

**2010 MPIC Box Bin Processing Potato Variety Trial**  
**Montcalm Research Farm, Montcalm County, MI**  
 Harvest 28-Sep-10 141 Days  
 DD, Base 40<sup>6</sup> 3433

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					
MSP515-2	519	554	94	6	72	22	0	1.077	1.5	1	1	0	0	10	2.0	4.0	large tuber size	sl SED
A01143-3C	442	613	72	12	72	0	16	1.077	1.0	0	0	3	0	10	2.5	4.5	severe heat sprouts, knobs	tr SED
MSQ279-1	384	417	92	6	83	9	2	1.073	1.5	1	0	1	0	10	1.5	4.0		SED
NY139	382	422	90	10	81	9	0	1.085	1.0	0	0	0	0	10	2.5	3.0	smooth oval flattened tubers	tr SED
AF2291-10	381	449	85	13	77	8	2	1.085	1.5	2	6	0	0	10	1.5	2.5	not uniform type, tr points	sl SED, some HH
<b>Snowden</b>	<b>346</b>	<b>401</b>	<b>86</b>	<b>13</b>	<b>77</b>	<b>9</b>	<b>1</b>	<b>1.083</b>	<b>1.0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>2.0</b>	<b>3.0</b>		<b>tr SED</b>
MSH228-6	346	377	91	7	70	21	2	1.074	1.5	0	5	0	0	10	1.0	3.0	large tuber size	SED
A00188-3C	339	445	76	24	75	1	0	1.082	1.0	0	7	0	0	10	2.5	2.5	small uniform tuber type	sl SED
W5015-12	331	419	79	14	63	16	7	1.077	1.0	6	4	0	0	10	1.0	4.0	surface and pitted scab, large tuber size	VD
MSL007-B	319	381	84	16	80	4	0	1.078	1.0	1	1	0	0	10	1.5	2.5	heavy netted skin, uniform tuber type	
MSR102-3	297	345	86	13	80	6	1	1.079	1.5	0	4	0	0	10	1.5	5.0	sticky stolons	SED
W2978-3	295	369	80	18	77	3	2	1.072	1.5	0	3	0	0	10	2.5	1.5	bright tuber appearance	tr SED
MSP459-5	291	386	75	25	75	0	0	1.070	1.0	0	2	0	0	10	2.0	2.5	netted skin, uniform tuber type	tr SED
W2310-3	268	353	76	17	76	0	7	1.087	1.0	0	1	0	0	10	1.5	3.0	misshapen tubers in pickouts, surface and pitted scab	tr SED
MSP270-1	252	304	83	17	80	3	0	1.074	1.0	0	1	1	0	10	1.0	3.5	netted skin, uniform type	
MSL292-A	244	344	71	29	71	0	0	1.074	1.0	0	2	0	0	10	2.0	2.5	uniform type	tr SED
W2717-5	212	263	81	17	79	2	2	1.087	1.0	1	2	0	2	10	2.0	1.5		sl SED
MSQ070-1	211	255	83	17	77	6	0	1.085	1.5	2	2	3	0	10	1.0	4.5	sticky stolons	tr SED
MSR061-1	195	255	76	24	76	0	0	1.076	1.0	0	0	0	0	10	1.0	3.0	netted skin, uniform type	tr SED
CO00188-4W	185	313	59	41	59	0	0	1.069	1.0	0	2	0	0	10	3.0	2.5	small uniform tuber type	
CO00197-3W	87	144	61	37	61	0	2	1.066	1.0	1	3	0	0	10	2.0	4.0	small tuber yield	tr SED

MEAN 301 372 80

1.078

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:	10-May-10
Bs: < 1 7/8"	HH: Hollow Heart		Date Taken: 8-Jun-10	Date Taken: 24-Aug-10	Vines Killed:	7-Sep-10
As: 1 7/8" - 3.25"	VD: Vascular Discoloration	Ratings: 1 - 5	Ratings: 1 - 5	Ratings: 1 - 5	Days from Planting to Vine Kill:	120
OV: > 3.25"	IBS: Internal Brown Spot	1: Excellent	1: Slow Emergence	1: Early (vines completely dead)	Seed Spacing:	10"
PO: Pickouts	BC: Brown Center	5: Poor	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