

**2011 Processing Potato Variety Trial**  
**Walther Farms - Overall Averages, St. Joseph County, MI**  
 Harvest 14-Sep-11 134 Days  
 DD, Base 40<sup>6</sup> 3896

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						
MSR157-1Y	682	746	91	9	91	0	0	1.069	1.5	0	4	0	0	10	2.0	3.0	yellow flesh	SED in 6 chips	
NYE106-4	659	730	90	10	88	2	0	1.072	1.0	0	0	1	0	10	2.5	4.0		SED in 6 chips	
<b>FL 1879</b>	<b>635</b>	<b>674</b>	<b>94</b>	<b>6</b>	<b>86</b>	<b>8</b>	<b>0</b>	<b>1.068</b>	<b>2.0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>2.5</b>	<b>3.5</b>	<b>sl pinkeye</b>		
AF2291-10	634	709	89	7	81	8	4	1.076	1.0	2	1	0	0	10	2.0	4.5	heat sprout and gc in pickouts	SED in 8 chips	
MSL292-A*	624	675	93	7	87	6	0	1.072	1.0	0	1	1	0	40	2.9	2.8	misshapen tubers in pickouts	clean	
NY140	614	666	92	8	81	11	0	1.066	1.0	2	0	0	0	10	3.0	3.5	thin skinned	tr heat necrosis	
<b>Snowden*</b>	<b>597</b>	<b>646</b>	<b>93</b>	<b>7</b>	<b>79</b>	<b>14</b>	<b>0</b>	<b>1.073</b>	<b>1.0</b>	<b>2</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>40</b>	<b>3.0</b>	<b>3.9</b>	<b>1 tuber with black leg</b>	<b>sl SED in 8 chips</b>	
MSL007-B*	586	684	85	15	85	0	0	1.066	1.0	0	1	1	0	40	1.9	3.6	heavy netted skin, uniform round tubers	sl SED in 6 chips	
MSQ089-1	583	681	86	13	86	0	1	1.063	1.5	0	3	0	0	10	3.5	4.0	misshapen tubers in pickouts	high oil absorption	
W4980-1	578	641	90	10	83	7	0	1.070	1.5	1	2	3	0	10	3.5	4.0	gc in pickouts	severe SED in 14 chips	
Lamoka*	578	626	92	8	86	6	0	1.076	1.0	0	1	1	0	40	2.6	3.1	tr heat sprouts	1 heat necrosis, SED in 4 chips	
MSS165-2Y	555	679	82	17	82	0	1	1.081	1.0	0	1	1	0	10	3.0	3.0	misshapen tubers in pickouts, yellow flesh	tr SED in 4 chips	
MSQ086-3	550	685	80	19	80	0	1	1.066	1.0	0	0	0	0	10	2.5	3.5	small tubers, misshapen tubers in pickouts	SED in 4 chips	
W2978-3	524	639	82	18	82	0	0	1.065	1.5	1	0	0	0	10	3.0	3.0		severe SED in 16 chips	
CO00188-4W	498	600	83	17	83	0	0	1.064	1.0	0	0	0	0	10	4.0	1.5		clean	
MSH228-6*	471	517	91	6	83	8	3	1.064	1.0	1	2	0	0	40	2.8	3.4	1 rotten tuber, alligator hide, misshapen tuber and gc in pickouts	SED in 14 chips	
MSR169-8Y	462	542	86	13	84	2	1	1.068	1.0	0	0	0	0	10	2.0	3.0	misshapen tubers in pickouts	tr SED in 2 chips	
A01143-3C*	446	542	82	11	80	2	7	1.068	1.0	0	1	1	0	40	3.3	4.9	heat sprout and misshapen tubers in pickouts, heat necrosis, sticky stolen	tr SED in 8 chips	
MSQ279-A	431	468	92	8	90	2	0	1.071	1.0	0	1	0	0	10	3.0	4.0	gc in pickouts	sl SED in 8 chips	
MSR061-1*	428	507	84	16	83	1	0	1.066	1.0	0	1	0	0	40	3.0	2.8	heavy netted skin	tr SED in 6 chips	
<b>Pike</b>	<b>392</b>	<b>458</b>	<b>86</b>	<b>13</b>	<b>86</b>	<b>0</b>	<b>1</b>	<b>1.079</b>	<b>1.0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>2.5</b>	<b>3.5</b>		<b>1 heat necrosis</b>	
MSQ070-1*	382	478	80	17	80	0	3	1.080	1.0	0	2	1	0	40	2.6	4.3	misshapen tubers and heat sprouts in pickouts	SED in 6 chips	
MSR159-2	287	328	87	12	78	9	1	1.070	1.0	1	2	0	0	10	2.5	4.0	misshapen tubers in pickouts	SED in 8 chips	
<b>MEAN</b>	<b>530</b>	<b>605</b>	<b>87</b>					<b>1.070</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)  
 Bs: < 1 7/8"       HH: Hollow Heart  
 As: 1 7/8" - 3.25"   VD: Vascular Discoloration  
 OV: > 3.25"       IBS: Internal Brown Spot  
 PO: Pickouts       BC: Brown Center

<sup>3</sup>CHIP COLOR SCORE - Snack Food Association Scale  
 (Out of the field)  
 Ratings: 1 - 5  
 1: Excellent  
 5: Poor

<sup>4</sup>VINE VIGOR RATING  
 Date Taken: 2-Jun-11  
 Ratings: 1 - 5  
 1: Slow Emergence  
 5: Early Emergence (vigorous vine, some flowering)

<sup>5</sup>VINE MATURITY RATING  
 Date Taken: 26-Aug-11  
 Ratings: 1 - 5  
 1: Early (vines completely dead)  
 5: Late (vigorous vine, some flowering)

Planted: 3-May-11  
 Vines Killed: 2-Sep-11  
 Days from Planting to Vine Kill: 122  
 Seed Spacing: 10"  
 No Fumigation

\* = Average of 4 Replications

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