

## Statewide Potato Variety Trial, 2001

### General Comments:

The Statewide Potato Variety Trial evaluates advanced clones and varieties on grower sites around Florida. Varieties and clones in this trial have advanced through the variety selection program at the Hastings REC. This is a replicated small plot trial with red/purple, round white, russet, and chip lines represented. All fertilizer, irrigation, and pest control practices followed the standard grower production procedures at each location. Lines that are successful in this trial can move to large grower demonstration plots for further evaluation.

In the 2000-2001 season, varieties and clones were evaluated at grower sites in Homestead, Immokalee, and Live Oak and at the Hastings REC. The success of this trial is dependent on and completely credited to the cooperation of the growers and county faculty at each location.

<b>Planting Site:</b>	Homestead
<b>Planting Date:</b>	November 21, 2000
<b>Harvest Date:</b>	Test Flooded Out
<b>Season Length:</b>	--
<b>County Faculty Cooperator:</b>	Teresa Olczyk
<b>Planting Site:</b>	Immokalee
<b>Planting Date:</b>	November 22, 2000
<b>Harvest Date:</b>	March 16, 2001
<b>Season Length:</b>	115 days
<b>County Faculty Cooperator:</b>	Gene McAvoy
<b>Planting Site:</b>	Hastings REC, Yelvington Farm
<b>Planting Date:</b>	February 13, 2001
<b>Harvest Date:</b>	May 25, 2001
<b>Season Length:</b>	101 days
<b>County Faculty Cooperators:</b>	Austin Tilton, Chuck Lippi, and Barry Morton
<b>Planting Site:</b>	Live Oak
<b>Planting Date:</b>	February 20, 2000
<b>Harvest Date:</b>	Vine killed June 1, 2000; Harvested 22, 2000
<b>Season Length:</b>	101 days
<b>County Faculty Cooperators:</b>	Bob Hochmuth
<b>Replications:</b>	4
<b>Plot Size:</b>	15 ft
<b>Row Spacing:</b>	6-8 inches in-row, 36-40 inches between-row
<b>Fertilizer:</b>	Immokalee: preplant, 170-160-250; sidedress, 40-0-70 lb/A Hastings: preplant, 168-24-144 lb/A; sidedress, 98-14-84 lb/A Live Oak: total, 249-86-372 lb/A
<b>Number of Varieties:Clones:</b>	9:11

Florida Table 17. Statewide Chipping Potato Variety Trial. Yield, marketable yield, percentage of yield by grade, size distribution and specific gravity of chipping potato clones grown at Hastings, Immokalee, and Live Oak, FL. - 2001.

Main Effects	Total	Marketable	Size					Size		Specific Gravity
	Yield	Yield <sup>1</sup>	Distribution by Class (%) <sup>2</sup>					Distribution (%)		
	(cwt/A)	(cwt/A)	1	2	3	4	5	2 to 4	3 to 4	
<b>Site</b>										
Hastings	383	348	5	50	33	12	0	94	45	1.081
Immokalee	103	86	14	75	10	1	0	86	11	1.089
Live Oak	136	80	30	65	5	0	0	70	5	1.075
<i>LSD</i> <sup>3</sup>	41	40	4.7	3.2	4.2	3.2	<i>ns</i>	4.4	5.1	0.005
<i>P Value</i>	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.4219	0.0001	0.0001	0.0008
<b>Clone</b>										
Atlantic	256	216	12	55	23	10	0	88	33	1.079
Snowden	226	190	15	69	15	1	0	85	16	1.078
B0178-34	181	146	16	62	16	6	0	84	22	1.082
B1339-2	166	133	22	67	10	0	0	78	11	1.087
<i>LSD</i> <sup>3</sup>	30	29	4.7	9.0	6.8	3.5	<i>ns</i>	4.8	6.6	0.003
<i>P Value</i>	0.0001	0.0001	0.0009	0.0146	0.0058	0.0001	0.4079	0.0014	0.0001	0.0001

<sup>1</sup> - Marketable Yield: size classes 2 to 4

<sup>2</sup> - Size classes: 1 = <1 7/8", 2 = 1 7/8 to 2.5", 3 = 2.5 to 3.25", 4 = 3.25 to 4", 5 = >4"

<sup>3</sup> - Means separated within columns by the *LSD* means separation test.

Florida Table 18. Statewide Chipping Potato Variety Trial. Yield, marketable yield, percentage of yield by grade, size distribution and specific gravity of chipping potato clones grown at Hastings, Immokalee, and Live Oak, FL. - 2001.

Site and Clone	Total Yield (cwt/A)	Marketable Yield <sup>1</sup>		Size Distribution by Class (%) <sup>2</sup>					Size Distribution (%)		Specific Gravity
		(cwt/A)	percent of standard	1	2	3	4	5	2 to 4	3 to 4	
<b>Hastings</b>											
Atlantic	494	454	100	2	32	39	26	1	96	65	1.080
Snowden	412	383	85	5	56	34	4	0	95	39	1.078
B0178-34	323	291	64	5	41	38	16	0	95	54	1.080
B1339-2	301	265	58	8	67	23	1	0	92	24	1.087
<b>Immokalee</b>											
Atlantic	119	101	100	8	67	21	4	0	92	25	1.087
Snowden	77	61	60	14	78	8	0	0	86	8	1.086
B0178-34	103	88	87	13	82	5	0	0	87	5	1.093
B1339-2	114	95	93	14	79	7	0	0	86	7	1.093
<b>Live Oak</b>											
Atlantic	154	94	100	25	64	11	0	0	75	11	1.071
Snowden	188	126	85	22	76	2	0	0	78	2	1.072
B0178-34	117	60	64	28	66	6	0	0	72	6	1.074
B1339-2	83	40	58	41	57	2	0	0	59	2	1.082
<i>LSD</i> <sup>3</sup>	52	49		8.2	15.6	<i>ns</i>	6.1	<i>ns</i>	8.2	11.5	<i>ns</i>
<i>P Value</i>	0.0001	0.0001		0.0248	0.0055	0.4692	0.0001	0.4456	0.0231	0.0030	0.5772

Hastings planted on Feb. 13, 2001, fertilizer rate was 168-24-144/A plus 98-14-84/A sidedressed, harvested on May 25, 2001.

Immokalee planted on Nov. 22, 2000, fertilizer rate was 170-160-250/A plus 40-0-70/A sidedressed, harvested on .

Live Oak planted on Feb. 20, 2001, total fertilizer rate was 249-86-372/A, vine killed on June 1, harvested on June 22, 2001.

<sup>1</sup> - Marketable Yield: size classes 2 to 4

<sup>2</sup> - Size classes: 1 = <1 7/8", 2 = 1 7/8 to 2.5", 3 = 2.5 to 3.25", 4 = 3.25 to 4", 5 = >4"

<sup>3</sup> - Means separated within columns by the *LSD* means separation test.

Florida Table 19. Statewide Chipping Potato Trial. Yield, tuber characteristics, and internal defects of chipping potato clones grown at Hastings, Immokalee, and Live Oak, FL. - 2001.

Site and Clone	Total Yield (cwt/A)	Marketable Yield (cwt/A)	Vine Maturity <sup>1</sup>	Tuber Characteristics <sup>1</sup>						Internal Defects <sup>2</sup>			
				IFC	SC	ST	TS	ED	APP	HH	BR	CRS	INT
<b>Hastings</b>													
Atlantic	494	454	4.3	1.5	6.7	6.0	2.7	6.7	6.0	1	0	0	0
Snowden	412	383	3.5	1.0	6.7	6.3	2.3	5.7	5.7	0	0	4	3
B0178-34	323	291	3.3	1.0	6.7	6.3	2.7	5.7	5.7	0	0	0	0
B1339-2	301	265	1.4	1.0	6.7	6.0	3.3	6.3	5.0	0	0	0	0
<b>Immokalee</b>													
Atlantic	119	101	na	na	6.0	6.0	3.0	7.0	7.0	30	0	0	10
Snowden	77	61	na	na	7.0	6.0	3.0	7.0	6.0	0	0	0	0
B0178-34	103	88	na	na	7.0	6.0	2.0	7.0	7.0	0	0	0	0
B1339-2	114	95	na	na	7.0	6.0	2.0	7.0	8.0	0	0	0	0
<b>Live Oak</b>													
Atlantic	154	94	na	na	6.0	6.0	2.0	7.0	5.0	46	0	0	28
Snowden	188	126	na	na	6.0	6.0	2.0	7.0	4.0	12	0	0	8
B0178-34	117	60	na	na	7.0	8.0	2.0	7.0	4.0	38	0	0	15
B1339-2	83	40	na	na	7.0	8.0	2.0	6.0	4.0	10	3	0	6

<sup>1</sup> - See rating system outlined in Florida Rating Code Table.

<sup>2</sup> - Percent of tubers showing defects. HH = hollow heart, BR = brown rot, CRS = corky ring spot, INT = internal browning.

Florida Table 20. Statewide White Potato Variety Trial. Yield, marketable yield, percentage of yield by grade, size distribution and specific gravity of chipping potato clones grown at Hastings, Immokalee, and Live Oak, FL. - 2001.

Main Effects	Total Yield (cwt/A)	Marketable Yield <sup>1</sup> (cwt/A)	Size Distribution by Class (%) <sup>2</sup>					Size Distribution (%)		Specific Gravity
			1	2	3	4	5	2 to 4	3 to 4	
<b>Site</b>										
Hastings	391	357	5	47	34	14	0	95	48	1.072
Immokalee	117	99	14	73	13	0	0	86	13	1.083
Live Oak	150	86	23	69	6	2	0	77	8	1.072
<i>LSD</i> <sup>3</sup>	47	46	3.0	9.1	7.5	4.6	<i>ns</i>	2.8	10.1	0.004
<i>P Value</i>	0.0001	0.0001	0.0001	0.0008	0.0002	0.0008	0.4219	0.0001	0.0001	0.0011
<b>Clone</b>										
La Chipper	201	171	12	70	16	2	0	88	18	1.072
Yukon Gold	187	153	13	67	15	6	0	87	20	1.075
AF1615-1	252	213	13	65	20	2	0	87	22	1.070
B0564-8	209	165	18	63	16	3	0	82	19	1.077
B0564-9	248	207	10	52	22	16	0	90	39	1.076
B1425-9	219	174	18	62	16	4	0	82	20	1.086
<i>LSD</i> <sup>3</sup>	38	38	4.0	8.8	<i>ns</i>	3.4	<i>ns</i>	4.0	8.7	0.003
<i>P Value</i>	0.0060	0.0135	0.0001	0.0038	0.2969	0.0001	0.4287	0.0003	0.0001	0.0001

<sup>1</sup> - Marketable Yield: size classes 2 to 4

<sup>2</sup> - Size classes: 1 = <1 7/8", 2 = 1 7/8 to 2.5", 3 = 2.5 to 3.25", 4 = 3.25 to 4", 5 = >4"

<sup>3</sup> - Means separated within columns by the *LSD* means separation test.

Florida Table 21. Statewide White Potato Variety Trial. Yield, marketable yield, percentage of yield by grade, size distribution and specific gravity of white-skinned potato clones grown at Hastings, Immokalee, and Live Oak, FL. - 2001.

Site and Clone	Total Yield (cwt/A)	Marketable Yield <sup>1</sup>		Size Distribution by Class (%) <sup>2</sup>					Size Distribution (%)		Specific Gravity
		(cwt/A)	percent of standard	1	2	3	4	5	2 to 4	3 to 4	
<b>Hastings</b>											
La Chipper	328	303	100	7	59	29	5	0	93	35	1.069
Yukon Gold	335	309	102	4	44	36	16	0	96	52	1.074
AF1615-1	516	484	159	3	52	39	6	0	97	45	1.066
B0564-8	345	314	103	6	55	34	4	0	94	38	1.073
B0564-9	439	393	130	3	26	28	43	1	96	70	1.074
B1425-9	382	338	112	7	44	39	10	0	93	49	1.080
<b>Immokalee</b>											
La Chipper	158	143	100	7	75	18	0	0	93	18	1.078
Yukon Gold	57	49	34	13	83	4	0	0	87	4	1.080
AF1615-1	68	53	37	17	76	7	0	0	83	7	1.076
B0564-8	84	62	44	21	72	7	0	0	79	7	1.088
B0564-9	166	142	99	8	60	30	2	0	92	32	1.084
B1425-9	143	121	85	12	79	9	0	0	88	9	1.093
<b>Live Oak</b>											
La Chipper	116	67	100	23	73	1	3	0	77	4	1.068
Yukon Gold	170	101	151	21	74	5	0	0	79	5	1.071
AF1615-1	171	102	152	18	74	8	0	0	82	8	1.069
B0564-8	173	98	147	26	61	10	4	0	74	14	1.069
B0564-9	140	88	131	15	66	14	5	0	85	19	1.072
B1425-9	131	62	93	34	65	0	2	0	66	2	1.086
<i>LSD</i> <sup>3</sup>	<i>66</i>	<i>66</i>		<i>6.9</i>	<i>15.2</i>	<i>13.4</i>	<i>6.0</i>	<i>ns</i>	<i>6.9</i>	<i>15.1</i>	<i>0.004</i>
<i>P Value</i>	<i>0.0001</i>	<i>0.0001</i>		<i>0.0024</i>	<i>0.0270</i>	<i>0.0244</i>	<i>0.0001</i>	<i>0.4579</i>	<i>0.0021</i>	<i>0.0539</i>	<i>0.0063</i>

<sup>1</sup> - see footnotes in Table 17.

Florida Table 22. Statewide White Potato Trial. Yield, tuber characteristics, and internal defects of white-skinned potato clones grown at Hastings, Immokalee, and Live Oak, FL. - 2001.

Site and Clone	Total Yield (cwt/A)	Marketable Yield (cwt/A)	Vine Maturity <sup>1</sup>	Tuber Characteristics <sup>1</sup>						Internal Defects <sup>2</sup>			
				IFC	SC	ST	TS	ED	APP	HH	BR	CRS	INT
<b>Hastings</b>													
La Chipper	328	303	2.0	1.0	8.0	7.7	2.3	5.7	7.0	0	0	1	0
Yukon Gold	335	309	1.8	3.5	7.3	7.3	2.7	6.0	6.3	0	0	0	0
AF1615-1	516	484	3.1	1.0	7.7	7.3	3.0	7.3	7.0	0	0	0	0
B0564-8	345	314	2.5	1.0	7.0	6.0	2.0	7.0	6.0	0	0	0	0
B0564-9	439	393	3.5	1.0	6.3	5.3	2.3	6.3	5.7	0	0	3	0
B1425-9	382	338	3.5	2.0	6.7	6.3	2.7	5.7	5.7	0	0	0	0
<b>Immokalee</b>													
La Chipper	158	143	na	na	8.0	8.0	3.0	8.0	8.0	0	0	0	0
Yukon Gold	57	49	na	na	7.0	7.0	3.0	8.0	6.5	5	0	0	0
AF1615-1	68	53	na	na	7.0	7.0	3.0	7.0	7.0	0	0	0	0
B0564-8	84	62	na	na	6.0	6.0	2.5	8.0	5.0	0	0	0	0
B0564-9	166	142	na	na	6.0	6.0	2.5	7.5	5.5	0	0	0	0
B1425-9	143	121	na	na	6.0	6.0	3.0	6.0	5.0	0	0	0	0
<b>Live Oak</b>													
La Chipper	116	67	na	na	8.0	8.0	2.0	8.0	6.0	24	0	0	5
Yukon Gold	170	101	na	na	9.0	8.0	2.0	7.0	6.0	16	0	0	10
AF1615-1	171	102	na	na	9.0	7.0	2.0	8.0	6.0	18	0	0	1
B0564-8	173	98	na	na	7.0	6.0	2.0	8.0	6.0	10	0	0	10
B0564-9	140	88	na	na	7.0	6.0	2.0	8.0	6.0	13	0	0	10
B1425-9	131	62	na	na	7.0	6.0	2.0	6.0	4.0	18	1	0	16

<sup>1</sup> - See rating system outlined in Florida Rating Code Table.

<sup>2</sup> - Percent of tubers showing defects. HH = hollow heart, BR = brown rot, CRS = corky ring spot, INT = internal browning.

Florida Table 23. Statewide Red Potato Variety Trial. Yield, marketable yield, percentage of yield by grade, size distribution and specific gravity of chipping potato clones grown at Hastings, Immokalee, and Live Oak, FL. - 2001.

Main Effects	Total	Marketable	Size					Size		Specific Gravity
	Yield	Yield <sup>1</sup>	Distribution by Class (%) <sup>2</sup>					Distribution (%)		
	(cwt/A)	(cwt/A)	1	2	3	4	5	2 to 4	3 to 4	
<b>Site</b>										
Hastings	351	312	7	49	32	13	0	93	44	1.066
Immokalee	142	127	11	70	16	4	0	90	19	1.075
Live Oak	148	95	24	70	6	0	0	76	6	1.068
<i>LSD</i> <sup>3</sup>	83	86	4.8	10.7	9.0	5.7	<i>ns</i>	4.7	14.1	0.004
<i>P Value</i>	0.0013	0.0016	0.0003	0.0043	0.0014	0.0041	0.4219	0.0003	0.0017	0.0035
<b>Clone</b>										
Red LaSoda	289	251	7	54	28	11	0	93	39	1.068
LaRouge	222	189	11	67	18	4	0	89	22	1.069
Pontiac	272	227	11	57	22	10	0	89	32	1.063
B0984-1	226	191	14	57	21	7	0	86	29	1.077
B01145-2	126	98	17	76	6	1	0	83	7	1.066
B1529-1	146	111	21	67	11	1	0	79	12	1.074
<i>LSD</i> <sup>3</sup>	45	42	3.8	8.5	6.1	5.0	<i>ns</i>	3.8	8.4	0.002
<i>P Value</i>	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.4287	0.0001	0.0001	0.0001

<sup>1</sup> - Marketable Yield: size classes 2 to 4

<sup>2</sup> - Size classes: 1 = <1 7/8", 2 = 1 7/8 to 2.5", 3 = 2.5 to 3.25", 4 = 3.25 to 4", 5 = >4"

<sup>3</sup> - Means separated within columns by the *LSD* means separation test.

Florida Table 24. Statewide Red Potato Variety Trial. Yield, marketable yield, percentage of yield by grade, size distribution and specific gravity of red-skinned potato clones grown at Hastings, Immokalee, and Live Oak, FL. - 2001.

Site and Clone	Total Yield (cwt/A)	Marketable Yield <sup>1</sup>		Size Distribution by Class (%) <sup>2</sup>					Size Distribution (%)		Specific Gravity
		(cwt/A)	percent of standard								
				1	2	3	4	5	2 to 4	3 to 4	
<b>Hastings</b>											
Red LaSoda	489	444	100	1	21	45	33	1	99	78	1.063
LaRouge	328	305	69	4	52	34	11	0	96	45	1.066
Pontiac	413	374	84	3	43	37	17	0	97	54	1.060
B0984-1	405	375	85	4	32	42	22	1	96	64	1.068
B01145-2	200	160	36	15	68	16	1	0	85	17	1.066
B1529-1	273	214	48	9	66	22	2	0	91	25	1.072
<b>Immokalee</b>											
Red LaSoda	201	194	100	3	62	31	4	0	97	35	1.074
LaRouge	173	155	80	6	71	17	6	0	94	23	1.072
Pontiac	186	173	89	5	56	26	13	0	95	39	1.069
B0984-1	108	88	45	16	73	10	1	0	84	11	1.085
B01145-2	100	58	30	37	59	4	0	0	63	4	1.073
B1529-1	80	64	33	16	70	14	0	0	84	14	1.077
<b>Live Oak</b>											
Red LaSoda	178	115	100	17	73	10	0	0	83	10	1.068
LaRouge	166	106	69	23	71	5	0	0	77	5	1.069
Pontiac	215	136	84	23	68	7	2	0	77	9	1.061
B0984-1	165	111	85	21	66	13	0	0	79	13	1.077
B01145-2	77	50	36	24	76	0	0	0	76	0	1.060
B1529-1	86	54	48	33	67	0	0	0	67	0	1.072
<i>LSD</i> <sup>3</sup>	78	72		6.6	14.8	10.6	8.6	<i>ns</i>	6.5	14.5	0.004
<i>P Value</i>	0.0183	0.0020		0.0274	0.0032	0.0331	0.0003	0.4579	0.0282	0.0003	0.0001

<sup>1</sup> - see footnotes in Table 17.

Florida Table 25. Statewide Red Potato Trial. Yield, tuber characteristics, and internal defects of red-skinned potato clones grown at Hastings, Immokalee, and Live Oak, FL. - 2001.

Site and Clone	Total Yield (cwt/A)	Marketable Yield (cwt/A)	Vine Maturity <sup>1</sup>	Tuber Characteristics <sup>1</sup>						Internal Defects <sup>2</sup>			
				IFC	SC	ST	TS	ED	APP	HH	BR	CRS	INT
<b>Hastings</b>													
Red LaSoda	489	444	3.3	1.0	2.7	8.0	2.7	4.7	5.7	0	0	3	0
LaRouge	328	305	1.8	1.0	2.7	8.0	2.7	4.7	5.7	1	0	4	0
Pontiac	413	374	2.1	1.0	2.7	8.0	3.0	4.3	5.7	0	0	0	0
B0984-1	405	375	1.8	1.5	2.3	7.0	2.0	5.0	6.3	0	0	1	0
B01145-2	200	160	1.3	1.0	2.3	7.0	2.0	5.7	6.7	0	0	0	0
B1529-1	273	214	1.9	1.0	1.0	7.0	3.3	5.3	6.3	0	0	0	1
<b>Immokalee</b>													
Red LaSoda	201	194	na	na	2.5	7.0	3.0	6.0	6.0	35	0	0	5
LaRouge	173	155	na	na	2.5	7.0	2.0	6.0	6.0	15	0	0	5
Pontiac	186	173	na	na	2.5	7.0	2.0	6.0	6.0	10	0	0	0
B0984-1	108	88	na	na	2.0	7.0	2.0	6.0	8.0	0	0	0	25
B01145-2	100	58	na	na	2.0	7.5	3.0	6.5	8.0	0	0	0	0
B1529-1	80	64	na	na	1.0	7.5	3.0	7.0	8.0	0	0	0	0
<b>Live Oak</b>													
Red LaSoda	178	115	na	na	3.0	7.0	3.0	4.0	5.0	11	0	0	6
LaRouge	166	106	na	na	4.0	7.0	3.0	5.0	5.0	13	0	0	1
Pontiac	215	136	na	na	2.5	7.0	4.0	4.0	5.0	9	0	0	5
B0984-1	165	111	na	na	2.0	7.0	3.0	7.0	5.0	6	0	0	28
B01145-2	77	50	na	na	2.0	8.0	3.0	6.0	5.0	15	0	0	0
B1529-1	86	54	na	na	1.0	6.0	3.0	7.0	3.0	13	0	0	7

<sup>1</sup> - See rating system outlined in Florida Rating Code Table.

<sup>2</sup> - Percent of tubers showing defects. HH = hollow heart, BR = brown rot, CRS = corky ring spot, INT = internal browning.

Florida Table 26. Statewide Russet Potato Variety Trial. Yield, marketable yield, percentage of yield by grade, size distribution and specific gravity of chipping potato clones grown at Hastings, Immokalee, and Live Oak, FL. - 2001.

Main Effects	Total	Marketable	Size					Size		Specific Gravity
	Yield	Yield <sup>1</sup>	Distribution by Class (%) <sup>2</sup>					Distribution (%)		
	(cwt/A)	(cwt/A)	1	2	3	4	5	2 to 4	3 to 4	
<b>Site</b>										
Hastings	401	343	12	42	32	14	0	88	46	1.070
Immokalee	110	83	22	74	4	0	0	78	4	1.086
Live Oak	133	76	33	63	4	0	0	67	4	1.075
<i>LSD</i> <sup>3</sup>	50	45	6.3	7.3	5.6	2.0	<i>ns</i>	6.3	5.8	0.003
<i>P Value</i>	0.0001	0.0001	0.0006	0.0001	0.0001	0.0001	.	0.0006	0.0001	0.0001
<b>Clone</b>										
Russet Norkotah	223	185	17	59	17	7	0	83	23	1.070
Belrus	141	99	30	63	6	0	0	70	7	1.084
B1409-2	223	175	21	58	14	7	0	79	21	1.079
AF1753-16	270	211	21	58	16	5	0	79	21	1.075
<i>LSD</i> <sup>3</sup>	26	26	4.7	<i>ns</i>	4.3	3.4	<i>ns</i>	4.7	5.5	0.003
<i>P Value</i>	0.0001	0.0001	0.0001	0.2718	0.0001	0.0010	.	0.0001	0.0001	0.0001

<sup>1</sup> - Marketable Yield: size classes 2 to 4

<sup>2</sup> - Size classes: 1 = <1 7/8", 2 = 1 7/8 to 2.5", 3 = 2.5 to 3.25", 4 = 3.25 to 4", 5 = >4"

<sup>3</sup> - Means separated within columns by the *LSD* means separation test.

Florida Table 27. Statewide Russet Potato Variety Trial. Yield, marketable yield, percentage of yield by grade, size distribution and specific gravity of russet potato clones grown at Hastings, Immokalee, and Live Oak, FL. - 2001.

Site and Clone	Total Yield (cwt/A)	Marketable Yield <sup>1</sup>		Size Distribution by Class (%) <sup>2</sup>					Size Distribution (%)		Specific Gravity
		(cwt/A)	percent of standard	1	2	3	4	5	2 to 4	3 to 4	
<b>Hastings</b>											
Russet Norkotah	435	390	100	8	31	41	20	0	92	61	1.064
Belrus	266	193	49	25	59	15	1	0	75	16	1.076
B1409-2	383	331	85	10	32	37	21	0	90	59	1.071
AF1753-16	519	460	118	7	43	35	16	0	93	50	1.070
<b>Immokalee</b>											
Russet Norkotah	115	96	100	15	81	4	0	0	85	4	1.080
Belrus	96	74	77	21	76	3	0	0	79	3	1.095
B1409-2	129	98	102	20	78	2	0	0	80	2	1.087
AF1753-16	98	65	68	30	64	6	0	0	70	6	1.081
<b>Live Oak</b>											
Russet Norkotah	121	68	100	29	67	4	0	0	71	4	1.066
Belrus	61	31	46	44	56	0	0	0	56	0	1.082
B1409-2	158	95	141	33	65	2	0	0	67	2	1.079
AF1753-16	194	109	160	25	68	6	0	0	75	6	1.075
<i>LSD</i> <sup>3</sup>	44	45		8.2	10.8	7.4	5.8	<i>ns</i>	8.2	9.5	0.004
<i>P Value</i>	0.0001	0.0001		0.0007	0.0001	0.0006	0.0001	-	0.0007	0.0001	0.0529

<sup>1</sup> - see footnotes in Table 17.

Florida Table 28. Statewide Russet Potato Trial. Yield, tuber characteristics, and internal defects of russet potato clones grown at Hastings, Immokalee, and Live Oak, FL. - 2001.

Site and Clone	Total Yield (cwt/A)	Marketable Yield (cwt/A)	Vine Maturity <sup>1</sup>	Tuber Characteristics <sup>1</sup>						Internal Defects <sup>2</sup>			
				IFC	SC	ST	TS	ED	APP	HH	BR	CRS	INT
<b>Hastings</b>													
Russet Norkotah	435	390	5.3	1.0	5.3	3.0	6.7	6.0	5.0	1	0	0	0
Belrus	266	193	2.5	1.5	4.0	2.0	6.3	5.7	6.7	0	0	0	0
B1409-2	383	331	1.5	1.0	5.0	3.0	5.7	6.3	6.3	0	0	0	0
AF1753-16	519	460	5.0	1.0	5.0	3.3	7.0	5.7	5.3	0	0	0	0
<b>Immokalee</b>													
Russet Norkotah	115	96	na	na	5.0	3.0	5.0	8.0	8.0	0	5	0	0
Belrus	96	74	na	na	4.0	2.0	5.0	8.0	8.0	0	0	0	0
B1409-2	129	98	na	na	5.0	3.0	5.0	8.0	8.0	0	0	0	0
AF1753-16	98	65	na	na	6.0	4.0	5.0	8.0	5.5	0	0	5	0
<b>Live Oak</b>													
Russet Norkotah	121	68	na	na	5.0	3.0	5.0	6.0	3.0	4	0	0	3
Belrus	61	31	na	na	4.0	2.0	5.0	6.0	3.0	24	0	1	1
B1409-2	158	95	na	na	5.0	5.0	4.0	7.0	6.0	4	0	0	1
AF1753-16	194	109	na	na	7.0	6.0	5.0	7.0	4.0	6	0	0	1

<sup>1</sup> - See rating system outlined in Florida Rating Code Table.

<sup>2</sup> - Percent of tubers showing defects. HH = hollow heart, BR = brown rot, CRS = corky ring spot, INT = internal browning.