

## 2014 Tablestock "Select" Freshpack Potato Variety Trial Overall Average- Seven Locations

TYPE	LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>						TUBER QUALITY <sup>2</sup>				VINE VIGOR <sup>3</sup>	VINE MATURITY <sup>4</sup>	COMMENTS
		US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS	BC			
RED SKIN	Red Norland <sup>cddeg</sup>	517	578	89	7	86	3	4	1.067	0.5	0.8	0.0	0.0	3.3	2.0	0.0-0.5 common scab; misshapened pickouts
	CO05228-4R <sup>deg</sup>	350	491	74	23	73	1	3	1.073	0.0	0.0	0.0	0.0	2.8	3.0	0.5-2.0 common scab; small uniform tuber; nice dark red skin
ROUND WHITE	Onaway <sup>a</sup>	600	632	95	3	82	13	2	1.069	0.0	9.0	0.0	0.0	4.0	2.0	0.5 common scab; sheep nosing in pickouts
	MSS206-2 <sup>abcdeg</sup>	594	659	91	2	50	41	7	1.075	2.5	1.7	0.0	0.5	2.7	4.2	0.5-2.5 common scab; sticky stolons and bottle necking; misshapened and gc in pickouts
	MSQ131-A <sup>abcdeg</sup>	535	556	97	1	50	47	2	1.070	0.2	0.2	0.2	0.0	3.3	3.3	0.5-1.5 common scab; gc and misshapen in pickouts
	Reba <sup>abcdeg</sup>	529	582	91	5	64	27	4	1.076	0.4	0.8	0.6	0.2	3.6	2.9	0.0-1.0 common scab; misshapened pickouts
	MSS176-1 <sup>abcdeg</sup>	513	567	91	3	72	19	6	1.079	0.5	0.5	1.3	1.8	3.8	3.8	0.5 common scab; flat oval shape; gc and misshapen in pickouts
	MSQ086-3 <sup>abcdeg</sup>	479	527	92	5	77	15	3	1.075	0.0	1.3	1.0	0.2	3.1	4.0	0.5-1.0 common scab; gc and misshapen in pickouts
SPLASH	MSS576-5SPL <sup>cddeg</sup>	619	676	91	4	72	19	5	1.073	0.0	1.0	0.0	0.0	3.8	3.1	0.0-0.5 common scab; gc and misshapened in pickouts; white-fleshed with pink splash around eyes
YELLOW FLESH	Cascada <sup>bf</sup>	524	732	71	22	71	0	7	1.075	0.0	0.0	0.0	0.0	3.5	4.0	0.5-1.0 common scab; points, pear shaped and gc in pickouts
	W6703-1Y (Oneida Gold) <sup>abcdeg</sup>	517	562	92	7	88	4	1	1.077	0.0	0.0	0.8	0.0	3.2	2.8	0.5 common scab; small uniform tuber type; nice yellow flesh
	Allora <sup>bf</sup>	516	574	90	8	81	9	2	1.073	0.0	1.5	0.0	0.0	3.0	3.3	0.5-2.0 common scab; light yellow flesh; bottle necking in pickouts
	MSM288-2Y <sup>abcdeg</sup>	509	576	89	6	79	10	5	1.075	0.2	0.8	0.0	0.5	3.4	3.0	1.0-3.0 common scab; deep yellow colored flesh; gc and misshapen in pickouts
<b>MEAN</b>		<b>523</b>	<b>593</b>						<b>1.074</b>							tr = trace, sl = slight, N/A = not available gc=growth crack

### 2014 Tablestock Variety Trial Sites

- <sup>a</sup> Horkey Brothers Farm, Monroe Co.
- <sup>b</sup> Elmable Farm; Kalkaska Co.
- <sup>c</sup> Crawford Farms; Montcalm Co.
- <sup>d</sup> Kitchen Farms; Antrim Co.
- <sup>e</sup> Erke Farms, Presque Isle Co.
- <sup>f</sup> Walther Farms; St. Joseph Co.
- <sup>g</sup> VanDamme Farms; Delta Co.

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

- Bs: < 4.0 oz.
- As: 4.0 - 10.0 oz.
- OV: > 10 oz.
- PO: Pickouts

### <sup>2</sup>TUBER QUALITY (number of tubers per 10 cut)

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

### <sup>3</sup>VINE VIGOR RATING

- Ratings: 1 - 5
- 1: Slow Emergence
- 5: Early Emergence (vigorous vine, some flowering)

### <sup>4</sup>VINE MATURITY RATING

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

# 2014 Freshpack Potato Variety Trial Elmable Farms, Kalkaska County, MI

Harvest 9/16/2014 118 Days  
DD, Base 40<sup>5</sup> 2521

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>						TUBER QUALITY <sup>2</sup>				TOTAL CUT	VINE VIGOR <sup>3</sup>	VINE MATURITY <sup>4</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS	BC				
Cascada	610	747	82	15	82	0	3	1.074	0	0	0	0	10	3.5	4.5	1.0 common scab, gc, points and pear shape in pickouts, yellow flesh
MSS206-2	606	619	98	1	42	56	1	1.065	5	0	0	2	10	2.5	4.0	sticky stolon, 1.5 common scab, one tuber with blackleg
W6703-1Y (Oneida Gold)	580	608	96	4	80	16	0	1.079	0	0	0	0	10	3.5	3.0	smooth uniform tuber type, 0.5 common scab, light yellow flesh
Allora	560	601	93	6	76	17	1	1.074	0	0	0	0	10	2.5	3.0	oblong tuber type, light yellow flesh, sl bottle necking in pickouts, 0.5 common scab
MSQ131-A	531	551	97	1	34	63	2	1.070	0	0	1	0	10	3.0	2.5	misshapen pickouts, 1.5 common scab, sl pinkeye, blackleg in one tuber
MSQ086-3	512	543	95	2	65	30	3	1.079	0	3	4	0	10	3.0	4.5	gc and misshapen in pickouts, 0.5 common scab
MSM288-2Y	487	534	91	5	79	12	4	1.073	0	2	0	1	10	4.0	2.5	gc and misshapen pickouts, 1.5 common scab, yellow flesh
MSS176-1	433	477	91	3	70	21	6	1.075	1	1	3	0	10	4.5	4.0	flat oval shape, gc and misshapen in pickouts, 0.5 common scab, tr pinkeye
<b>MEAN</b>	<b>540</b>	<b>585</b>						<b>1.074</b>								

tr = trace, sl = slight, NA = not available  
SED = stem end defect, gc = growth crack

<sup>1</sup>SIZE  
Bs: < 1 7/8"  
As: 1 7/8" - 3.25"  
OV: > 3.25"  
PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)  
HH: Hollow Heart  
VD: Vascular Discoloration  
IBS: Internal Brown Spot  
BC: Brown Center

<sup>3</sup>VINE VIGOR RATING  
Date Taken: 26-Jun-14  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some flowering)

<sup>4</sup>VINE MATURITY RATING  
Date Taken: 13-Aug-14  
Ratings: 1 - 5  
1: Early (vines completely dead)  
5: Late (vigorous vine, some flowering)

Planted: 21-May-14  
Vines Killed: 2-Sep-14  
Days from Planting to Vine Kill: 104  
Seed Spacing: 10"  
Fall Fumigation

<sup>5</sup>MAWN STATION: Kalkaska  
Planting to Vine Kill

# 2014 Freshpack Potato Variety Trial

## Crawford Farms, Montcalm County, MI

Harvest 1-Oct-14 125 Days  
DD, Base 40<sup>5</sup> 2591

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					TUBER QUALITY <sup>2</sup>				TOTAL CUT	VINE VIGOR <sup>3</sup>	VINE MATURITY <sup>4</sup>	COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS					BC
MSS206-2	638	717	89	1	41	48	10	1.071	1	2	0	0	10	2.0	4.0	sheep nose and pear shape in pickouts
<b>Reba</b>	<b>619</b>	<b>643</b>	<b>96</b>	<b>2</b>	<b>72</b>	<b>24</b>	<b>2</b>	<b>1.072</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>3.5</b>	<b>2.5</b>	<b>misshapen pickouts</b>
MSS576-5SPL	590	643	92	5	76	16	3	1.073	0	0	0	0	10	3.5	2.5	misshapen pickouts
MSM288-2Y	590	636	93	5	87	6	2	1.073	0	1	0	0	10	3.0	2.5	misshapen pickouts, 1.0 common scab, deep yellow flesh
<b>Red Norland</b>	<b>554</b>	<b>620</b>	<b>89</b>	<b>4</b>	<b>89</b>	<b>0</b>	<b>7</b>	<b>1.067</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>3.0</b>	<b>1.0</b>	<b>light red to red skin color</b>
MSS176-1	545	583	94	1	67	27	5	1.072	0	0	0	10	10	3.0	3.5	large flat to oval tuber type
AF3362-1Rus	543	635	86	5	59	27	9	1.079	0	1	0	0	10	2.5	3.5	knobs and misshapen pickouts
MSQ086-3	531	568	94	5	88	6	1	1.076	0	1	0	0	10	2.0	3.5	1.0 common scab, misshapen pickouts
MSQ131-A	508	525	97	1	53	44	2	1.066	1	0	0	0	10	2.5	3.0	misshapen pickouts, 1.0 common scab
W6703-1Y (Oneida Gold)	475	537	88	12	88	0	0	1.070	0	0	0	0	10	2.5	1.5	small uniform tuber type, yellow flesh
<b>Russet Norkotah LT</b>	<b>457</b>	<b>607</b>	<b>75</b>	<b>13</b>	<b>67</b>	<b>8</b>	<b>12</b>	<b>1.079</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>1.5</b>	<b>3.5</b>	<b>1.5 common scab, gc and misshapen in pickouts</b>
AF4320-7Rus	451	552	81	4	57	24	15	1.078	0	0	0	0	10	2.0	4.0	misshapen pickouts, 1.5 common scab
A03921-2Rus	413	528	78	18	76	2	4	1.099	0	2	0	0	10	2.5	3.5	small uniform tuber type
AO6021-1TRus	409	556	74	12	66	8	14	1.080	0	0	0	0	10	2.0	2.0	misshapen pickouts, prominent lenticels
W9433-1Rus	406	480	84	7	64	20	9	1.080	0	2	0	0	10	2.0	2.5	1.0 common scab, misshapen pickouts
AF4152-7Rus	393	480	82	9	77	5	9	1.086	0	1	0	0	10	3.0	2.5	misshapen pickouts
ATX91137-1Rus	380	495	76	11	64	12	13	1.065	0	0	0	0	10	1.5	3.5	knobs in pickouts
W9133-1Rus	380	499	76	12	58	18	12	1.068	2	0	0	0	10	2.0	2.0	misshapen pickouts, 1.0 common scab
W8152-1Rus	358	443	81	17	76	5	2	1.079	2	0	0	0	10	2.5	3.0	alligator hide, 1.0 common scab
CO05228-4Rus	344	457	75	25	75	0	0	1.075	0	2	0	0	10	2.0	2.0	small uniform tuber type, nice red skin color, 0.5 common scab
<b>Silverton Russet</b>	<b>306</b>	<b>396</b>	<b>77</b>	<b>21</b>	<b>70</b>	<b>7</b>	<b>2</b>	<b>1.065</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>2.5</b>	<b>3.0</b>	<b>misshapen and gc in pickouts</b>
<b>Russet Norkotah</b>	<b>207</b>	<b>368</b>	<b>56</b>	<b>39</b>	<b>55</b>	<b>1</b>	<b>5</b>	<b>1.067</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>10</b>	<b>3.0</b>	<b>1.0</b>	<b>small tuber type, 0.5 common scab</b>

**MEAN 459 544**

**1.075**

tr = trace, sl = slight, NA = not available

SED = stem end defect, gc = growth crack

<sup>1</sup>SIZE

Bs: < 1 7/8" or <4oz.  
As: 1 7/8" - 3.25" or 4-10oz.  
OV: > 3.25" or >10oz.  
PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)

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

<sup>3</sup>VINE VIGOR RATING

Date Taken: 3-Jul-13  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some flowering)

<sup>4</sup>VINE MATURITY RATING

Date Taken: 26-Aug-14  
Ratings: 1 - 5  
1: Early (vines completely dead)  
5: Late (vigorous vine, some flowering)

Planted: 29-May-14

Vines Killed: 2-Sep-14

Days from Planting to Vine Kill: 96

Seed Spacing : 10" (reds, yellows, whites) and 12" (russets)

No Fumigation

<sup>5</sup>MAWN STATION: Entrican  
Planting to Vine Kill

# 2014 Freshpack Potato Variety Trial

## Erke Farms, Presque Isle County, MI

Harvest 10-Oct-14 133 Days

DD, Base 40<sup>5</sup> 2544

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					SP GR	TUBER QUALITY <sup>2</sup>				TOTAL CUT	VINE VIGOR <sup>3</sup>	VINE MATURITY <sup>4</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
MSS576-5SPL	826	901	91	3	81	10	6	1.082	0	2	0	0	10	4.5	3.0	nice uniform size profile, pinkeye, 0.0 common scab
MSQ131-A	784	827	94	2	55	39	4	1.081	0	0	0	0	10	4.5	3.5	uniform round tuber type, sl pinkeye, 0.5 common scab
AF33621-Rus	721	858	84	10	74	10	6	1.090	0	0	0	0	10	5.0	4.0	uniform tuber type, 0.0 common scab, tr pinkeye
W6703-1Y (Oneida Gold)	682	763	89	11	89	0	0	1.084	0	0	0	0	10	4.0	2.5	small uniform tuber type, medium yellow flesh, 0.5 common scab
MSS176-1	658	736	90	4	90	0	6	1.100	0	1	1	0	10	5.0	3.0	misshapen and gc in pickouts
MSS206-2	648	805	81	5	62	19	14	1.080	1	1	0	0	10	4.0	4.0	misshapen pickouts, 0.5 common scab, tr of gc, pinkeye
MSM288-2Y	628	803	78	10	72	6	12	1.085	1	1	0	1	10	4.5	3.0	deep yellow flesh, 1.0 common scab, pinkeye, uniform tuber type
<b>Reba</b>	<b>584</b>	<b>744</b>	<b>78</b>	<b>8</b>	<b>64</b>	<b>14</b>	<b>14</b>	<b>1.082</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>4.0</b>	<b>2.5</b>	<b>misshapen pickouts, deep apical eye, 0.0 common scab</b>
W9433-1Rus	555	740	75	12	43	32	13	1.085	0	5	3	1	10	4.5	3.5	
<b>Red Norland</b>	<b>532</b>	<b>628</b>	<b>85</b>	<b>12</b>	<b>85</b>	<b>0</b>	<b>3</b>	<b>1.074</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>3.0</b>	<b>1.5</b>	<b>misshapen pickouts, 0.0 common scab</b>
MSQ086-3	532	659	80	11	78	2	9	1.082	0	0	0	0	10	4.0	3.5	misshapen and gc in pickouts, severe pinkeye, severe blackleg, 0.0 common scab
W9133-1Rus	416	605	69	22	59	10	9	1.073	0	2	0	0	10	4.5	2.5	misshapen pickouts, pinkeye, 0.0 common scab
CO05228-4R	405	664	61	35	61	0	4	1.073	0	0	0	0	10	2.5	2.0	very small uniform tuber type, 0.5 common scab, dark red skin color
<b>Russet Norkotah</b>	<b>389</b>	<b>664</b>	<b>58</b>	<b>32</b>	<b>55</b>	<b>3</b>	<b>10</b>	<b>1.077</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>4.0</b>	<b>2.5</b>	<b>knobs and misshapen in pickouts, pinkeye, 0.0 common scab</b>
<b>Silverton Russet</b>	<b>373</b>	<b>541</b>	<b>69</b>	<b>24</b>	<b>69</b>	<b>0</b>	<b>7</b>	<b>1.080</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>10</b>	<b>4.5</b>	<b>3.5</b>	<b>misshapen pickouts, 0.0 common scab</b>
W8152-1Rus	373	640	58	25	58	0	17	1.093	1	0	0	1	10	5.0	2.5	0.0 common scab, severe gc in pickouts
<b>Russet Norkotah LT</b>	<b>93</b>	<b>455</b>	<b>20</b>	<b>74</b>	<b>20</b>	<b>0</b>	<b>6</b>	<b>1.084</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>3.0</b>	<b>3.5</b>	
<b>MEAN</b>	<b>734</b>	<b>817</b>	<b>90</b>					<b>1.087</b>								

tr = trace, sl = slight, N/A = not applicable

SED = stem end defect, gc = growth crack

<sup>1</sup>SIZE

Bs: < 1 7/8" or  
As: 1 7/8" - 3.25"  
OV: > 3.25"  
PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)

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

<sup>3</sup>VINE VIGOR RATING

Date Taken: 8-Jul-14  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some flowering)

<sup>4</sup>VINE MATURITY RATING

Date Taken: 26-Aug-14  
Ratings: 1 - 5  
1: Early (vines completely dead)  
5: Late (vigorous vine, some flowering)

Planted: 30-May-14

Vines Killed: 12-Sep-14

Days from Planting to Vine Kill: 105

Seed Spacing: 10" (red, yellow, round white) and 12" (russets)

No Fumigation

Not irrigated

<sup>5</sup>MAWN STATION: Hawks  
Planting to Vine Kill

# 2014 Freshpack Potato Variety Trial

## Horkey Brothers, Monroe County, MI

Harvest 15-Sep-14 147 Days

DD, Base 40<sup>5</sup> 3196

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					SP GR	TUBER QUALITY <sup>2</sup>				TOTAL CUT	VINE VIGOR <sup>3</sup>	VINE MATURITY <sup>4</sup>	COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO		HH	VD	IBS	BC				
MSS206-2	635	663	96	3	62	34	1	1.072	1	7	0	1	10	2.0	4.0	1.0 common scab, gc and misshapen pickouts, severe sticky stolons
MSQ086-3	602	657	92	7	91	1	1	1.074	0	2	0	1	10	2.5	4.0	misshapen pickouts, 0.5 common scab
<b>Onaway</b>	<b>600</b>	<b>632</b>	<b>95</b>	<b>3</b>	<b>82</b>	<b>13</b>	<b>2</b>	<b>1.069</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>4.0</b>	<b>2.0</b>	<b>severe sheep nose in pickouts, 0.5 common scab</b>
MSQ131-A	594	607	98	1	60	38	1	1.072	0	0	0	0	10	4.0	3.0	tr pick eye, 1.0 common scab
W6703-1Y (Oneida G	487	521	94	6	91	3	0	1.082	0	0	5	0	10	3.0	3.0	0.5 common scab, small uniform tuber type, nice yellow flesh color
MSM288-2Y	446	502	87	8	81	6	5	1.079	0	0	0	0	10	3.5	3.0	gc and misshapen pickouts, pinkeye, 1.5 common scab, nice yellow flesh color
MSS176-1	438	481	92	3	76	15	5	1.088	2	0	3	1	10	3.5	3.0	misshapen pickouts, 0.5 common scab, flat oval shape
<b>Reba</b>	<b>259</b>	<b>293</b>	<b>89</b>	<b>11</b>	<b>89</b>	<b>0</b>	<b>0</b>	<b>1.077</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>10</b>	<b>3.0</b>	<b>2.5</b>	<b>0.5 common scab, tr pinkeye</b>
<b>MEAN</b>		<b>508</b>	<b>544</b>						<b>1.077</b>							

tr = trace, sl = slight, N/A = not applicable  
 SED = stem end defect, gc = growth crack

<sup>1</sup>SIZE  
 Bs: < 1 7/8"  
 As: 1 7/8" - 3.25"  
 OV: > 3.25"  
 PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)  
 HH: Hollow Heart  
 VD: Vascular Discoloration  
 IBS: Internal Brown Spot  
 BC: Brown Center

<sup>3</sup>VINE VIGOR RATING  
 Date Taken: 5-Jun-14  
 Ratings: 1 - 5  
 1: Slow Emergence  
 5: Early Emergence (vigorous vine, some flowering)

<sup>4</sup>VINE MATURITY RATING  
 Date Taken: 8-Aug-14  
 Ratings: 1 - 5  
 1: Early (vines completely dead)  
 5: Late (vigorous vine, some flowering)

Planted: 21-Apr-14  
 Vines Killed: 29-Aug-14  
 Days from Planting to Vine Kill: 130  
 Seed Spacing : 8"  
 No Fumigation

<sup>5</sup>MAWN STATION: Petersburg  
 Planting to Vine Kill

## 2014 Freshpack Potato Variety Trial

### Kitchen Farms, Antrim County, MI

Harvest 23-Sep-14      116 Days  
DD, Base 40<sup>5</sup>      2156

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					TUBER QUALITY <sup>2</sup>				TOTAL CUT	VINE VIGOR <sup>3</sup>	VINE MATURITY <sup>4</sup>	COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS					BC
AF4320-7Rus	636	701	91	4	64	27	5	1.068	0	0	0	0	10	5.0	5.0	0.5 common scab,
MSS576-5SPL	629	671	94	1	66	28	5	1.062	0	2	0	0	10	2.5	3.5	0.5 common scab, gc in pickouts
AF3362-1Rus	602	641	94	3	56	38	3	1.070	0	0	0	0	10	2.5	3.5	0.5 common scab, knobs in pickouts
<b>Reba</b>	<b>545</b>	<b>568</b>	<b>96</b>	<b>2</b>	<b>50</b>	<b>46</b>	<b>2</b>	<b>1.068</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>10</b>	<b>3.5</b>	<b>3.5</b>	<b>1.0 common scab, misshapen pickouts</b>
ATX91137-1Rus	545	732	74	8	60	15	18	1.061	0	1	0	0	10	1.0	4.5	knobs and misshapen in pickouts, 0.5 common scab
MSS206-2	543	650	84	2	48	35	14	1.063	7	0	0	0	10	1.5	4.5	2.5 common scab, pear shapes and bottlenecking in pickouts
W9433-1Rus	522	551	95	1	43	52	4	1.063	0	0	1	0	10	2.0	4.0	1.5 common scab
MSM288-2Y	510	564	91	4	75	16	5	1.067	0	1	0	1	10	2.0	3.5	3.0 common scab, two tubers with black leg
<b>Red Norland</b>	<b>466</b>	<b>517</b>	<b>90</b>	<b>6</b>	<b>84</b>	<b>6</b>	<b>4</b>	<b>1.055</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>2.5</b>	<b>2.5</b>	<b>0.5 common scab, gc and misshapen in pickouts</b>
W6703-1Y(Oneida Gold)	456	500	91	8	91	0	1	1.066	0	0	0	0	10	2.0	3.5	0.5 common scab, uniform tuber type, yellow flesh
A03921-2Rus	437	502	87	10	70	17	3	1.085	0	0	2	0	10	2.0	4.5	2.0 common scab, points, eye-browning in pickouts
AF4124-7Rus	434	466	93	4	70	23	3	1.072	0	0	0	0	10	2.0	4.0	misshapen pickouts, prominent eye brows
W8152-1Rus	433	514	84	10	73	11	6	1.080	0	0	0	0	10	2.5	3.5	0.5 common scab, gc in pickouts
MSS176-1	431	498	87	3	58	28	10	1.062	0	1	1	0	10	2.5	5.0	0.5 common scab, gc in pickouts
<b>Russet Norkotah LT</b>	<b>426</b>	<b>505</b>	<b>84</b>	<b>15</b>	<b>76</b>	<b>8</b>	<b>1</b>	<b>1.069</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>1.5</b>	<b>4.5</b>	<b>1.0 common scab, misshapen pickouts</b>
<b>Russet Norkotah</b>	<b>402</b>	<b>481</b>	<b>84</b>	<b>14</b>	<b>74</b>	<b>10</b>	<b>2</b>	<b>1.065</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>2.0</b>	<b>2.5</b>	<b>1.0 common scab</b>
MSQ086-3	396	418	95	4	65	30	1	1.065	0	2	2	0	10	4.5	4.5	0.5 common scab, tr sheep nose
A06021-1TRus	368	432	85	11	80	5	4	1.068	0	0	0	0	10	2.0	4.0	0.5 common scab,
CO05228-4R	361	478	76	23	76	0	1	1.060	0	0	0	0	10	3.5	3.5	2.0 common scab, nice dark red skin color, small uniform tuber type
MSQ131-A	359	386	93	3	58	35	4	1.055	0	1	0	0	10	1.0	4.0	1.5 common scab, gc and misshapen in pickouts,
<b>GoldRush Russet</b>	<b>356</b>	<b>438</b>	<b>81</b>	<b>17</b>	<b>80</b>	<b>2</b>	<b>2</b>	<b>1.064</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>3.5</b>	<b>3.5</b>	<b>0.0 common scab, misshapen pickouts</b>
W9133-1Rus	341	489	70	19	64	5	11	1.063	0	1	0	0	10	3.5	3.5	0.0 common scab, misshapen pickouts
<b>Silverton Russet</b>	<b>300</b>	<b>376</b>	<b>80</b>	<b>14</b>	<b>75</b>	<b>5</b>	<b>6</b>	<b>1.062</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>2.0</b>	<b>4.0</b>	<b>0.5 common scab, gc and knobs in pickouts</b>

MEAN 456 525

1.066

tr = trace, sl = slight, NA = not available  
SED = stem end defect, gc = growth crack

<sup>1</sup>SIZE

Bs: < 1 7/8" or < 4 oz.  
As: 1 7/8" - 3.25" or 4 - 10 oz.  
OV: > 3.25" or > 10 oz.  
PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)

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

<sup>3</sup>VINE VIGOR RATING

Date Taken: 26-Jun-14  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some flowering)

<sup>4</sup>VINE MATURITY RATING

Date Taken: 13-Aug-14  
Ratings: 1 - 5  
1: Early (vines completely dead)  
5: Late (vigorous vine, some flowering)

Planted: 30-May-14

Vines Killed: 28-Aug-14

Days from Planting to Vine Kill: 90

Seed Spacing: 10" (whites, yellows, reds, and AF3362-1Rus); 12" (russets)

Fall Fumigation

<sup>5</sup>MAWN STATION: Gaylord  
Planting to Vine Kill

# 2014 Freshpack Potato Variety Trial

## VanDamme Farms, Delta County, MI

Harvest 7-Oct-14 129 Days

DD, Base 40<sup>5</sup> 2682

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					TUBER QUALITY <sup>2</sup>				TOTAL	VINE VIGOR <sup>3</sup>	VINE MATURITY <sup>4</sup>	COMMENTS	
	US#1	TOTAL	US#1	Bs	As	OV	PO	SP GR	HH	VD	IBS					BC
<b>Reba</b>	<b>637</b>	<b>660</b>	<b>96</b>	<b>4</b>	<b>47</b>	<b>49</b>	<b>0</b>	<b>1.080</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>4.0</b>	<b>3.5</b>	
MSS176-1	573	629	91	2	69	22	7	1.077	0	0	0	0	10	4.5	4.5	
<b>Red Norland</b>	<b>515</b>	<b>547</b>	<b>94</b>	<b>3</b>	<b>87</b>	<b>7</b>	<b>3</b>	<b>1.073</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>4.5</b>	<b>3.0</b>	
W9133-1Rus	497	596	84	2	40	44	14	1.100	0	0	0	0	10	4.5	3.5	
MSS206-2	491	502	98	1	45	53	1	1.100	0	0	0	0	10	4.0	4.5	
AF4320-7Rus	465	531	88	2	43	45	10	1.085	0	0	0	0	10	4.0	3.5	
ATX91137-1Rus	452	516	88	7	47	41	5	1.077	0	0	0	0	10	3.0	4.0	
<b>Silverton Russet</b>	<b>447</b>	<b>568</b>	<b>79</b>	<b>8</b>	<b>39</b>	<b>40</b>	<b>13</b>	<b>1.085</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>4.5</b>	<b>3.5</b>	
MSQ131-A	433	440	99	0	38	61	1	1.078	0	0	0	0	10	4.5	4.0	
MSS576-5SPL	432	488	88	6	66	22	6	1.076	0	0	0	0	10	4.5	3.5	
<b>Russet Norkotah LT</b>	<b>427</b>	<b>464</b>	<b>92</b>	<b>5</b>	<b>49</b>	<b>43</b>	<b>3</b>	<b>1.075</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>3.0</b>	<b>3.0</b>	<b>gc in pickouts</b>
W6703-1Y (Oneida Gold)	422	442	96	1	90	6	3	1.080	0	0	0	0	10	4.0	3.0	
A03921-2Rus	409	497	82	12	50	32	6	1.078	0	0	0	0	10	3.0	5.0	
A06021-Trus	407	489	83	8	61	22	9	1.073	0	0	0	0	10	3.0	5.0	
MSM288-2Y	396	417	95	5	81	14	0	1.076	0	0	0	0	10	3.5	3.5	
W8152-1Rus	337	405	83	14	63	20	3	1.082	0	0	0	0	10	4.5	3.5	
W9433-1Rus	316	339	93	4	37	56	3	1.082	0	0	0	0	10	4.0	4.5	
AF4124-7Rus	311	436	71	12	37	34	17	1.085	0	0	0	0	10	4.5	4.5	
MSQ086-3	299	315	95	5	77	18	0	1.076	0	0	0	0	10	2.5	4.0	
CO05228-4R	283	331	86	9	82	4	5	1.085	0	0	0	0	10	2.5	3.5	
AF3362-1Rus	228	274	83	3	41	42	14	1.076	1	0	0	0	10	3.5	3.0	
<b>Russet Norkotah</b>	<b>178</b>	<b>264</b>	<b>68</b>	<b>21</b>	<b>56</b>	<b>12</b>	<b>11</b>	<b>1.075</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>3.5</b>	<b>3.0</b>	<b>gc in pickouts</b>
<b>MEAN</b>	<b>407</b>	<b>461</b>						<b>1.081</b>								

tr = trace, sl = slight, N/A = not applicable  
 SED = stem end defect, gc = growth crack

<sup>1</sup>SIZE  
 Bs: < 1 7/8" or <4oz.  
 As: 1 7/8" - 3.25" or 4-10oz.  
 OV: > 3.25" or >10oz.  
 PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)  
 HH: Hollow Heart  
 VD: Vascular Discoloration  
 IBS: Internal Brown Spot  
 BC: Brown Center

<sup>3</sup>VINE VIGOR RATING  
 Date Taken: 10-Jul-14  
 Ratings: 1 - 5  
 1: Slow Emergence  
 5: Early Emergence (vigorous vine, some flowering)

<sup>4</sup>VINE MATURITY RATING  
 Date Taken: 27-Aug-14  
 Ratings: 1 - 5  
 1: Early (vines completely dead)  
 5: Late (vigorous vine, some)

Planted: 31-May-14  
 Vines Killed: 15-Sep-14  
 Days from Planting to Vine Kill: 107  
 Seed Spacing: 12"  
 No Fumigation

<sup>5</sup>MAWN STATION: Escanaba  
 Planting to Vine Kill

**2014 Yellow Variety Trial**  
**Walther Farms, St. Joseph County, MI**  
 Harvest 17-Sep-14 128 Days  
 DD, Base 40<sup>6</sup> 2826

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>				SP GR	TUBER QUALITY <sup>2</sup>				TOTAL CUT	VINE VIGOR <sup>4</sup>	VINE MATURITY <sup>5</sup>	COMMENTS <sup>7,8</sup>	
	US#1	TOTAL	US#1	Bs	As	OV		PO	HH	VD	IBS					BC
Francisca	682	812	84	9	83	1	7	1.064	0	7	1	0	10	4.0	3.0	0.5 common scab, gc and misshapen in pickouts, sticky stolons, 1.5 waxiness, 4.0 yellowness
Alegria	626	712	88	3	78	10	9	1.072	0	3	0	0	10	3.5	3.5	1.0 common scab, 0.5 waxiness, 3.0 yellowness, blocky oval tuber type
Musica Solamun	609	677	90	6	85	5	4	1.068	0	0	3	1	10	4.0	2.5	oblong tuber type, 1.0 waxiness, 3.0 yellowness, 1.0 common scab
Soraya	601	704	85	5	83	2	10	1.063	0	6	0	0	10	3.5	3.0	non-uniform tuber type, points and pear shape in pickouts, 1.0 waxiness, 3.0 yellowness
Chopin	571	631	90	8	88	2	2	1.066	0	0	0	0	10	3.0	3.0	oblong tuber type, pinkeye, 2.5 waxiness, 1.5 common scab, 3.0 yellowness
Musica EBE Farms	561	688	82	14	80	2	4	1.067	0	1	6	0	10	4.0	2.5	0.5 common scab, oblong tuber type, 0.5 waxiness, 3.5 yellowness, sl sticky stolons
Inara	531	632	84	13	84	0	3	1.071	0	1	0	0	10	3.5	3.5	0.5 common scab, 1.0 waxiness, 2.5 yellowness, oblong tuber shape
Agila	525	679	77	6	74	3	17	1.064	0	0	1	0	10	3.5	3.5	0.5 common scab, severe gc, points and misshapen pickouts, 2.0 waxiness, 2.5 yellowness
VC1009-1W/Y	501	604	83	15	83	0	2	1.073	0	2	0	0	10	3.0	2.5	flat round tuber type, 3.5 waxiness, 4.0 yellowness, 0.5 common scab
Merlot	487	554	88	10	88	0	2	1.082	0	3	0	0	10	4.0	3.0	points in pickouts, oblong tuber shape, red skin yellow flesh, 4.0 waxiness, 0.5 common scab, 4.0 yellowness
Smiley	484	572	85	8	85	0	7	1.074	0	4	0	0	10	4.0	2.5	red splash, 4.0 waxiness, 4.0 yellowness, 0.0 common scab
Sundance	481	565	85	14	85	0	1	1.077	0	0	0	0	10	4.0	3.0	pink eyes, oval tuber type, 1.0 common scab, 0.5 waxiness, 4.0 yellowness
Allora	472	547	86	10	85	1	4	1.072	0	3	0	0	10	3.5	3.5	2.0 common scab, 2.5 waxiness, 3.0 yellowness, pear shaped, misshapened pickouts
VC1002-3W/Y	469	527	89	10	89	0	1	1.071	0	0	2	0	10	3.0	2.5	0.0 waxiness, 3.5 yellowness, oval shape
Autumn Gold	451	566	79	18	76	3	3	1.080	0	2	0	0	10	3.5	3.5	oblong tuber type, alligator hide, 2.0 waxiness, 2.5 yellowness
CO0499-3W/Y	441	523	84	11	84	0	5	1.084	0	0	3	1	10	4.0	4.0	1.0 common scab, 0.0 waxiness, 4.5 yellowness, misshapened pickouts, pink eyes on tubers, blocky tuber shape
Cascada	438	718	61	28	61	0	11	1.075	0	0	0	0	10	3.5	3.5	0.5 common scab, misshapen and gc in pickouts, 3.0 waxiness, 4.5 yellowness
CO00412-5W/Y	435	539	81	14	81	0	5	1.081	0	0	0	0	10	3.5	3.5	misshapen pickouts, 0.0 waxiness, 4.0 yellowness, uniform round to oval shape
Novella	427	582	73	8	72	1	19	1.072	0	5	0	0	10	2.5	3.0	0.5 common scab, 3.0 waxiness, 2.0 yellowness, points, heat sprouts, gc, misshapened pickouts, overall poor tuber shape
Solome	387	618	63	33	63	0	4	1.066	0	4	0	0	10	3.0	2.5	0.5 waxiness, pinkeye, oval tuber type, gc and points in pickouts, 3.0 yellowness

**MEAN 509 623**

**1.072**

tr = trace, sl = slight, NA = not available  
 SED = stem end defect, gc = growth crack

<sup>1</sup>SIZE  
 Bs: < 1 7/8"  
 As: 1 7/8" - 3.25"  
 OV: > 3.25"  
 PO: Pickouts

<sup>2</sup>TUBER QUALITY (number of tubers per total cut)  
 HH: Hollow Heart  
 VD: Vascular Discoloration  
 IBS: Internal Brown Spot  
 BC: Brown Center

<sup>3</sup>VINE VIGOR RATING  
 Date Taken: 13-Jun-14  
 Ratings: 1 - 5  
 1: Slow Emergence  
 5: Early Emergence (vigorous vine, some flowering)

<sup>5</sup>VINE MATURITY RATING  
 Date Taken: 1-Aug-14  
 Ratings: 1 - 5  
 1: Early (vines completely dead)  
 5: Late (vigorous vine, some flowering)

Planted: 12-May-14  
 Vines Killed: 30-Aug-14  
 Days from Planting to Vine Kill: 110  
 Seed Spacing: 10"  
 No Fumigation

<sup>7</sup>YELLOWNESS RATING  
 1: light yellow  
 5: dark yellow

<sup>8</sup>WAXINESS RATING  
 0: non-waxy  
 5: highly waxy

<sup>6</sup>MAWN STATION: Coldwater  
 Planting to Vine Kill



# 2014 MSU Tablestock Potato Variety Trials

## Yellow Flesh Type

Entry	Pedigree	2014 Scab Rating*	Characteristics
Agila	-	2.1	Average yield potential, high incidence of growth cracks
Alegria	-	1.8	High yield potential, blocky-oval tuber shape
Allora	-	2.0	Average yield potential, pear-shaped tubers
Autumn Gold	-	-	Below average yield potential, high proportion of small tubers, oblong tuber type
Cascada	-	0.5	Below average yield potential, excellent internal quality, deep yellow colored flesh
Chopin	VDZ87-38 X Casanova	1.5	Common scab resistant, oval tubers, early maturity
Francisca	-	0.5	High yield, oval tubers with smooth yellow skin, early maturity, common scab resistant
Inara	-	0.5	High yield, medium maturity, medium to large oval-oblong tuber shape, medium common scab resistance
Merlot	-	0.5	High yield, small to medium oval tubers, medium to late maturity, red skin yellow flesh
Musica	CMK1993-042-005 X Lady Christl	0.5	High yield, medium to early maturity, large long-oval tubers with smooth skin, yellow flesh, common scab resistance

\*Scab rating based on 0-5 scale; 0 = most resistant and 5 = most susceptible. \*\*2012 Data.  
Common Scab data provided by MSU Potato Breeding and Genetics Program.

Novella	-	0.5	Medium to high yield, medium to large uniform long-oval tuber shape, smooth with yellow flesh, common scab susceptible
Oneida Gold (W6703-1Y)	Satina X W2275-2Y	1.2	Good yield, medium maturity, slightly better shape than W6703-5Y, common scab tolerant, medium yellow flesh, buff to slightly netted skin type
Smiley	-	1.4	Medium yield, medium to large round-oval uniform tuber shape, medium common scab resistance
Solome	-	0.5	Below average yield potential, low specific gravity, oval tuber type
Soraya	-	-	High yield, late maturity, large oval-oblong tubers with yellow skin and yellow flesh
Sundance	-	1.0	Average yield potential, deep yellow colored flesh, excellent internal quality
CO00412-5W/Y	-	-	Below average yield potential, high specific gravity, excellent internal quality, deep yellow colored flesh
CO04099-3W/Y	VC1002-3W X ATC98495-1W	1.0	Medium yield, high specific gravity, medium to early maturity, small oval tubers
MSM288-2Y	MSG145-1 X MSA097-1Y	2.5	A deep yellow flesh selection similar in type to Yukon Gold, common scab susceptible, uniform tuber type, pink eyes on tubers
MSS576-5SPL	MSI005-20Y X MSL211-3	1.6	High yield, below average specific gravity
VC1002-3W/Y	Agria X Wischip	-	High yield, medium to early maturity, small oval tubers with yellow flesh, high specific gravity
VC1009-1W/Y	Agria X MN12823	0.5	High yield, medium maturity, medium specific gravity

\*Scab rating based on 0-5 scale; 0 = most resistant and 5 = most susceptible. \*\*2012 Data. Common Scab data provided by MSU Potato Breeding and Genetics Program.

# 2014 MSU Tablestock Potato Variety Trials

## Red Skin Type

Entry	Pedigree	2014 Scab Rating*	Characteristics
Red Norland	ND 626 X Red Kote	1.4	Early maturity, medium yield, low specific gravity, smooth round to oblong tubers, medium red skin color
CO05228-4R	CO99256-2R x CO00292-9R	2.9	Early maturity, medium size, good red skin color, common scab susceptible

\*Scab rating based on 0-5 scale; 0 = most resistant and 5 = most susceptible. \*\*2012 Data. Common Scab data provided by MSU Potato Breeding and Genetics Program.

# 2014 MSU Tablestock Potato Variety Trials

## Round white type

Entry	Pedigree	2014 Scab Rating*	Characteristics
Onaway	USDA X96-56 X Katahdin	2.0	High yield, early maturity, round tuber type, low specific gravity, smooth skin, white flesh, medium deep eyes, few internal defects
Reba (NY 87)	Monona X Allegany	2.3	High yield, bright tuber appearance, low incidence of internal defects, mid to late season maturity, medium-low specific gravity
MSQ086-3	Onaway X Missaukee (MSJ461-1)	1.9	Good yield potential, nice round white tuber type, medium maturity, late blight resistance, good internal quality
MSQ131-A	MSF373-8 X Missaukee	1.9	High yielding, large tuber size, round to oval tuber type
MSS176-1	ND5822C-7 X MSL211-3	1.6	High yield, above average gravity, flat oval shape
MSS206-2	Beacon Chipper X Missaukee	2.5	Medium to high yield, low specific gravity, sticky stolons and bottle-necking

\*Scab rating based on 0-5 scale; 0 = most resistant and 5 = most susceptible. \*\*2012 Data. Common Scab data provided by MSU Potato Breeding and Genetics Program.