

## Chapter 9. HZPC Americas Corporation Early-Line Variety Trial, 2006 <sup>1</sup>

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C.M. Hutchinson, and Doug Gergela<sup>2</sup>

### ***General Comments***

A goal of this trial was to evaluate the production characteristics of early generation clones and advanced varieties from HZPC Americas Corporation in Florida. Many of these European lines have unique quality characteristics that could broaden the definition of “new” Florida potato beyond the standard Red LaSoda!

### ***Planting Information***

Planting Site	PSREU - Hastings Farm, Hastings, FL
Planting Date	February 1, 2006
Vine Kill Date	April 28, 2006
Harvest Date	May 23 and 24, 2006
Season Length	100 days planting to vine kill; 112 days planting to harvest
Fertilizer Program	preplant, 100-43-86 lb/A; sidedress, 65-0-56 lb/A (2 appl.)
Irrigation Program	seepage

### ***Experimental Design***

Number of Varieties	13
Number of Clones	221
Seed Tuber Type	cut seed
Within Row Spacing	8 in (20 cm)
Between Row Spacing	40 in (102 cm)
Replications	1 replication observational trial
Plot Size	10.7 ft (3.3 m)

### ***Production Statistics***

Early Vigor Ratings	41 days after planting
Highest Total Yield	HZPC 43 (602 cwt/A or 67.4 MT/ha)
Highest Marketable Yield	HZPC 11 (438 cwt/A or 49.1 MT/ha)
Best Appearance Rating	HZPC 76, 78, and 80 (7.5)

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**Table 2.** Production statistics for HZPC potato selections.

Clone	Total Yield (cwt/A)	Marketable Yield <sup>1</sup>		Size							Specific Gravity	
		(cwt/A)	% of standard	Distribution by Class (%) <sup>2</sup>								
		C	B	A1	A2	A3	A4	A1 to A3	A2 to A3	Range (%)		
LaChipper	404	343	100	1	14	81	4	0	0	85	4	1.070
Adora	325	250	73	0	21	79	0	0	0	79	0	1.062
Atlantic	346	311	91	1	5	78	16	0	0	94	16	1.076
Belrus	301	262	77	0	12	87	0	0	0	87	0	1.075
Fabula	362	289	84	1	10	77	13	0	0	89	13	1.051
Goldrush	405	382	111	0	4	85	11	0	0	96	11	1.070
Harley Blackwell	337	240	70	3	19	71	7	0	0	79	7	1.074
LaRouge	398	334	98	1	13	81	5	0	0	86	5	1.061
Red LaSoda	421	385	112	1	5	68	27	0	0	95	27	1.058
Red Pontiac	468	432	126	1	6	72	22	0	0	93	22	1.060
Russet Burbank	297	164	48	3	42	55	0	0	0	55	0	1.064
Sebago	290	199	58	1	11	69	7	13	0	88	20	1.053
Yukon Gold	391	299	87	1	10	74	14	0	0	88	14	1.067
HZPC 1	375	359	105	2	3	62	34	0	0	96	34	1.075
HZPC 2	524	327	96	1	34	65	0	0	0	65	0	1.064
HZPC 3	343	243	71	1	26	73	0	0	0	73	0	1.042
HZPC 4	478	384	112	1	17	82	0	0	0	82	0	1.056
HZPC 5	427	80	23	6	75	19	0	0	0	19	0	1.059
HZPC 6	415	334	97	1	18	81	0	0	0	81	0	1.060
HZPC 7	430	390	114	1	6	88	5	0	0	93	5	1.069
HZPC 8	456	203	59	1	54	45	0	0	0	45	0	1.065
HZPC 9	395	269	78	2	30	66	2	0	0	69	2	1.069
HZPC 10	502	421	123	0	13	82	4	0	0	87	4	1.064
HZPC 11	529	438	128	0	14	80	6	0	0	86	6	1.054
HZPC 12	394	228	67	0	41	59	0	0	0	59	0	1.061
HZPC 13	343	225	66	2	30	68	0	0	0	68	0	1.066
HZPC 14	367	314	92	1	13	72	14	0	0	86	14	1.065
HZPC 15	289	245	71	2	14	82	2	0	0	85	2	1.074
HZPC 16	74	26	8	8	55	37	0	0	0	37	0	1.055

Table 2. Production statistics for HZPC potato selections.

Clone	Total Yield (cwt/A)	Marketable Yield <sup>1</sup>		Size										Specific Gravity		
		(cwt/A)	% of standard	Distribution by Class (%) <sup>2</sup>												
				C	B	A1	A2	A3	A4	A1 to A3	A2 to A3	Range (%)				
HZPC 17	35	0	0	17	83	0	0	0	0	0	0	0	0	0	0	1.068
HZPC 18	377	223	65	1	40	59	0	0	0	0	0	0	59	0	0	1.067
HZPC 19	380	309	90	1	17	80	2	0	0	0	0	0	82	2	0	1.061
HZPC 20	390	64	19	2	80	17	0	0	0	0	0	0	17	0	0	1.060
HZPC 21	450	329	96	1	23	76	0	0	0	0	0	0	76	0	0	1.062
HZPC 22	365	267	78	2	22	76	0	0	0	0	0	0	76	0	0	1.068
HZPC 23	120	49	14	3	54	43	0	0	0	0	0	0	43	0	0	1.051
HZPC 24	322	187	55	1	40	59	0	0	0	0	0	0	59	0	0	1.071
HZPC 25	59	0	0	13	87	0	0	0	0	0	0	0	0	0	0	1.057
HZPC 26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HZPC 27	335	207	61	1	35	64	0	0	0	0	0	0	64	0	0	1.064
HZPC 28	283	106	31	2	60	38	0	0	0	0	0	0	38	0	0	1.053
HZPC 29	347	110	32	3	64	33	0	0	0	0	0	0	33	0	0	1.055
HZPC 30	308	148	43	4	45	52	0	0	0	0	0	0	52	0	0	1.057
HZPC 31	472	324	95	2	24	71	3	0	0	0	0	0	74	3	0	1.059
HZPC 32	160	56	16	5	55	39	0	0	0	0	0	0	39	0	0	1.045
HZPC 33	489	371	108	0	18	77	4	0	0	0	0	0	81	4	0	1.060
HZPC 34	364	94	27	2	71	27	0	0	0	0	0	0	27	0	0	1.075
HZPC 35	437	188	55	2	49	49	0	0	0	0	0	0	49	0	0	1.068
HZPC 36	345	225	66	1	30	68	0	0	0	0	0	0	68	0	0	1.067
HZPC 37	134	44	13	13	41	46	0	0	0	0	0	0	46	0	0	1.060
HZPC 38	431	327	95	2	17	71	11	0	0	0	0	0	81	11	0	1.070
HZPC 39	186	27	8	5	80	15	0	0	0	0	0	0	15	0	0	1.072
HZPC 40	457	374	109	1	11	78	10	0	0	0	0	0	88	10	0	1.056
HZPC 41	334	255	75	2	20	72	6	0	0	0	0	0	78	6	0	1.076
HZPC 42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HZPC 43	602	230	67	5	51	44	0	0	0	0	0	0	44	0	0	1.077
HZPC 44	409	138	40	2	57	41	0	0	0	0	0	0	41	0	0	1.072
HZPC 45	319	109	32	4	60	36	0	0	0	0	0	0	36	0	0	1.071
HZPC 46	308	74	21	7	68	25	0	0	0	0	0	0	25	0	0	1.073

**Table 2.** Production statistics for HZPC potato selections.

Clone	Total Yield (cwt/A)	Marketable Yield <sup>1</sup>		Size							Size Class			Specific Gravity
		(cwt/A)	% of standard	Distribution by Class (%) <sup>2</sup>							Range (%)			
				C	B	A1	A2	A3	A4	A1 to A3	A2 to A3	A2 to A3		
HZPC 47	375	74	22	7	71	22	0	0	0	0	0	22	0	1.068
HZPC 48	336	23	7	5	89	7	0	0	0	0	0	7	0	1.076
HZPC 49	249	0	0	4	96	0	0	0	0	0	0	0	0	1.078
HZPC 50	340	135	39	2	57	41	0	0	0	0	0	41	0	1.077
HZPC 51	319	116	34	1	57	41	0	0	0	0	0	41	0	1.074
HZPC 52	396	262	77	1	28	71	0	0	0	0	0	71	0	1.069
HZPC 53	349	47	14	5	82	14	0	0	0	0	0	14	0	1.074
HZPC 54	410	314	92	2	15	73	11	0	0	0	0	84	11	1.073
HZPC 55	350	137	40	2	57	42	0	0	0	0	0	42	0	1.058
HZPC 56	349	232	68	1	26	73	0	0	0	0	0	73	0	1.066
HZPC 57	443	325	95	1	16	76	8	0	0	0	0	84	8	1.065
HZPC 58	511	362	106	1	8	92	0	0	0	0	0	92	0	1.059
HZPC 59	177	108	32	2	30	64	4	0	0	0	0	67	4	1.047
HZPC 60	497	380	111	1	18	75	6	0	0	0	0	81	6	1.063
HZPC 61	396	197	57	2	45	53	0	0	0	0	0	53	0	1.068
HZPC 62	342	113	33	3	41	56	0	0	0	0	0	56	0	1.061
HZPC 63	488	302	88	2	31	64	2	0	0	0	0	67	2	1.059
HZPC 64	399	325	95	1	16	76	8	0	0	0	0	83	8	1.069
HZPC 65	563	399	116	1	20	79	0	0	0	0	0	79	0	1.059
HZPC 66	335	221	64	4	13	83	0	0	0	0	0	83	0	1.066
HZPC 67	336	299	87	1	8	78	11	3	0	0	0	92	14	1.060
HZPC 68	478	166	48	3	59	38	0	0	0	0	0	38	0	1.060
HZPC 69	421	153	45	1	59	39	0	0	0	0	0	39	0	1.062
HZPC 70	394	245	71	1	30	69	0	0	0	0	0	69	0	1.067
HZPC 71	440	320	94	1	24	75	0	0	0	0	0	75	0	1.063
HZPC 72	339	198	58	2	39	59	0	0	0	0	0	59	0	1.068
HZPC 73	466	329	96	1	17	82	0	0	0	0	0	82	0	1.058
HZPC 74	409	154	45	1	57	42	0	0	0	0	0	42	0	1.055
HZPC 75	258	192	56	2	23	75	0	0	0	0	0	75	0	1.062
HZPC 76	352	15	4	7	89	4	0	0	0	0	0	4	0	1.065

**Table 2.** Production statistics for HZPC potato selections.

Clone	Total Yield (cwt/A)	Marketable Yield <sup>1</sup>		Size										Specific Gravity	
		(cwt/A)	% of standard	Distribution by Class (%) <sup>2</sup>											
				C	B	A1	A2	A3	A4	A1 to A3	A2 to A3	Range (%)			
HZPC 77	284	74	22	4	70	27	0	0	0	0	0	0	27	0	1.064
HZPC 78	321	59	17	3	79	18	0	0	0	0	0	0	18	0	1.066
HZPC 79	347	303	88	1	8	86	4	0	0	0	0	0	91	4	1.066
HZPC 80	399	101	29	6	68	26	0	0	0	0	0	0	26	0	1.052
HZPC 81	439	245	71	1	40	59	0	0	0	0	0	0	59	0	1.065
HZPC 82	354	188	55	3	43	54	0	0	0	0	0	0	54	0	1.067
HZPC 83	406	324	95	1	18	79	2	0	0	0	0	0	81	2	1.061
HZPC 84	110	0	0	10	90	0	0	0	0	0	0	0	0	0	1.054
HZPC 85	336	250	73	1	15	74	10	0	0	0	0	0	84	10	1.067
HZPC 86	370	176	51	2	47	51	0	0	0	0	0	0	51	0	1.068
HZPC 87	389	237	69	0	33	67	0	0	0	0	0	0	67	0	1.064
HZPC 88	409	298	87	1	21	78	0	0	0	0	0	0	78	0	1.054
HZPC 89	311	93	27	1	55	44	0	0	0	0	0	0	44	0	1.069
HZPC 90	267	110	32	2	55	44	0	0	0	0	0	0	44	0	1.055
HZPC 91	363	175	51	3	37	60	0	0	0	0	0	0	60	0	1.054
HZPC 92	368	42	12	2	86	12	0	0	0	0	0	0	12	0	1.064
HZPC 93	358	133	39	2	58	40	0	0	0	0	0	0	40	0	1.067
HZPC 94	325	228	66	0	8	85	7	0	0	0	0	0	92	7	1.064
HZPC 95	415	150	44	3	57	40	0	0	0	0	0	0	40	0	1.056
HZPC 96	348	13	4	3	93	4	0	0	0	0	0	0	4	0	1.067
HZPC 97	271	0	0	3	97	0	0	0	0	0	0	0	0	0	1.056
HZPC 98	292	53	15	9	72	19	0	0	0	0	0	0	19	0	1.064
HZPC 99	381	223	65	1	27	72	0	0	0	0	0	0	72	0	1.050
HZPC 100	366	309	90	1	11	83	5	0	0	0	0	0	88	5	1.072
HZPC 101	280	236	69	1	13	86	0	0	0	0	0	0	86	0	1.071
HZPC 102	301	98	29	1	66	33	0	0	0	0	0	0	33	0	1.070
HZPC 103	275	47	14	4	77	19	0	0	0	0	0	0	19	0	1.066
HZPC 104	242	74	22	1	66	33	0	0	0	0	0	0	33	0	1.061
HZPC 105	349	220	64	3	32	65	0	0	0	0	0	0	65	0	1.064
HZPC 106	382	268	78	1	21	78	0	0	0	0	0	0	78	0	1.062

Table 2. Production statistics for HZPC potato selections.

Clone	Total Yield (cwt/A)	Marketable Yield <sup>1</sup>		Size										Specific Gravity		
		(cwt/A)	% of standard	Distribution by Class (%) <sup>2</sup>												
				C	B	A1	A2	A3	A4	A1 to A3	A2 to A3	Range (%)				
HZPC 107	73	11	3	8	76	15	0	0	0	0	0	0	0	15	0	1.047
HZPC 108	416	303	89	1	16	83	0	0	0	0	0	0	0	83	0	1.062
HZPC 109	261	157	46	2	38	60	0	0	0	0	0	0	0	60	0	1.072
HZPC 110	405	327	96	1	15	75	10	0	0	0	0	0	0	84	10	1.062
HZPC 111	428	381	111	0	7	81	11	0	0	0	0	0	0	93	11	1.064
HZPC 112	456	339	99	1	22	76	2	0	0	0	0	0	0	78	2	1.064
HZPC 113	428	284	83	2	31	66	2	0	0	0	0	0	0	68	2	1.063
HZPC 114	457	337	98	1	21	71	8	0	0	0	0	0	0	79	8	1.067
HZPC 115	482	384	112	1	16	78	6	0	0	0	0	0	0	84	6	1.061
HZPC 116	485	285	83	2	36	61	1	0	0	0	0	0	0	62	1	1.063
HZPC 117	452	294	86	2	27	71	0	0	0	0	0	0	0	71	0	1.059
HZPC 118	340	218	64	2	24	74	0	0	0	0	0	0	0	74	0	1.064
HZPC 119	366	287	84	2	17	75	6	0	0	0	0	0	0	81	6	1.063
HZPC 120	358	310	91	1	11	62	26	0	0	0	0	0	0	88	26	1.061
HZPC 121	280	200	58	1	21	78	0	0	0	0	0	0	0	78	0	1.061
HZPC 122	288	247	72	2	9	78	10	0	0	0	0	0	0	88	10	1.071
HZPC 123	308	223	65	3	25	71	2	0	0	0	0	0	0	73	2	1.061
HZPC 124	96	9	3	10	78	12	0	0	0	0	0	0	0	12	0	1.050
HZPC 125	100	0	0	12	88	0	0	0	0	0	0	0	0	0	0	1.047
HZPC 126	353	138	40	3	56	41	0	0	0	0	0	0	0	41	0	1.057
HZPC 127	326	97	28	1	67	29	3	0	0	0	0	0	0	32	3	1.066
HZPC 128	366	269	79	2	18	75	5	0	0	0	0	0	0	80	5	1.055
HZPC 129	380	61	18	8	74	17	0	0	0	0	0	0	0	17	0	1.066
HZPC 130	404	289	84	1	22	75	2	0	0	0	0	0	0	78	2	1.054
HZPC 131	377	215	63	2	32	66	0	0	0	0	0	0	0	66	0	1.061
HZPC 132	341	140	41	5	48	44	3	0	0	0	0	0	0	47	3	1.060
HZPC 133	306	212	62	2	24	71	3	0	0	0	0	0	0	74	3	1.067
HZPC 134	369	228	67	2	34	64	0	0	0	0	0	0	0	64	0	1.067
HZPC 135	193	62	18	4	60	37	0	0	0	0	0	0	0	37	0	1.067
HZPC 136	343	146	43	1	53	46	0	0	0	0	0	0	0	46	0	1.066

**Table 2.** Production statistics for HZPC potato selections.

Clone	Total Yield (cwt/A)	Marketable Yield <sup>1</sup>		Size										Specific Gravity	
		(cwt/A)	% of standard	Distribution by Class (%) <sup>2</sup>											
				C	B	A1	A2	A3	A4	A1 to A3	A2 to A3	Range (%)			
HZPC 137	329	171	50	2	44	55	0	0	0	0	0	0	55	0	1.066
HZPC 138	362	262	76	1	26	73	0	0	0	0	0	0	73	0	1.064
HZPC 139	406	259	76	1	27	72	0	0	0	0	0	0	72	0	1.052
HZPC 140	348	302	88	1	7	68	24	0	0	0	0	0	92	24	1.073
HZPC 141	268	86	25	4	62	33	0	0	0	0	0	0	33	0	1.066
HZPC 142	290	156	45	3	38	59	0	0	0	0	0	0	59	0	1.057
HZPC 143	354	136	40	1	59	38	2	0	0	0	0	0	40	2	1.058
HZPC 144	26	5	1	39	43	18	0	0	0	0	0	0	18	0	1.046
HZPC 145	344	181	53	3	40	58	0	0	0	0	0	0	58	0	1.066
HZPC 146	385	250	73	1	25	72	2	0	0	0	0	0	75	2	1.058
HZPC 147	255	46	13	2	70	27	0	0	0	0	0	0	27	0	1.056
HZPC 148	265	128	37	4	45	51	0	0	0	0	0	0	51	0	1.059
HZPC 149	334	257	75	1	18	81	0	0	0	0	0	0	81	0	1.058
HZPC 150	383	284	83	1	22	77	0	0	0	0	0	0	77	0	1.063
HZPC 151	201	92	27	5	47	48	0	0	0	0	0	0	48	0	1.047
HZPC 152	373	251	73	1	27	68	4	0	0	0	0	0	72	4	1.063
HZPC 153	304	250	73	1	11	88	0	0	0	0	0	0	88	0	1.064
HZPC 154	203	39	11	9	71	20	0	0	0	0	0	0	20	0	1.069
HZPC 155	309	165	48	3	41	48	8	0	0	0	0	0	56	8	1.059
HZPC 156	223	105	31	4	37	59	0	0	0	0	0	0	59	0	1.061
HZPC 157	383	337	98	1	9	79	11	0	0	0	0	0	90	11	1.056
HZPC 158	402	244	71	1	33	64	2	0	0	0	0	0	66	2	1.071
HZPC 159	440	208	61	1	49	50	0	0	0	0	0	0	50	0	1.055
HZPC 160	376	308	90	1	12	88	0	0	0	0	0	0	88	0	1.060
HZPC 161	446	361	105	0	18	82	0	0	0	0	0	0	82	0	1.064
HZPC 162	301	142	42	3	49	47	0	0	0	0	0	0	47	0	1.074
HZPC 163	367	232	68	2	31	67	0	0	0	0	0	0	67	0	1.071
HZPC 164	367	228	66	2	29	70	0	0	0	0	0	0	70	0	1.059
HZPC 165	358	334	98	0	3	88	9	0	0	0	0	0	97	9	1.064
HZPC 166	384	161	47	2	54	44	0	0	0	0	0	0	44	0	1.059

Table 2. Production statistics for HZPC potato selections.

Clone	Total Yield (cwt/A)	Marketable Yield <sup>1</sup> (cwt/A)	% of standard	Size							Size Class		Specific Gravity	
				Distribution by Class (%) <sup>2</sup>							Range (%)			
				C	B	A1	A2	A3	A4	A1 to A3	A2 to A3			
HZPC 167	387	265	77	2	27	71	0	0	0	0	0	71	0	1.067
HZPC 168	400	231	67	3	37	60	0	0	0	0	0	60	0	1.068
HZPC 169	298	103	30	3	61	36	0	0	0	0	0	36	0	1.060
HZPC 170	348	303	89	1	9	90	0	0	0	0	0	90	0	1.074
HZPC 171	480	389	114	1	15	80	3	0	0	0	0	83	3	1.063
HZPC 172	130	31	9	7	69	24	0	0	0	0	0	24	0	1.057
HZPC 173	395	200	58	1	47	52	0	0	0	0	0	52	0	1.060
HZPC 174	419	205	60	2	47	50	0	0	0	0	0	50	0	1.063
HZPC 175	401	302	88	1	18	81	0	0	0	0	0	81	0	1.064
HZPC 176	330	73	21	4	72	24	0	0	0	0	0	24	0	1.069
HZPC 177	298	224	65	2	18	80	0	0	0	0	0	80	0	1.072
HZPC 178	299	133	39	4	48	47	0	0	0	0	0	47	0	1.073
HZPC 179	283	231	67	1	15	83	0	0	0	0	0	83	0	1.064
HZPC 180	358	333	97	0	7	87	6	0	0	0	0	93	6	1.058
HZPC 181	402	268	78	1	30	69	0	0	0	0	0	69	0	1.069
HZPC 182	352	196	57	2	39	59	0	0	0	0	0	59	0	1.066
HZPC 183	398	305	89	1	17	75	6	0	0	0	0	81	6	1.061
HZPC 184	404	269	78	2	27	69	2	0	0	0	0	71	2	1.064
HZPC 185	428	335	98	2	15	82	2	0	0	0	0	83	2	1.057
HZPC 186	405	283	83	2	19	80	0	0	0	0	0	80	0	1.055
HZPC 187	385	236	69	1	27	66	5	0	0	0	0	71	5	1.062
HZPC 188	358	118	35	3	58	39	0	0	0	0	0	39	0	1.064
HZPC 189	377	252	73	2	26	72	0	0	0	0	0	72	0	1.059
HZPC 190	284	160	47	2	32	66	0	0	0	0	0	66	0	1.061
HZPC 191	255	106	31	2	52	46	0	0	0	0	0	46	0	1.047
HZPC 192	312	187	55	1	35	65	0	0	0	0	0	65	0	1.071
HZPC 193	344	269	79	1	15	82	2	0	0	0	0	85	2	1.061
HZPC 194	236	134	39	2	37	61	0	0	0	0	0	61	0	1.052
HZPC 195	377	147	43	2	45	54	0	0	0	0	0	54	0	1.054
HZPC 196	395	288	84	0	20	79	0	0	0	0	0	79	0	1.060



**Table 2.** Production statistics for HZPC potato selections.

Clone	Total Yield (cwt/A)	Marketable Yield <sup>1</sup>		Size							Specific Gravity			
		(cwt/A)	% of standard	Distribution by Class (%) <sup>2</sup>										
				C	B	A1	A2	A3	A4	A1 to A3		A2 to A3	Range (%)	
HZPC 197	436	377	110	0	4	82	13	0	0	0	0	95	13	1.060
HZPC 198	427	272	79	2	20	69	9	0	0	0	0	78	9	1.057
HZPC 199	257	184	54	1	28	72	0	0	0	0	0	72	0	1.067
HZPC 200	428	374	109	1	9	90	0	0	0	0	0	90	0	1.048
HZPC 201	388	355	104	1	8	77	14	0	0	0	0	92	14	1.056
HZPC 202	394	331	97	0	13	87	0	0	0	0	0	87	0	1.063
HZPC 203	309	195	57	1	21	78	0	0	0	0	0	78	0	1.050
HZPC 204	412	245	71	2	37	62	0	0	0	0	0	62	0	1.062
HZPC 205	416	296	86	1	16	83	0	0	0	0	0	83	0	1.057
HZPC 206	346	75	22	1	75	23	0	0	0	0	0	23	0	1.067
HZPC 207	428	239	70	1	40	58	0	0	0	0	0	58	0	1.064
HZPC 208	255	229	67	1	10	86	3	0	0	0	0	90	3	1.056
HZPC 209	394	234	68	1	28	70	0	0	0	0	0	70	0	1.069
HZPC 210	360	152	44	3	53	44	0	0	0	0	0	44	0	1.062
HZPC 211	372	217	63	2	32	65	0	0	0	0	0	65	0	1.062
HZPC 212	435	344	100	1	13	86	0	0	0	0	0	86	0	1.068
HZPC 213	338	182	53	2	38	60	0	0	0	0	0	60	0	1.061
HZPC 214	462	370	108	0	7	92	2	0	0	0	0	93	2	1.054
HZPC 215	491	378	110	1	16	83	0	0	0	0	0	83	0	1.056
HZPC 216	464	219	64	2	47	51	0	0	0	0	0	51	0	1.061
HZPC 217	508	364	106	1	22	78	0	0	0	0	0	78	0	1.052
HZPC 218	413	238	69	4	35	61	0	0	0	0	0	61	0	1.062
HZPC 219	502	437	128	1	11	84	3	1	0	0	0	88	4	1.056
HZPC 220	394	111	32	2	69	29	0	0	0	0	0	29	0	1.068
HZPC 221	363	294	86	1	13	86	0	0	0	0	0	86	0	1.064

<sup>1</sup>Marketable Yield: size classes A1 to A3.

<sup>2</sup>Size classes: C = .5 to 1.5", B = 1.5 to 1 7/8", A1 = 1 7/8 to 2.5", A2 = 2.5 to 3.25", A3 = 3.25 to 4", A4 = >4"

**Table 3.** Plant growth characteristics and tuber appearance of HZPC potato selections.

Clone	Plant Growth Characteristics <sup>1</sup>				Tuber Appearance <sup>2</sup>
	% Stand	Early Vigor	Vine Type	Vine Maturity	
LaChipper	100	7	9	7	6.0
Adora	100	7	8	7	6.0
Atlantic	100	6	8	9	6.0
Belrus	100	5	8-9	9	6.0
Fabula	56	5	8-7	9	5.5
Goldrush	100	5	9	9	6.0
LaRouge	100	6	9	7	6.0
Harley Blackwell	94	6	9	8	5.5
Red LaSoda	100	5	9	7	5.5
Red Pontiac	100	6	9	7	4.5
Russet Burbank	100	5	9	9	4.0
Sebago	38	6	8	7	4.0
Yukon Gold	63	6	9	7	5.0
HZPC 1	100	6	9	8	6.0
HZPC 2	100	8	9-6	7	5.0
HZPC 3	100	6	8	6	5.5
HZPC 4	100	6	9	7	5.0
HZPC 5	100	8	8-5	7	6.0
HZPC 6	100	6	5	6	7.0
HZPC 7	100	9	9	6	6.0
HZPC 8	100	9	9-6	6	6.0
HZPC 9	94	9	6-9	5	6.5
HZPC 10	100	9	9-6	6	6.0
HZPC 11	100	7	9	7	5.5
HZPC 12	100	8	9	5	5.0
HZPC 13	100	5	8	7	4.5
HZPC 14	100	6	8	7	6.0
HZPC 15	100	6	9	7	6.5
HZPC 16	100	6	-	-	3.5
HZPC 17	100	6	-	-	3.5
HZPC 18	100	9	9	6	5.0
HZPC 19	100	5	9	8	7.0
HZPC 20	100	6	8	8	5.0
HZPC 21	94	7	9	8	4.0
HZPC 22	100	5	9	7	5.5
HZPC 23	100	5	8-7	6	5.5
HZPC 24	100	6	9	7	4.0
HZPC 25	100	6	-	-	3.0
HZPC 26	100	6	na	1	na
HZPC 27	94	6	9	7	5.0
HZPC 28	100	7	8-5	5	4.5
HZPC 29	100	7	9	7	5.5
HZPC 30	94	6	8	6	4.5

**Table 3.** Plant growth characteristics and tuber appearance of HZPC potato selections.

Clone	Plant Growth Characteristics <sup>1</sup>				Tuber Appearance <sup>2</sup>
	% Stand	Early Vigor	Vine Type	Vine Maturity	
HZPC 31	100	7	9	8	4.0
HZPC 32	100	5	8	7	4.0
HZPC 33	100	7	9	7	4.0
HZPC 34	100	8	9	7	4.0
HZPC 35	100	7	8	7	3.0
HZPC 36	100	5	9	7	4.0
HZPC 37	100	5	-	-	3.5
HZPC 38	94	6	9	7	5.0
HZPC 39	100	5	8	7	6.5
HZPC 40	94	7	9	7	7.0
HZPC 41	100	6	9	7	6.0
HZPC 42	100	5	8	8	na
HZPC 43	100	7	9-6	8	4.5
HZPC 44	100	6	9	9	4.0
HZPC 45	100	5	9	8	6.5
HZPC 46	100	8	9	7	4.5
HZPC 47	100	7	9	7	6.0
HZPC 48	100	6	9	8	6.5
HZPC 49	100	7	9	7	7.0
HZPC 50	100	8	9	7	6.0
HZPC 51	100	7	9	6	5.5
HZPC 52	100	6	8	8	5.5
HZPC 53	100	7	9	8	7.0
HZPC 54	100	6	9	8	4.0
HZPC 55	100	6	8	6	4.5
HZPC 56	100	6	9	7	5.5
HZPC 57	100	7	9	8	6.0
HZPC 58	100	7	9	7	2.0
HZPC 59	100	6	8-7	7	4.5
HZPC 60	100	7	9	8	6.5
HZPC 61	100	8	8	8	4.5
HZPC 62	100	6	9	7	5.0
HZPC 63	100	6	8	7	4.5
HZPC 64	94	6	9	7	4.5
HZPC 65	100	5	8	9	6.5
HZPC 66	100	5	9	8	4.5
HZPC 67	100	5	8-7	9	5.5
HZPC 68	100	7	9	7	4.0
HZPC 69	100	6	9	7	5.0
HZPC 70	100	6	8	7	6.0
HZPC 71	100	7	9	7	7.0
HZPC 72	100	6	8	7	4.5
HZPC 73	100	7	9	7	6.0
HZPC 74	100	8	8	6	5.5

**Table 3.** Plant growth characteristics and tuber appearance of HZPC potato selections.

Clone	Plant Growth Characteristics <sup>1</sup>					Tuber Appearance <sup>2</sup>
	% Stand	Early Vigor	Vine Type	Vine Maturity		
HZPC 75	100	5	8	7		6.5
HZPC 76	94	8	8-5	7		7.5
HZPC 77	100	7	9	7		7.0
HZPC 78	94	5	8	9		7.5
HZPC 79	100	5	9	7		6.5
HZPC 80	100	7	8-5	8		7.5
HZPC 81	94	7	9-6	6		6.0
HZPC 82	100	7	9-6	6		6.0
HZPC 83	100	5	9	8		6.0
HZPC 84	100	6	-	-		5.5
HZPC 85	94	7	9	7		6.0
HZPC 86	94	7	8	7		5.5
HZPC 87	100	7	8	7		4.0
HZPC 88	100	6	9	7		4.0
HZPC 89	100	8	9-6	6		4.5
HZPC 90	100	5	9	7		4.0
HZPC 91	100	7	9	6		4.0
HZPC 92	100	7	9	7		4.5
HZPC 93	100	7	9-6	7		3.5
HZPC 94	94	9	8	7		4.0
HZPC 95	100	7	9	7		4.5
HZPC 96	94	6	9	8		5.0
HZPC 97	100	6	8	7		5.5
HZPC 98	100	5	8	7		6.0
HZPC 99	100	7	9	5		5.5
HZPC 100	100	7	8	7		5.5
HZPC 101	100	6	9	6		4.5
HZPC 102	100	6	8	7		4.5
HZPC 103	100	8	8	7		4.0
HZPC 104	100	6	8	7		4.0
HZPC 105	94	6	8	8		6.0
HZPC 106	100	6	9	6		5.5
HZPC 107	100	6	-	-		6.0
HZPC 108	94	7	8	7		6.0
HZPC 109	100	8	8	6		5.0
HZPC 110	100	8	9	7		6.5
HZPC 111	100	7	9	8		6.0
HZPC 112	100	8	9	8		6.5
HZPC 113	100	7	9	7		4.0
HZPC 114	100	8	9-6	7		6.0
HZPC 115	100	9	9	7		6.5
HZPC 116	75	9	9-6	7		4.5
HZPC 117	88	6	9	7		4.5
HZPC 118	100	8	9	7		4.5

**Table 3.** Plant growth characteristics and tuber appearance of HZPC potato selections.

Clone	Plant Growth Characteristics <sup>1</sup>				Tuber Appearance <sup>2</sup>
	% Stand	Early Vigor	Vine Type	Vine Maturity	
HZPC 119	94	6	9	7	5.0
HZPC 120	100	7	9	8	5.0
HZPC 121	100	7	9	7	3.0
HZPC 122	94	7	8	7	4.0
HZPC 123	100	7	8	6	3.0
HZPC 124	100	5	-	-	3.0
HZPC 125	94	5	-	-	3.5
HZPC 126	100	4	9	7	3.5
HZPC 127	100	5	8	7	6.5
HZPC 128	94	5	9	7	5.5
HZPC 129	94	7	9	9	5.5
HZPC 130	100	6	8	6	6.0
HZPC 131	81	8	9	7	3.5
HZPC 132	94	6	9	7	3.5
HZPC 133	94	5	9	7	3.5
HZPC 134	88	7	9	7	4.5
HZPC 135	88	5	8	7	4.0
HZPC 136	94	6	8	9	4.5
HZPC 137	88	5	7	9	5.0
HZPC 138	100	5	8	8	5.5
HZPC 139	94	6	8	8	5.0
HZPC 140	100	5	8	7	5.5
HZPC 141	94	6	9	6	4.0
HZPC 142	100	7	8	7	4.0
HZPC 143	100	5	9	7	4.0
HZPC 144	100	5	-	-	2.0
HZPC 145	100	6	8	7	4.0
HZPC 146	100	6	8	7	4.0
HZPC 147	56	6	8	8	3.5
HZPC 148	100	6	8	7	4.0
HZPC 149	100	7	8	6	6.5
HZPC 150	100	6	9	8	6.0
HZPC 151	94	5	8	8	4.5
HZPC 152	100	6	8	9	4.5
HZPC 153	88	6	8	7	5.5
HZPC 154	100	7	8	7	4.5
HZPC 155	88	5	8	7	4.0
HZPC 156	56	4	7	7	4.0
HZPC 157	94	6	8	9	3.5
HZPC 158	100	6	9	7	4.0
HZPC 159	94	6	9	7	4.0
HZPC 160	100	6	8	6	4.5
HZPC 161	100	6	9	7	4.5
HZPC 162	100	6	8	7	4.5

**Table 3.** Plant growth characteristics and tuber appearance of HZPC potato selections.

Clone	Plant Growth Characteristics <sup>1</sup>					Tuber Appearance <sup>2</sup>
	% Stand	Early Vigor	Vine Type	Vine Maturity		
HZPC 163	100	7	6	6	5.0	
HZPC 164	100	6	9	7	4.5	
HZPC 165	100	7	9	6	6.0	
HZPC 166	100	5	8	7	5.5	
HZPC 167	100	6	9	7	5.5	
HZPC 168	100	6	8	7	6.0	
HZPC 169	100	5	8	6	6.0	
HZPC 170	100	7	9	7	6.0	
HZPC 171	100	6	9	8	5.5	
HZPC 172	100	6	8	6	4.0	
HZPC 173	100	6	9	7	3.5	
HZPC 174	94	7	9	7	4.0	
HZPC 175	100	7	9	7	4.0	
HZPC 176	100	5	9	7	4.0	
HZPC 177	100	4	8	8	4.5	
HZPC 178	94	5	7	9	6.5	
HZPC 179	100	3	8	9	5.0	
HZPC 180	100	5	9	7	4.5	
HZPC 181	100	6	9	9	5.0	
HZPC 182	100	5	8	9	3.5	
HZPC 183	100	5	8	9	5.0	
HZPC 184	100	7	8-9	7	5.5	
HZPC 185	100	6	8	7	4.5	
HZPC 186	88	6	8	9	4.0	
HZPC 187	100	5	8	9	6.0	
HZPC 188	94	5	9	6	6.0	
HZPC 189	100	7	9	7	5.5	
HZPC 190	81	5	8	7	4.5	
HZPC 191	88	7	9	5	4.5	
HZPC 192	100	5	8	8	4.5	
HZPC 193	94	6	8	8	4.5	
HZPC 194	94	5	7	6	6.0	
HZPC 195	94	4	8	7	5.5	
HZPC 196	100	7	9	7	5.5	
HZPC 197	100	5	8	8	5.0	
HZPC 198	100	6	9	8	4.5	
HZPC 199	100	5	9	6	4.5	
HZPC 200	100	4	8	9	4.0	
HZPC 201	100	5	8	7	6.0	
HZPC 202	100	7	8	7	5.0	
HZPC 203	100	6	8	7	5.0	
HZPC 204	100	6	8	8	5.5	
HZPC 205	94	5	8	7	5.5	
HZPC 206	75	6	9	9	6.5	

**Table 3.** Plant growth characteristics and tuber appearance of HZPC potato selections.

Clone	Plant Growth Characteristics <sup>1</sup>				Tuber Appearance <sup>2</sup>
	% Stand	Early Vigor	Vine Type	Vine Maturity	
HZPC 207	100	7	9	8	6.0
HZPC 208	100	4	8	9	6.0
HZPC 209	100	6	8	7	5.5
HZPC 210	94	5	8	8	5.0
HZPC 211	100	5	9	9	4.5
HZPC 212	100	7	9-6	8	5.5
HZPC 213	100	5	8	8	5.0
HZPC 214	100	5	8	8	4.0
HZPC 215	100	5	8	8	2.5
HZPC 216	100	5	9	8	6.0
HZPC 217	100	6	8	8	4.5
HZPC 218	94	6	9	9	5.0
HZPC 219	94	5	9	8	6.0
HZPC 220	100	6	9	9	5.5
HZPC 221	100	5	8	9	6.0

<sup>1</sup>See rating system outlined in Table 1 (page 8).

<sup>2</sup>See rating system outlined in Table 2 (page 9).

**Table 4.** External and internal defects of HZPC potato selections.

Clone	% External Tuber Defects					% Internal Defects <sup>2</sup>						
	Growth Cracks	Mis-shapen	Sun-burned	Rotten & misc.	Total Culls <sup>1</sup>	HH	BR	CRS	IHN	L	M	H
LaChipper	0	0	0	0	0	0	0	0	0	0	0	0
Adora	0	0	2	1	3	0	0	0	0	0	0	0
Atlantic	0	0	2	2	4	0	0	0	0	0	0	0
Beirus	0	0	0	0	0	0	0	0	0	0	0	0
Fabula	0	3	3	4	10	0	0	0	0	0	0	0
Goldrush	0	1	0	0	1	0	0	0	0	0	0	0
LaRouge	0	0	0	2	2	0	0	0	0	0	5	0
Harley Blackwell	0	0	2	7	10	0	0	0	0	0	0	0
Red LaSoda	2	0	1	1	3	0	0	0	0	0	0	0
Red Pontiac	0	0	0	1	1	0	0	0	0	0	0	0
Russet Burbank	0	0	0	0	0	10	0	0	0	0	0	0
Sebago	0	0	22	0	22	0	0	0	5	5	0	0
Yukon Gold	0	0	9	4	13	0	0	0	0	0	0	0
HZPC 1	0	0	0	0	0	0	0	0	0	10	5	0
HZPC 2	0	1	1	1	4	0	0	0	0	0	0	0
HZPC 3	1	1	1	0	3	0	0	0	0	0	0	0
HZPC 4	0	1	1	0	2	0	0	0	0	0	0	0
HZPC 5	0	1	0	0	1	0	0	0	0	0	0	0
HZPC 6	0	0	1	0	1	0	0	0	0	0	0	0
HZPC 7	0	0	1	2	2	0	0	0	0	0	0	0
HZPC 8	0	0	1	0	1	0	0	0	0	0	0	0
HZPC 9	1	0	0	0	1	0	0	0	0	0	0	0
HZPC 10	0	2	1	0	3	0	0	0	0	0	0	0
HZPC 11	0	0	0	4	4	0	0	0	0	0	0	0
HZPC 12	0	0	0	3	3	0	0	0	0	0	0	0
HZPC 13	0	0	1	2	3	0	0	0	0	0	0	0
HZPC 14	0	0	0	0	0	0	0	0	0	0	0	0
HZPC 15	0	0	0	0	0	0	0	0	0	0	0	0
HZPC 16	0	0	0	3	3	-	-	-	-	-	-	-



**Table 4.** External and internal defects of HZPC potato selections.

Clone	% External Tuber Defects					% Internal Defects <sup>2</sup>							
	Growth Cracks	Mis-shapen	Sun-burned	Rotten & misc.	Total Culls <sup>1</sup>	HH	BR	CRS	IHN	L	M	H	
HZPC 17	0	0	14	0	14	-	-	-	-	-	-	-	
HZPC 18	0	0	0	0	0	0	0	0	0	0	0	0	
HZPC 19	0	1	0	0	1	0	0	0	0	0	0	0	
HZPC 20	0	0	3	3	6	0	0	0	0	0	0	0	
HZPC 21	0	2	2	0	4	0	0	0	0	0	0	0	
HZPC 22	0	0	1	3	3	0	0	0	0	0	0	0	
HZPC 23	0	0	0	5	5	0	0	0	0	0	0	0	
HZPC 24	0	0	0	1	1	0	0	0	0	0	0	0	
HZPC 25	0	0	0	0	0	-	-	-	-	-	-	-	
HZPC 26	0	0	0	0	0	-	-	-	-	-	-	-	
HZPC 27	0	3	1	0	3	0	0	0	0	0	0	0	
HZPC 28	1	0	0	0	1	0	0	0	0	0	0	0	
HZPC 29	0	0	3	2	5	0	0	0	0	0	0	0	
HZPC 30	0	5	1	1	7	0	0	0	0	0	0	0	
HZPC 31	0	2	0	5	7	0	0	0	0	0	0	0	
HZPC 32	0	8	2	0	10	0	0	0	0	0	0	0	
HZPC 33	0	2	1	4	7	0	0	0	0	0	0	0	
HZPC 34	0	4	0	1	5	0	0	0	0	0	0	0	
HZPC 35	0	1	0	11	12	0	0	0	0	0	0	0	
HZPC 36	0	3	0	2	5	0	0	0	0	0	0	0	
HZPC 37	0	5	9	15	28	-	-	-	-	-	-	-	
HZPC 38	2	3	2	1	7	0	0	0	0	0	0	0	
HZPC 39	0	2	0	0	2	0	0	0	0	0	0	0	
HZPC 40	0	0	7	0	7	0	0	0	0	0	0	0	
HZPC 41	0	0	0	2	2	0	0	0	0	0	0	0	
HZPC 42	0	0	0	0	0	-	-	-	-	-	-	-	
HZPC 43	4	8	2	0	13	0	0	0	0	0	0	0	
HZPC 44	0	14	3	0	17	-	-	-	-	-	-	-	
HZPC 45	0	1	2	2	6	0	0	0	0	0	0	0	
HZPC 46	0	5	0	0	5	0	0	0	0	0	0	0	

**Table 4.** External and internal defects of HZPC potato selections.

Clone	% External Tuber Defects					% Internal Defects <sup>2</sup>						
	Growth Cracks	Mis-shapen	Sun-burned	Rotten & misc.	Total Culls <sup>1</sup>	HH	BR	CRS	IHN	L	M	H
HZPC 47	0	0	7	3	10	0	0	0	0	0	0	0
HZPC 48	0	0	0	0	0	0	0	0	0	0	0	0
HZPC 49	0	1	0	0	1	0	0	0	0	0	0	0
HZPC 50	0	2	1	1	4	0	0	0	0	0	0	0
HZPC 51	2	0	4	6	12	0	0	0	0	0	0	0
HZPC 52	0	0	5	1	6	0	0	0	0	0	0	0
HZPC 53	0	0	0	1	1	0	0	0	0	0	0	0
HZPC 54	0	5	3	1	8	0	0	0	0	0	0	0
HZPC 55	0	0	1	5	6	0	0	0	0	0	0	0
HZPC 56	0	0	7	2	9	0	0	0	0	0	0	0
HZPC 57	0	3	8	2	13	0	0	0	0	0	0	0
HZPC 58	3	12	8	0	23	0	0	0	0	0	0	0
HZPC 59	0	6	3	0	9	0	0	0	0	0	0	0
HZPC 60	0	0	3	2	6	0	0	0	0	0	0	0
HZPC 61	0	1	5	0	6	0	0	0	0	0	0	0
HZPC 62	0	27	12	2	40	0	0	0	0	0	0	0
HZPC 63	0	0	3	4	7	0	0	0	0	0	0	0
HZPC 64	0	0	2	0	2	0	0	0	0	0	0	0
HZPC 65	0	4	2	4	10	0	0	0	0	0	0	0
HZPC 66	0	16	1	3	21	0	0	0	0	0	0	0
HZPC 67	0	0	3	0	3	0	0	0	5	0	0	0
HZPC 68	0	1	8	0	9	0	0	0	0	0	0	0
HZPC 69	0	2	1	5	7	0	0	0	0	0	0	0
HZPC 70	0	0	10	0	10	0	0	0	0	0	0	0
HZPC 71	0	0	0	2	2	5	0	0	0	0	0	0
HZPC 72	0	0	1	0	1	0	0	0	0	0	0	0
HZPC 73	0	0	0	14	14	0	0	0	0	5	5	25
HZPC 74	0	8	2	0	10	0	0	0	0	0	0	0
HZPC 75	0	0	1	0	1	0	0	0	0	0	0	0
HZPC 76	0	1	0	0	1	0	0	0	0	0	0	0

**Table 4.** External and internal defects of HZPC potato selections.

Clone	% External Tuber Defects					% Internal Defects <sup>2</sup>						
	Growth Cracks	Mis-shapen	Sun-burned	Rotten & misc.	Total Culls <sup>1</sup>	HH	BR	CRS	IHN	L	M	H
HZPC 77	0	0	0	2	2	0	0	0	0	0	0	0
HZPC 78	0	0	0	0	0	0	0	0	0	0	0	0
HZPC 79	0	0	4	0	4	0	0	0	0	0	0	0
HZPC 80	1	0	3	0	4	0	0	0	0	0	0	0
HZPC 81	0	2	1	2	5	0	0	0	0	0	0	0
HZPC 82	0	0	1	1	1	0	0	0	0	0	0	0
HZPC 83	1	0	0	0	1	0	0	0	0	0	0	0
HZPC 84	0	0	0	0	0	-	-	-	-	-	-	-
HZPC 85	0	2	1	9	11	5	0	0	5	0	0	0
HZPC 86	0	3	2	3	7	5	0	0	0	0	0	0
HZPC 87	0	3	2	3	9	0	0	0	0	0	0	0
HZPC 88	0	5	1	1	7	0	0	0	0	0	0	0
HZPC 89	0	0	1	31	32	0	0	0	0	0	0	0
HZPC 90	0	6	0	0	6	0	0	0	0	0	0	0
HZPC 91	0	3	2	14	19	0	0	0	0	0	0	0
HZPC 92	0	0	0	4	5	0	0	0	0	0	0	0
HZPC 93	0	0	3	3	6	0	0	0	0	0	0	0
HZPC 94	1	0	3	19	24	0	0	0	0	0	0	0
HZPC 95	1	0	2	8	11	0	0	0	0	0	0	0
HZPC 96	1	1	0	4	5	5	0	0	0	0	0	0
HZPC 97	0	2	5	0	7	0	0	0	0	0	0	0
HZPC 98	0	0	4	2	6	0	0	0	0	0	0	0
HZPC 99	0	0	5	14	19	0	0	0	7	7	0	0
HZPC 100	0	1	1	3	4	0	0	0	0	0	0	0
HZPC 101	0	0	0	2	2	0	0	0	0	0	0	0
HZPC 102	0	0	1	0	1	0	0	0	0	0	0	0
HZPC 103	0	8	2	0	10	5	0	0	0	0	0	0
HZPC 104	0	3	2	2	7	0	0	0	0	0	0	0
HZPC 105	0	1	2	1	4	5	0	0	5	5	5	5
HZPC 106	0	0	1	8	10	0	0	0	0	15	15	0



**Table 4.** External and internal defects of HZPC potato selections.

Clone	% External Tuber Defects						% Internal Defects <sup>2</sup>						
	Growth Cracks	Mis-shapen	Sun-burned	Rotten & misc.	Total Culls <sup>1</sup>		HH	BR	CRS	IHN	L	M	H
HZPC 137	0	1	3	0	4		0	0	0	0	0	0	0
HZPC 138	0	0	1	0	1		0	0	0	0	0	0	0
HZPC 139	1	0	1	9	11		0	0	0	0	0	0	5
HZPC 140	0	1	5	0	6		0	0	0	0	10	10	5
HZPC 141	0	1	3	0	4		0	0	0	0	0	0	0
HZPC 142	0	6	2	1	9		0	0	0	0	0	0	0
HZPC 143	0	0	3	0	3		0	0	0	0	0	0	0
HZPC 144	0	0	0	0	0		-	-	-	-	-	-	-
HZPC 145	0	1	0	8	9		0	0	0	0	0	0	0
HZPC 146	2	0	1	10	13		0	0	0	0	0	0	0
HZPC 147	1	19	1	14	34		0	0	0	0	0	0	0
HZPC 148	0	0	1	5	6		0	0	0	0	0	0	0
HZPC 149	0	0	5	0	5		0	0	0	0	0	0	0
HZPC 150	0	0	0	4	4		0	0	0	0	0	0	0
HZPC 151	0	0	2	3	5		0	0	0	0	0	0	0
HZPC 152	0	1	2	3	6		0	0	0	0	5	5	15
HZPC 153	0	4	1	1	7		0	0	0	0	0	0	0
HZPC 154	0	3	1	0	4		0	0	0	0	0	0	0
HZPC 155	0	3	1	0	4		0	0	0	0	0	0	0
HZPC 156	0	2	2	16	20		0	0	0	0	0	0	0
HZPC 157	0	0	2	0	2		0	0	0	35	0	5	0
HZPC 158	0	0	6	2	8		0	0	0	0	0	0	0
HZPC 159	0	0	3	2	6		0	0	0	0	0	0	0
HZPC 160	0	0	5	1	7		0	0	0	0	0	0	0
HZPC 161	0	0	0	1	1		0	0	0	0	0	0	0
HZPC 162	0	0	0	0	0		0	0	0	0	0	0	0
HZPC 163	0	3	0	3	6		0	0	0	0	0	0	0
HZPC 164	1	3	0	7	11		0	0	0	0	0	0	0
HZPC 165	0	1	0	2	3		0	0	0	0	0	0	0
HZPC 166	0	0	4	2	5		0	0	0	0	0	0	0

**Table 4.** External and internal defects of HZPC potato selections.

Clone	% External Tuber Defects					% Internal Defects <sup>2</sup>						
	Growth Cracks	Mis-shapen	Sun-burned	Rotten & misc.	Total Culls <sup>1</sup>	HH	BR	CRS	IHN	L	M	H
HZPC 167	0	0	3	1	4	0	0	0	0	0	0	0
HZPC 168	0	0	1	3	4	0	0	0	0	0	0	0
HZPC 169	0	0	1	3	4	0	0	0	0	0	0	0
HZPC 170	0	0	0	3	3	0	0	0	5	0	0	0
HZPC 171	0	2	1	0	3	0	0	0	0	0	0	0
HZPC 172	0	4	0	0	4	0	0	0	0	5	0	0
HZPC 173	0	0	2	0	2	0	0	0	0	0	0	0
HZPC 174	0	1	1	0	3	0	0	0	0	0	0	0
HZPC 175	0	3	0	3	7	0	0	0	0	0	0	0
HZPC 176	0	0	1	5	6	0	0	0	0	0	0	0
HZPC 177	0	5	1	1	6	0	0	0	0	0	0	0
HZPC 178	0	0	4	2	6	0	0	0	0	0	0	0
HZPC 179	0	1	1	0	2	0	0	0	0	0	0	0
HZPC 180	0	0	0	0	0	0	0	0	0	0	0	0
HZPC 181	0	0	1	2	3	0	0	0	10	15	0	0
HZPC 182	0	3	1	1	6	0	0	0	0	0	0	0
HZPC 183	0	2	1	3	6	0	0	0	0	0	0	0
HZPC 184	0	0	5	2	7	0	0	0	0	0	0	0
HZPC 185	0	1	2	4	6	0	0	0	0	0	0	0
HZPC 186	0	1	4	8	12	0	0	0	0	0	0	0
HZPC 187	0	0	2	12	14	0	0	0	0	0	0	0
HZPC 188	0	0	1	14	15	0	0	0	0	0	0	0
HZPC 189	0	1	2	5	7	0	0	0	0	0	0	0
HZPC 190	0	0	3	12	16	0	0	0	0	0	0	0
HZPC 191	0	0	4	5	9	0	0	0	0	0	0	0
HZPC 192	0	0	6	1	7	0	0	0	0	0	0	0
HZPC 193	0	1	1	5	8	0	0	0	0	0	0	0
HZPC 194	4	1	0	3	7	0	0	0	0	0	0	0
HZPC 195	0	1	14	12	27	0	0	0	0	0	0	0
HZPC 196	0	0	5	4	8	5	0	0	0	0	0	0

**Table 4.** External and internal defects of HZPC potato selections.

Clone	% External Tuber Defects					% Internal Defects <sup>2</sup>						
	Growth Cracks	Mis-shapen	Sun-burned	Rotten & misc.	Total Culls <sup>1</sup>	HH	BR	CRS	IHN	L	M	H
HZPC 197	0	0	7	2	9	0	0	0	0	0	0	0
HZPC 198	0	2	7	10	19	0	0	0	0	0	0	0
HZPC 199	0	0	0	0	0	0	0	0	0	0	0	0
HZPC 200	0	0	1	2	3	0	0	0	0	0	0	0
HZPC 201	0	0	0	0	0	0	0	0	0	0	0	0
HZPC 202	0	0	2	1	3	0	0	0	0	0	0	0
HZPC 203	11	6	2	0	19	0	0	0	0	5	0	0
HZPC 204	2	2	0	0	4	0	0	0	0	0	0	0
HZPC 205	0	7	4	4	15	0	0	0	5	0	0	0
HZPC 206	0	0	1	6	7	0	0	0	0	0	0	0
HZPC 207	0	0	0	4	5	0	0	0	0	0	0	0
HZPC 208	0	0	0	0	0	0	0	0	0	0	0	0
HZPC 209	0	6	5	5	16	0	0	0	0	0	0	0
HZPC 210	0	0	2	1	3	0	0	0	0	0	0	0
HZPC 211	0	0	4	6	10	0	0	0	0	0	0	0
HZPC 212	0	1	2	5	8	0	0	0	0	0	0	0
HZPC 213	0	0	0	11	11	0	0	0	0	0	0	0
HZPC 214	0	0	1	13	14	0	0	0	0	0	0	0
HZPC 215	0	2	3	2	7	0	0	0	0	0	0	0
HZPC 216	0	2	3	1	7	0	0	0	0	0	0	0
HZPC 217	0	6	1	1	8	0	0	0	0	0	0	0
HZPC 218	0	3	1	2	6	0	0	0	0	0	0	0
HZPC 219	0	1	0	0	1	0	0	0	0	0	0	0
HZPC 220	0	1	0	2	3	0	0	0	0	0	0	0
HZPC 221	0	0	5	2	6	0	0	0	0	0	0	0

<sup>1</sup>Percent of Total Yield. Total culls include the sum of growth cracks, misshapen, sunburned and rotten/misc.

<sup>2</sup>Percent tubers; HH, hollow heart; BR, brown rot; CRS, corky ring spot; IHN, internal heat necrosis.

Brown Center: L = Light, M = Moderate, H = Heavy