

**2011 MPIC Box Bin Processing Potato Variety Trial**  
**Montcalm Research Farm, Montcalm County, MI**  
Harvest 23-Sep-11 137 Days  
DD, Base 40<sup>6</sup> 3313

LINE	CWT/A		PERCENT OF TOTAL <sup>1</sup>					SP GR	CHIP SCORE <sup>3</sup>	TUBER QUALITY <sup>2</sup>				TOTAL CUT	VINE VIGOR <sup>4</sup>	VINE MATURITY <sup>5</sup>	COMMENTS	CHIP COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO			HH	VD	IBS	BC					
MSS165-2Y	622	672	92	7	74	18	1	1.103	1.0	0	1	0	0	10	2.5	4.0	large yield, uniform round tubers	sl SED
NY140	527	588	90	10	86	4	0	1.094	1.0	0	6	0	0	10	3.0	3.5	oval to round tuber type, nice tuber appearance	mod to sev SED
MSL007-B	514	542	94	6	87	7	0	1.098	1.0	0	0	0	0	10	2.0	3.0	nice uniform round type, heavy netted skin	mod SED
NYE106-4	489	572	86	14	85	1	0	1.101	1.5	0	1	0	0	10	3.0	4.5		sl SED
MSQ089-1	463	518	89	10	89	0	1	1.080	1.0	0	3	0	1	10	3.0	2.5	tr black leg, uniform round size	sl SED
Lamoka	418	441	95	5	93	2	0	1.096	1.0	0	0	0	0	10	3.0	2.5		tr SED
W2978-3	355	410	87	12	87	0	1	1.083	1.5	0	2	0	0	10	3.5	1.0	flat round tubers	sl SED
AF2291-10	351	412	85	12	84	1	3	1.096	1.5	0	2	0	0	10	3.5	3.0	oval tuber shape	tr SED
MSQ070-1	349	456	77	23	77	0	0	1.096	1.0	0	1	0	0	10	3.0	4.5	sticky stolons	sl SED
MSR159-2	345	385	90	10	87	3	0	1.103	1.0	1	3	0	0	10	2.5	4.0	large tuber size	sl SED
MSQ279-1	345	380	91	6	82	9	3	1.077	1.5	0	0	0	0	10	3.5	4.5		mod to sev SED
MSR157-1Y	326	371	87	12	86	1	1	1.088	1.5	1	2	0	0	10	2.5	2.0	flat round tubers	mod SED, 10 white flesh tubers, mix
<b>Snowden</b>	<b>309</b>	<b>407</b>	<b>76</b>	<b>23</b>	<b>74</b>	<b>2</b>	<b>1</b>	<b>1.095</b>	<b>1.0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>3.5</b>	<b>3.5</b>		<b>tr SED</b>
W4980-1	300	339	89	11	89	0	0	1.089	1.0	0	1	0	0	10	3.5	1.5	small round tubers	
MSH228-6	292	324	90	10	81	9	0	1.085	1.5	2	5	0	0	10	3.5	4.0		sl SED
MSR036-5	271	344	79	18	69	10	3	1.088	2.0	0	5	0	0	10	3.0	3.0	tr sticky stolon	
A01143-3C	260	437	59	20	59	0	21	1.093	1.0	0	2	0	0	10	3.5	4.5	heat sprouts in pickouts	tr SED
MSR061-1	181	265	68	31	68	0	1	1.094	1.5	0	2	0	0	10	2.5	2.0	uniform round tubers	sl SED
MSR169-8Y	141	197	72	25	72	0	3	1.091	1.0	0	1	0	0	10	2.0	3.5	light yellow flesh	
CO00188-4W	140	278	50	49	50	0	1	1.085	1.0	0	1	0	0	10	4.0	1.0	small round tubers	clean chips, small
<b>MEAN</b>	<b>350</b>	<b>417</b>	<b>82</b>					<b>1.092</b>										

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

<sup>1</sup> SIZE	<sup>2</sup> TUBER QUALITY (number of tubers per total cut)	<sup>3</sup> CHIP COLOR SCORE - Snack Food Association Scale (Out of the field)	<sup>4</sup> VINE VIGOR RATING	<sup>5</sup> VINE MATURITY RATING	Planted:	9-May-11
Bs: < 1 7/8"	HH: Hollow Heart	Ratings: 1 - 5	Date Taken: 10-Jun-11	Date Taken: 24-Aug-11	Vines Killed:	6-Sep-11
As: 1 7/8" - 3.25"	VD: Vascular Discoloration	1: Excellent	Ratings: 1 - 5	Ratings: 1 - 5	Days from Planting to Vine Kill:	120
OV: > 3.25"	IBS: Internal Brown Spot	5: Poor	1: Slow Emergence	1: Early (vines completely dead)	Seed Spacing:	10"
PO: Pickouts	BC: Brown Center		5: Early Emergence (vigorous vine, some flowering)	5: Late (vigorous vine, some flowering)	No Fumigation	

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