

# 2010 Freshpack Potato Variety Trial

## R & E Farms, Presque Isle County, MI

Harvest 4-Oct-10      138 Days  
DD, Base 40<sup>5</sup>      3133

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				
MSQ176-5	618	657	94	4	50	44	2	1.068	2	0	2	0	10	3.0	4.0	large tuber size, netted skin
CO99053-3RUS	523	737	71	7	35	36	22	1.075	3	2	0	0	10	2.5	5.0	sticky stolons, alligator hide, large tuber size
MSL268-D	485	543	90	5	74	16	5	1.084	2	5	0	0	10	3.5	3.5	sl surface and pitted scab, netted skin
<b>Silverton Russet (Plot)</b>	<b>458</b>	<b>558</b>	<b>82</b>	<b>10</b>	<b>61</b>	<b>21</b>	<b>8</b>	<b>1.069</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>2.5</b>	<b>3.5</b>	<b>misshapen pickouts, sl alligator hide</b>
<b>Onaway</b>	<b>441</b>	<b>493</b>	<b>90</b>	<b>7</b>	<b>85</b>	<b>5</b>	<b>3</b>	<b>1.065</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>4.0</b>	<b>1.0</b>	<b>bright appearance, sl deep eye, gc and misshapen in pickouts, tr surface and pitted scab</b>
CO99265-2R (Leer Rd.)	434	519	83	15	81	2	2	1.073	0	6	0	0	10	2.5	N/A	misshapen pickouts, nice red color
Silverton Russet (Field, Plus Foliar)	425	490	87	11	69	18	2	1.071	0	2	1	0	10	N/A	N/A	
<b>Reba</b>	<b>421</b>	<b>449</b>	<b>94</b>	<b>5</b>	<b>87</b>	<b>7</b>	<b>1</b>	<b>1.070</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>3.5</b>	<b>2.5</b>	<b>tr surface and pitted scab</b>
W5767-1R	417	465	89	9	73	16	2	1.069	0	3	0	0	10	4.5	2.0	surface scab, sl netted skin, tr gc, misshapen pickouts
Colorado Rose	405	529	76	13	72	4	11	1.074	0	2	0	0	10	3.5	2.5	misshapen pickouts, surface and pitted scab, oblong tuber type, tr soft rot
CO99256-2R (Plot)	394	448	88	10	85	3	2	1.076	1	1	0	0	10	3.0	4.5	surface and pitted scab
Silverton Russet (Field, No Foliar)	393	447	88	8	54	34	4	1.072	0	3	0	0	10	N/A	N/A	misshapen pickouts
W8946-1RUS	375	541	69	22	69	0	9	1.090	0	0	1	0	10	3.5	4.5	points in pickouts
W2609-1R	371	398	93	6	92	1	1	1.066	0	1	0	0	10	3.5	1.0	surface and pitted scab
CO00291-5R	368	407	90	6	80	10	4	1.065	5	0	0	0	10	2.5	5.0	surface and pitted scab, misshapen pickouts, sticky stolons
MSM182-1	293	360	82	11	74	8	7	1.073	0	0	1	0	10	3.5	3.5	misshapen pickouts, tr gc, sl netted skin
MSQ440-2	278	326	85	13	85	0	2	1.063	0	5	0	0	10	3.0	2.5	tr surface scab
MSR217-1R	273	314	87	12	87	0	1	1.058	0	1	1	0	10	2.0	1.5	surface and pitted scab, gc in pickouts
MSL211-3	256	327	79	9	72	7	12	1.064	0	1	0	0	10	4.0	1.5	gc and misshapen tubers in pickouts, tr surface scab
<b>Russet Norkotah</b>	<b>235</b>	<b>383</b>	<b>61</b>	<b>21</b>	<b>56</b>	<b>5</b>	<b>18</b>	<b>1.065</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>3.0</b>	<b>1.0</b>	<b>knobs in pickouts</b>
W6234-4RUS	230	386	60	30	53	7	10	1.076	0	1	0	0	10	3.0	2.0	tr surface and pitted scab, tr alligator hide
MSS544-1R	229	308	74	20	65	9	6	1.064	0	2	0	0	10	2.5	2.0	tr surface scab, misshapen pickouts, one tuber with severe VD
W2683-2RUS	124	304	41	20	34	7	39	1.075	1	0	1	0	10	2.0	4.5	gc and misshapen tubers in pickouts
<b>MEAN</b>	<b>367</b>	<b>452</b>	<b>81</b>					<b>1.071</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 < 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: 22-Jun-10  
Ratings: 1 - 5  
1: Slow Emergence  
5: Early Emergence (vigorous vine, some flowering)

<sup>4</sup>VINE MATURITY RATING

Date Taken: 3-Aug-10  
Ratings: 1 - 5  
1: Early (vines completely dead)  
5: Late (vigorous vine, some flowering)

Planted:

19-May-10

Vines Killed:

17-Sep-10

Days from Planting to Vine Kill:

121

Seed Spacing :

Round white & red 9.5", Russet 11"

No Fumigation

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