

# 2009 Processing Potato Variety Trial Walther Farms, St. Joseph County, MI

Harvest 15-Sep-09      133 Days  
DD, Base 40<sup>6</sup>      3217

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>6</sup>	COMMENTS
	US# 1	Total	US#1	Bs	As	OV	PO			HH	VD	IBS	BC				
MSL292-A	757	788	96	4	91	5	0	1.074	1.0	0	0	5	0	30	2.2	3.3	sl pitted scab, nice uniform type
W5015-12	737	812	91	6	90	1	3	1.080	1.0	1	0	3	0	30	2.3	4.4	gc and misshapen in pickouts, tr pitted scab
<b>Snowden</b>	<b>727</b>	<b>757</b>	<b>96</b>	<b>4</b>	<b>95</b>	<b>1</b>	<b>0</b>	<b>1.073</b>	1.0	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>2.5</b>	<b>4.0</b>	<b>sl pitted and surface scab</b>
<b>FL1879</b>	<b>721</b>	<b>760</b>	<b>95</b>	<b>2</b>	<b>89</b>	<b>6</b>	<b>3</b>	<b>1.070</b>	1.0	<b>1</b>	<b>1</b>	<b>6</b>	<b>0</b>	<b>30</b>	<b>2.2</b>	<b>3.3</b>	<b>misshapen in pickouts, tr surface scab</b>
W2133-1	689	816	85	14	84	1	1	1.076	1.0	0	0	1	0	20	2.7	4.3	misshapen pickouts, tr surface scab
FL2053	679	722	94	4	91	3	2	1.088	1.0	0	0	0	0	30	2.5	3.7	tr pitted scab, oblong
CO00197-3W	672	760	88	8	88	0	4	1.074	1.0	0	1	0	0	30	2.7	3.5	sl pitted scab, 1 rot - pythium leak
NY139	662	677	98	2	97	1	0	1.077	1.0	0	0	0	0	30	2.8	3.7	clean
MSL007-B	652	690	95	5	95	0	0	1.072	1.0	0	0	0	0	30	1.5	3.3	nice uniform type, russet skin
MSM037-3	648	711	91	6	89	2	3	1.062	1.0	2	0	0	0	30	2.3	3.5	1 rotten, tr surface scab, alligator hide, tr gc and misshapen pickouts
MSN170-A	622	663	94	2	89	5	4	1.066	1.5	1	0	0	0	30	1.8	3.3	oval, oblong, not uniform type
CO00188-4W	615	687	90	9	90	0	1	1.078	1.0	0	0	2	0	30	3.2	2.8	tr black leg, tr surface scab
<b>FL1867</b>	<b>600</b>	<b>635</b>	<b>94</b>	<b>5</b>	<b>93</b>	<b>1</b>	<b>1</b>	<b>1.079</b>	<b>1.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>2.5</b>	<b>2.7</b>	<b>tr pitted scab, sheepsnose in pickouts</b>
MSQ070-1	578	662	88	7	88	0	5	1.082	1.0	8	1	2	0	30	2.5	4.9	tr pitted scab, 1 rotten, gc, misshapen in pickouts, sticky stolen
MSQ279-1	569	591	96	2	89	7	2	1.063	1.0	0	0	0	0	30	2.7	4.6	tr surface scab, gc and misshapen in pickouts
MSP459-5	556	607	91	7	88	3	2	1.067	1.0	2	0	0	0	30	2.8	2.7	3 pythium, deep apical eyes in pickouts
MSJ126-9Y	554	615	90	5	90	0	5	1.075	1.0	0	0	1	0	30	2.2	2.7	gc in pickouts, tr surface scab
<b>Pike</b>	<b>534</b>	<b>574</b>	<b>93</b>	<b>5</b>	<b>92</b>	<b>1</b>	<b>2</b>	<b>1.073</b>	1.0	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>30</b>	<b>1.7</b>	<b>3.7</b>	<b>misshapen pickouts, sl gc, 1 sheepsnose</b>
FL1922	519	549	94	5	94	0	1	1.072	1.0	0	2	1	0	30	1.8	3.8	oblong tuber type, gc in pickouts, pear shape
MSJ147-1	489	598	82	11	82	0	7	1.082	1.0	3	0	0	0	30	1.8	4.6	points, gc, tr surface scab, not uniform type - pear shape
MSH228-6	488	517	94	4	93	1	2	1.071	1.0	0	0	0	0	30	2.3	4.8	tr gc
CO00270-7W	468	528	88	8	88	0	4	1.069	1.0	0	0	0	0	30	2.2	2.7	misshapen in pickouts, tr pitted scab, small size
CO95051-7W	414	457	91	7	91	0	2	1.080	1.0	0	0	3	0	30	1.7	3.5	tr surface scab, small size
<b>MEAN</b>	<b>607</b>	<b>660</b>	<b>92</b>					<b>1.074</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	<sup>4</sup> VINE VIGOR RATING	<sup>5</sup> VINE MATURITY RATING	Planted:	5-May-09
Bs: < 2"	HH: Hollow Heart	(Out of the field)	Date Taken: 25-Jun-09	Date Taken: 28-Aug-09	Vines Killed:	4-Sep-09
As: 2" - 4"	VD: Vascular Discoloration	Ratings: 1 - 5	Ratings: 1 - 5	Ratings: 1 - 5	Days from Planting to Vine Kill:	119
OV: > 4"	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)	Fall Fumigation	<sup>6</sup> MAWN STATION: Constantine Planting to Vine Kill