

2010 Processing Potato Variety Trial
Walther Farms, St. Joseph County, MI
 Harvest 10-Sep-10 128 Days
 DD, Base 40⁶ 3838

LINE	CWT/A		PERCENT OF TOTAL ¹					SP GR	CHIP SCORE ³	TUBER QUALITY ²				TOTAL CUT	VINE VIGOR ⁴	VINE MATURITY ⁵	COMMENTS	CHIP COMMENTS
	US#1	TOTAL	US#1	Bs	As	OV	PO			HH	VD	IBS	BC					
FL1879	659	666	99	1	99	0	0	1.080	3.0	3	0	0	0	10	2.5	4.0	heat necrosis in one tuber	SED, severe internal color
Snowden	632	657	96	3	96	0	1	1.088	2.0	3	1	0	0	10	3.0	4.0	heat sprouts	severe SED
MSL007-B	621	631	98	2	98	0	0	1.079	1.0	1	0	0	0	10	2.0	4.0	nice uniform type, heavy netted skin, heat necrosis in two tubers	tr SED
NY139	620	647	96	4	93	3	0	1.092	1.0	1	0	0	0	10	3.0	2.0	heat necrosis in one tuber	severe VD
W2133-1	602	669	90	10	90	0	0	1.091	2.0	0	0	0	0	10	3.5	3.5	heat necrosis in five tubers	VD and severe SED
MSH228-6	594	606	98	2	96	2	0	1.081	1.5	0	0	0	0	10	3.5	3.0	surface scab	severe SED
MSL292-A	584	616	95	5	95	0	0	1.087	1.0	1	0	0	0	10	3.5	2.0	pitted and surface scab, heat necrosis in three tubers	tr SED
MSQ035-3	561	596	94	6	94	0	0	1.063	1.5	0	0	0	0	10	2.5	3.0		SED and VD
W5015-12	544	615	89	11	89	0	0	1.089	1.5	1	0	0	0	10	3.5	3.5	heat necrosis in five tubers	sl SED
A00188-3C	525	591	89	7	89	0	4	1.082	1.5	0	0	0	0	10	4.0	2.5		severe SED
CO00197-3W	510	619	82	14	82	0	4	1.079	1.0	0	0	0	0	10	4.0	3.0		tr VD
MSP515-2	488	531	92	8	92	0	0	1.078	1.5	0	0	0	0	10	3.0	4.5	uniform tuber type	sl SED
W2978-3	486	536	91	4	91	0	5	1.077	1.5	1	2	0	0	10	2.0	3.0	sl surface scab, sl gc, heat necrosis in one tuber	severe SED
CO00188-4W	449	536	84	16	84	0	0	1.084	1.0	0	0	0	0	10	3.5	2.0	small tuber type	
A01143-3C	448	481	93	5	93	0	2	1.082	1.5	0	0	0	0	10	3.5	3.0		significant VD
W2717-5	438	477	92	5	92	0	3	1.099	1.0	2	0	0	0	10	3.0	2.5	oval to oblong tuber type, 1 gc	sl SED
Pike	398	439	91	6	91	0	3	1.082	1.0	0	0	0	0	10	2.5	3.5	heat necrosis in two tubers	tr heat necrosis
W2310-3	382	496	77	10	77	0	13	1.083	1.0	0	1	0	0	10	3.5	3.0	heat necrosis in one tuber, not uniform tuber type	tr SED
MSQ070-1	359	451	80	12	80	0	8	1.091	1.0	1	0	0	0	10	2.5	4.0		tr SED
MSQ279-1	357	385	93	7	86	7	0	1.074	1.5	1	0	0	0	10	3.0	3.5	heat necrosis in two tubers, heat sprouts, deep apical eyes	tr SED
MSP459-5	287	349	82	18	82	0	0	1.082	1.5	1	0	0	0	10	3.0	2.5		severe SED, heat necrosis
MSR102-3	257	288	89	3	89	0	8	1.084	3.0	0	0	0	0	10	3.0	4.5	heat sprouts	VD and severe SED
MSR061-1	231	279	83	17	83	0	0	1.084	1.5	0	0	0	0	10	2.5	3.0	heavy netted skin	sl SED
CO95051-7W	111	214	52	35	52	0	13	1.076	1.0	0	2	0	0	10	2.0	4.0	growth cracks, small tuber size	

MEAN 464 516 88

1.083

tr = trace, sl = slight, N/A = not applicable

SED = stem end defect, gc = growth crack

¹SIZE
 Bs: < 1 7/8"
 As: 1 7/8" - 3.25"
 OV: > 3.25"
 PO: Pickouts

²TUBER QUALITY (number of tubers per total cut)
 HH: Hollow Heart
 VD: Vascular Discoloration
 IBS: Internal Brown Spot
 BC: Brown Center

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

⁴VINE VIGOR RATING
 Date Taken: 28-Jun-10
 Ratings: 1 - 5
 1: Slow Emergence
 5: Early Emergence (vigorous vine, some flowering)

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

Planted: 5-May-10
 Vines Killed: 7-Sep-10
 Days from Planting to Vine Kill: 125
 Seed Spacing: 10"
 No Fumigation

⁶MAWN STATION: Constantine Planting to Vine Kill