	359	514	70	19	68	2	11	1.076	0	0	0	0	0.5	2.5	3.0	light russet skin, apical growth cracks, alligator hide
NDAF13242B-3	358	558	64	34	64	0	2	1.078	0	0	0	0	1.5	2.5	3.0	tubular type, light russet skin
W17098-19rus	357	735	49	19	46	8	27	1.076	0	0	0	0	1.0	3.0	3.0	very tubular type, poor appearance, growth cracks, alligator hide

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					RAW TUBER QUALITY <sup>3</sup> (%)						COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC					
A15258-1	351	542	65	14	60	5	21	1.062	0	0	0	0	0.5	2.5	3.0	long tubular type, light russet skin, bottlenecking	
ND1413YB-1Russ	350	434	81	10	58	23	9	1.078	80	0	0	0	1.0	3.0	3.0	oblong tubular type, light to medium russet skin	
A15254-5	338	662	51	11	46	5	38	1.075	0	0	20	0	0.5	3.0	2.5	tubular, misshapen, medium russet skin	
A15399-2LB	335	755	44	24	44	0	32	1.074	0	0	0	0	1.0	3.0	3.0	growth cracks, heat sprouts, points, misshapen tubers	
A15121-2TE	329	542	61	17	61	0	22	1.092	0	0	0	0	0.0	3.0	2.5	heavy russet skin, tubular, not uniform, bottlenecking, growth cracks	
A15190-8CR	321	653	49	22	47	2	29	1.070	0	0	0	0	0.0	3.0	2.5	tubular, bottlenecks, light skin	
A16137-6sto	296	429	69	28	68	1	3	1.065	0	0	0	0	1.0	2.5	3.0	oblong tuber type, light russet skin, trace of alligator hide	
AF6338-6	277	655	42	22	38	4	36	1.056	0	0	0	0	0.0	3.0	2.5	very tubular type, bottlenecking, growth cracks	
AAF10596-1	277	495	56	29	52	4	15	1.078	0	0	0	0	0.5	3.0	3.0	variable russet skin and type, silver scurf	
COTX08063-2Ru	264	463	57	43	57	0	0	1.089	0	0	0	0	1.0	3.5	2.5	moderate alligator hide, long tubular type, medium russet skin	
AF5762-8	235	376	62	17	75	5	3	1.069	0	0	20	0	0.5	2.5	3.0	flat blocky oblong type, medium russet skin, deeper eyes	
AC12090-3RU	229	433	53	31	52	1	16	1.061	0	0	0	0	0.0	2.5	2.5	not uniform tubular type, heavy russet skin, pink blush on skin	
A15051-1T	221	616	36	29	34	2	35	1.074	0	0	0	0	0.0	3.0	3.0	very tubular, bottlenecks, misshapen tubers	
A16048-3	168	408	41	23	38	3	36	1.060	0	0	0	0	0.5	3.0	3.0	tubular, rough, alligator hide, light skin	
<b>Russet Burbank</b>	<b>77</b>	<b>471</b>	<b>16</b>	<b>37</b>	<b>24</b>	<b>0</b>	<b>39</b>	<b>1.067</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>2.5</b>	<b>3.0</b>	<b>long tubular type, severe bottle necking</b>	
AAF15086-5	602	712	85	11	69	16	4	1.077	0	0	0	0	1.0	2.5	2.5	blocky oblong tuber type, medium russet skin, good appearance	
AF6855-4	540	653	83	12	76	7	5	1.081	0	0	0	0	1.0	3.0	2.5	nice appearance, blocky oblong type	
AF6814-1	455	533	85	5	69	17	9	1.081	0	0	0	0	1.0	2.5	3.0	flat oblong to long type, medium netted skin, pointed tubers	
AF6750-3	421	538	78	8	60	18	14	1.065	10	0	0	0	0.0	2.5	3.0	blocky oblong to long type, pointed tubers, acceptable appearance	
WAF17079-2	366	485	75	15	73	3	9	1.072	0	0	0	0	0.0	2.0	2.5	dark russet skin, nice appearance, flat oblong type	
AAF16069-2	363	544	67	22	65	2	11	1.080	0	0	30	10	0.0	2.0	2.5	good appearance, tubular, trace growth crack and alligator hide	
COAF16277-4	328	356	92	3	75	17	5	1.069	0	0	0	0	0.0	2.5	3.0	blocky oblong type, medium netted skin, trace growth crack	
AAF16069-1	323	576	56	32	50	6	12	1.065	0	0	40	0	0.5	2.5	3.0	not uniform, tubular, growth cracks	
AF6749-3	249	500	50	19	48	2	31	1.073	0	0	0	0	1.0	2.0	3.0	growth crack, alligator hide, rough tubular appearance	
A10611-3adg	192	529	36	26	36	0	38	1.077	0	0	0	0	0.5	2.0	2.5	growth crack, tubular, less uniform, bottlenecks	
<b>MEAN</b>	<b>409</b>	<b>592</b>	<b>69</b>	<b>17</b>	<b>60</b>	<b>8</b>	<b>15</b>	<b>1.074</b>	<b>4</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>0.5</b>	<b>2.8</b>	<b>2.7</b>		

<sup>1</sup>**SIZE**  
**Russets**  
Bs: < 4 oz  
As: 4 - 10 oz  
OV: > 10 oz  
PO: Pickouts

<sup>2</sup>**SPECIFIC GRAVITY**  
Data not replicated

<sup>3</sup>**RAW TUBER QUALITY**  
**(percent of tubers out of 10)**  
HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

<sup>4</sup>**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

**FIELD DATA**  
Planting Date 4/29/22  
Vine Kill Date 8/31/22  
Harvest Date 9/28/22  
Days (planting to vine kill) 124  
Days (planting to harvest) 152  
GDD<sub>40</sub> MAWN Station Mendon  
GDD<sub>40</sub> (planting to vine kill) 3573  
Seed Spacing 10"

<sup>5</sup>**VINE VIGOR RATING**  
Date: 6/10/22  
Rating 1-5  
1: Slow emergence  
5: Early emergence (vigorous vine, some flowering)

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

Varieties below the dashed line are added lines

## 2022 Replicated Russet Potato Variety Trial Walther Farms Norkotah Fertility Trial

Planting: 4/29/22 Vine Kill: 8/31/22 Harvest: 9/28/22  
GDD<sub>40</sub>: 3573

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					RAW TUBER QUALITY <sup>3</sup> (%)						COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC					
Reveille Russet	643	694	93	4	64	29	3	1.065	0	0	7	0	0.0	2.3	2.5	nice appearance, blocky oblong type, medium russet skin, trace knobs	
AF6377-10	612	647	95	4	57	38	1	1.071	0	0	3	0	0.0	2.5	2.2	flat blocky oblong type, heavy russet skin, deeper eyes	
<b>Silverton Russet</b>	<b>595</b>	<b>676</b>	<b>88</b>	<b>9</b>	<b>72</b>	<b>16</b>	<b>3</b>	<b>1.067</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>3</b>	<b>0.2</b>	<b>3.7</b>	<b>2.7</b>	<b>nice appearance, medium russet skin, blocky oblong type</b>	
AF6340-6	584	695	84	13	77	7	3	1.061	0	0	0	0	0.3	3.5	2.0	flat oblong type, silver scurf, medium russet skin	
Vanguard	543	668	81	9	80	2	9	1.060	0	0	0	0	0.0	3.3	2.2	flat oblong type, medium to heavy russet skin, uniform, good appearance	
AOR10204-3	539	675	80	4	44	36	16	1.068	7	0	0	3	0.3	3.2	2.7	prominent eyes, blocky type, non uniform, lenticels, heavy russet skin	
AF6377-13	517	661	78	10	59	17	14	1.081	7	0	0	0	0.0	3.0	2.8	oblong to long tubular type, heavy russet skin, alligator hide, growth crack	
A08433-4sto	510	683	74	13	68	7	12	1.074	0	0	0	3	0.5	3.0	3.0	flat oval to long type, medium russet skin	
A12303-4sto	503	702	72	18	69	5	8	1.076	0	0	0	0	0.3	2.7	3.0	variable type, slight silver scurf, alligator hide, growth cracks on apical ends	
A11175-12TE	481	598	80	10	76	5	9	1.071	0	0	0	0	0.3	3.0	2.0	slight heat sprouts, non uniform, growth crack, pointed tubers, deeper eyes	
A10071-1	475	609	78	17	76	2	5	1.071	0	0	0	0	0.0	4.2	2.7	flat oblong uniform type, prominent eyes, slight alligator hide	
AF5707-1	475	702	68	27	64	3	6	1.076	0	0	0	0	0.5	3.3	2.3	flat oblong type, silverton appearance, points, growth crack, alligator hide, darker skin	
AF6298-2	474	617	77	18	70	4	8	1.083	3	0	0	3	0.3	2.5	2.3	non uniform, flat oblong type, moderate alligator hide	
COA15494-8	440	595	74	18	73	4	5	1.069	0	0	20	0	0.0	3.2	2.3	dark russet skin, flat blocky type, alligator hide, slight bottleneck	
W17079-16rus	440	583	75	13	66	10	11	1.083	0	0	0	0	0.3	2.8	3.0	non uniform, marginal appearance, slight alligator hide	
W17081-2rus	432	640	67	9	59	8	24	1.074	0	0	30	0	0.8	3.7	2.7	poor tubular type, light russet skin, growth crack, knobs and bottlenecks	
W13A11229-1rus	426	627	68	26	67	1	6	1.079	3	0	0	3	0.5	3.5	2.8	silver scurf, tubular type, medium russet skin	
AF5762-8	420	549	76	24	65	6	5	1.088	7	0	57	0	0.2	2.7	2.7	flat blocky oblong type, slight pineconing, good appearance	
W13008-1rus	419	551	76	13	69	7	11	1.070	0	0	0	0	0.5	3.8	2.2	silverton appearance, apical growth cracks, long tubular type, netted skin	
W17098-43rus	418	734	57	28	56	1	15	1.073	10	0	0	0	0.5	3.5	3.0	medium russet skin, bottlenecking, growth crack, alligator hide	
A15008-2TE	415	552	75	15	68	7	10	1.063	0	0	23	0	0.0	3.3	2.2	flat oblong type, nice appearance, heavy dark russet skin	
A10595-13sto	405	551	73	18	68	5	9	1.075	7	0	0	0	0.8	3.5	2.2	alligator hide, flat tubular type, light russet skin, non uniform	
AOR13064-2	403	513	78	15	64	14	7	1.082	7	0	17	0	0.3	4.0	2.8	medium russet skin, oblong	
CO10085-1RU	402	588	68	21	65	3	11	1.085	3	0	10	0	0.8	3.0	3.0	non uniform, longer tubular shape	
A09119-4LB	401	567	71	17	67	4	12	1.077	0	0	0	0	0.3	3.5	2.3	flat oblong to long type, growth crack, alligator hide, slight points	
A12327-5VR	370	677	55	9	47	8	36	1.072	3	0	10	0	0.0	3.5	2.8	nice skin, many misshapen tubers with pointed ends	
Goldrush	362	667	54	18	53	1	28	1.063	0	0	0	0	0.0	3.3	2.0	tubular type, non uniform, heavy russet skin, growth crack, bottlenecking	
AF6465-7	357	623	57	18	55	2	25	1.071	0	0	7	0	0.2	3.5	2.3	bottlenecks, alligator hide, points, knobs, heavy russet skin	
A06030-23	348	478	73	15	66	7	12	1.076	3	0	0	0	0.0	2.3	2.2	growth crack, non uniform, moderate alligator hide	
A12304-1sto	348	599	58	31	62	1	6	1.076	0	0	30	3	0.7	3.3	2.7	flat oblong to long type, trace alligator hide in growth cracks	
AAF15010-1	345	500	69	23	67	6	4	1.090	0	0	0	0	0.7	3.3	3.2	alligator hide, growth crack, flat oblong type	
W17099-6rus	337	744	44	20	46	5	29	1.069	3	0	0	0	1.0	4.0	2.8	poor appearance, very tubular type, severe bottlenecking	
W17094-3rus	313	587	53	16	47	8	29	1.078	0	0	0	0	0.7	2.7	3.2	poor appearance, variable type, alligator hide, growth crack	
A13085-2	312	490	64	22	65	5	8	1.080	10	0	0	0	0.2	3.7	2.5	growth crack, alligator hide, non uniform, deeper eyes	
A11737-1LB	311	503	61	29	61	0	10	1.071	0	0	0	0	1.0	2.5	2.3	severe alligator hide and scurf, oblong to long tuber type, light russet skin	
AF5735-2	293	590	50	43	49	1	7	1.072	0	0	0	0	1.2	3.2	2.0	medium russet skin, flat oblong tubular type	
W17098-19rus	284	657	43	23	40	1	36	1.078	0	0	0	0	0.3	3.7	2.8	tubular type, bottlenecking, growth crack, heavy russet skin	
<b>Russet Norkotah</b>	<b>281</b>	<b>576</b>	<b>49</b>	<b>22</b>	<b>46</b>	<b>2</b>	<b>30</b>	<b>1.068</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>2.5</b>	<b>2.3</b>	<b>oblong to long type, bottlenecking, knobs</b>	
W17091-12rus	276	563	48	34	45	3	18	1.064	3	0	0	3	0.7	3.7	3.3	moderate alligator hide, heavy russet skin, growth crack, non uniform	
Ranger Russet	259	611	42	29	42	2	27	1.077	0	0	0	0	0.7	3.3	3.2	long tubular type, deeper eyes, poor appearance, growth crack, bottlenecking	
A13036-1	246	429	57	29	56	5	10	1.073	0	0	0	0	0.3	3.0	2.3	alligator hide, heat sprouts, medium russet skin	
Umatilla	223	623	36	19	35	0	46	1.078	0	0	0	0	0.3	3.0	2.7	tubular type, apical knobs, growth crack, bottlenecking, deeper eyes	
AAF14025-2	197	524	38	53	38	0	9	1.087	0	0	3	0	0.5	3.8	3.2	bottlenecks, silver scurf, non uniform, tubular light to medium skin	
Russet Burbank	131	610	22	31	19	0	50	1.070	0	0	0	0	0.2	3.5	2.2	tubular type, medium russet skin, severe bottlenecking	
<b>MEAN</b>	<b>405</b>	<b>607</b>	<b>66</b>	<b>19</b>	<b>60</b>	<b>7</b>	<b>14</b>	<b>1.074</b>	<b>2</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>0.4</b>	<b>3.2</b>	<b>2.6</b>		

**1SIZE**

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

**2SPECIFIC GRAVITY**

Data is replicated

**3RAW TUBER QUALITY**

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

**4COMMON SCAB RATING**

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

**5VINE VIGOR RATING**

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

**FIELD DATA**

Planting Date 4/29/22  
 Vine Kill Date 8/31/22  
 Harvest Date 9/28/22  
 Days (planting to vine kill) 124  
 Days (planting to harvest) 152  
 GDD<sub>40</sub> MAWN Station Mendon  
 GDD<sub>40</sub> (planting to vine kill) 3573  
 Seed Spacing 10"

**6VINE MATURITY RATING**

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



# 2022 Russet Potato Variety Trial

## Verbrigghe Potato Farms

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

GDD<sub>40</sub>: 2633

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>						RAW TUBER QUALITY <sup>3</sup> (%)				COMMON SCAB RATING <sup>4</sup>	VINE VIGOR <sup>5</sup>	VINE MATURITY <sup>6</sup>
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR <sup>2</sup>	HH	VD	IBS	BC			
A12327-5VR	584	642	91	8	47	44	1	1.075	0	0	0	0	0.0	4.5	4.0
CO10085-1RU	402	463	87	12	65	22	1	1.084	0	0	0	0	0.0	3.5	3.5
Reveille Russet	383	391	98	2	50	48	0	1.076	0	0	0	0	0.0	2.5	4.0
A08433-4STO	351	399	88	12	55	33	0	1.076	0	0	0	0	0.0	2.5	4.5
AF5707-1	331	375	88	11	77	11	1	1.082	0	0	0	0	0.0	3.0	3.5
<b>Russet Norkotah</b>	<b>233</b>	<b>303</b>	<b>77</b>	<b>23</b>	<b>57</b>	<b>20</b>	<b>0</b>	<b>1.071</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>2.0</b>	<b>3.5</b>
<b>MEAN</b>	<b>381</b>	<b>429</b>	<b>88</b>	<b>11</b>	<b>59</b>	<b>30</b>	<b>1</b>	<b>1.077</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>3.0</b>	<b>3.8</b>

**<sup>1</sup>SIZE**

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

**<sup>2</sup>SPECIFIC GRAVITY**

Data not replicated

**<sup>3</sup>RAW TUBER QUALITY**

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

**<sup>4</sup>COMMON SCAB RATING**

0.0: Complete absence of surface or pitted lesions  
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3.0: Pitted lesions common on tubers  
4.0: Pitted lesions severe on tubers  
5.0: More than 50% of tuber surface area covered in pitted lesions

**<sup>5</sup>VINE VIGOR RATING**

Date: 7/15/22  
Rating 1-5  
1: Slow emergence  
5: Early emergence

**FIELD DATA**

Planting Date 6/1/22  
Vine Kill Date 9/15/22  
Harvest Date 10/13/22  
Days (planting to vine kill) 106  
Days (planting to harvest) 134  
GDD<sub>40</sub> MAWN Station Escanaba  
GDD<sub>40</sub> (planting to vine kill) 2633  
Seed Spacing 10"

**<sup>6</sup>VINE MATURITY RATING**

Date: 8/30/22  
Rating 1-5  
1: Early (vines completely dead)  
5: Late (vigorous vines, some flowering)

## 2022 Russet Potatoes Bulk Planting Test Digs

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>				SP GR <sup>2</sup>	Stand Count	Stem Count	Bs	As	OV	PO	Total Tubers	Tubers per Plant	Tubers per Stem	Average Tuber Weight	RAW TUBER QUALITY <sup>3</sup> (%)				COMMON SCAB RATING <sup>4</sup>	
	US#1	TOTAL	US#1	Bs	As	OV												PO	HH	VD	IBS	BC	
Silverton Russet Walther Farms	566	633	89	8	41	48	3	1.066	10	26	23	37	25	5	90	8.2	2.6	7.3	0	10	30	0	0.0
<b>A08433-4sto</b> Lennard Ag. Co.	537	689	78	7	49	29	15	1.071	8	24	39	61	16	19	135	16.9	5.6	5.3	10	0	0	0	0.0
Russet Norkotah <b>S8</b> , Lennard Ag. Co.	381	484	79	10	49	30	11	1.076	7	27	31	46	11	8	96	13.7	3.6	5.2	10	0	0	0	0.0
<b>CO10085-1RU</b> Lennard Ag. Co.	380	474	80	18	66	14	2	1.078	7	27	51	60	6	3	120	17.1	4.4	4.1	0	0	0	0	0.0
Silverton Russet Yoder	356	451	79	11	72	7	10	1.063	11	43	58	45	3	8	114	10.4	2.7	4.1	10	20	0	0	0.0
<b>CO10085-1RU</b> Walther Farms	327	492	66	31	59	7	3	1.081	12	47	61	50	3	4	118	9.8	2.5	4.3	0	30	20	10	0.0
<b>CO10085-1RU</b> Yoder	296	432	69	25	56	13	6	1.081	9	41	57	41	5	3	106	11.8	2.6	4.2	0	30	0	0	0.0
<b>MEAN</b>	<b>386</b>	<b>481</b>	<b>80</b>	<b>14</b>	<b>64</b>	<b>16</b>	<b>6</b>	<b>1.079</b>	<b>9</b>	<b>31</b>	<b>40</b>	<b>56</b>	<b>7</b>	<b>6</b>	<b>109</b>	<b>13.0</b>	<b>3.7</b>	<b>4.7</b>	<b>3</b>	<b>9</b>	<b>4</b>	<b>1</b>	<b>0.0</b>

<sup>1</sup>**SIZE**

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

<sup>2</sup>**SPECIFIC GRAVITY**

Data not replicated

<sup>3</sup>**RAW TUBER QUALITY**

(percent of tubers out of 10)  
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<sup>4</sup>**COMMON SCAB RATING**

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