

CHAPTER 9. NE-184 REGIONAL PROJECT POTATO VARIETY TRIAL, 2002

General Comments

The NE184 Regional Project is a multi-state potato evaluation program developed to identify new potato clones. The production, adaptation, and performance stability of new potato clones is documented under a wide range of geographic, climatic, soil, and cultural conditions.

Planting Information

Planting Site	Hastings REC, Yelvington Farm, Hastings, FL
Planting Date	January 29, 2002
Vine Kill Date	May 10, 2002
Harvest Date	May 16, 2002
Season Length	100 days
Fertilizer Program	preplant, 80-11-68 lb/A; sidedress (twice), 60-8-51 lb/A
Irrigation Program	seepage

Experimental Design

Number of Varieties	16
Number of Clones	10
Within Row Spacing	12 in (30.5 cm)
Between Row Spacing	40 in (102 cm)
Replications	4
Plot Size	20 ft (6.1 m)

Production Statistics

Early Vigor Ratings	43 days after planting
Highest Total Yield	NY115 (432 cwt/acre or 48.4MT/ha)
Highest Marketable Yield	NY115 (384 cwt/acre or 43.0 MT/ha)
Highest Gravity	B1425-9 (1.081)
Best Overall Appearance	Dark Red Norland (7.0, good)

Specific Comments

Atlantic (NE184). Atlantic total and marketable tuber yields were 400 and 362 cwt/acre, respectively. Potato tuber skin color was tan to buff with a slightly netted to moderately smooth texture. Tuber flesh color was white to cream. Tuber shape was rated as ‘mostly round’ to ‘round to oblong’ with an eye depth of shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as starting to mature to moderately mature. Average specific gravity for Atlantic tubers was 1.076.

Aquilon (NE184). Aquilon total and marketable tuber yields were 419 and 369 cwt/acre, respectively. Potato tuber skin color was buff with a slightly netted to moderately smooth texture. Tuber flesh color was white to cream. Tuber shape was rated as ‘mostly round’ to ‘round to oblong’ with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as starting to mature to moderately mature. Average specific gravity for Aquilon tubers was 1.076.

Brise Du Nord (NE184). Brise Du Nord total and marketable tuber yields were 323 and 254 cwt/acre, respectively. Potato tuber skin color was pink to red with a moderately smooth texture. Tuber flesh color was white. Tuber shape was rated as ‘round to oblong’ to ‘mostly oblong’ with an eye depth of intermediate. Overall external tuber appearance was noted as poor to fair. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as upright with a fair to good canopy. Plant maturity at harvest was rated as moderately mature to yellow and dying. Average specific gravity for Brise Du Nord tubers was 1.067.

Chieftain (NE184). Chieftain total and marketable tuber yields were 333 and 311 cwt/acre, respectively. Potato tuber skin color was pink to red with a moderately smooth to smooth texture. Tuber flesh color was white to cream. Tuber shape was rated as ‘round to oblong’ with an eye depth of intermediate. Overall external tuber appearance was noted as fair. Early plant vigor (size) was rated as 2 to 4 inches. Vine type at full flower was rated as upright with a fair canopy. Plant maturity at harvest was rated as moderately mature to yellow and dying. Average specific gravity for Chieftain tubers was 1.058.

Dark Red Norland (NE184). Dark Red Norland total and marketable tuber yields were 257 and 231 cwt/acre, respectively. Potato tuber skin color was red with a smooth texture. Tuber flesh color was white. Tuber shape was rated as ‘mostly round’ to ‘round to oblong’ with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as good. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as spreading to upright with a fair canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for Dark Red Norland tubers was 1.059.

Envol (NE184). Envol total and marketable tuber yields were 298 and 276 cwt/acre, respectively. Potato tuber skin color was buff to white with a moderately smooth texture. Tuber flesh color was white to cream. Tuber shape was rated as ‘round to oblong’ with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for Envol tubers was 1.067.

Gem Russet (NE184). Gem Russet total and marketable tuber yields were 122 and 74 cwt/acre, respectively. Potato tuber skin color was brown with a moderate russet texture. Tuber flesh color was white. Tuber shape was rated as ‘mostly oblong’ to ‘oblong’ with an eye depth of intermediate. Overall external tuber appearance was noted as poor to fair. Early plant vigor (size) was rated as leaves in a rosette. Vine type at full flower was rated as upright with a fair to good canopy. Plant maturity at harvest was rated as green and vigorous. Average specific gravity for Gem Russet tubers was 1.060.

Katahdin (NE184). Katahdin total and marketable tuber yields were 373 and 322 cwt/acre, respectively. Potato tuber skin color was white to cream with a moderately smooth texture. Tuber flesh color was white to cream. Tuber shape was rated as ‘mostly round’ to ‘round to oblong’ with an eye depth of intermediate to

shallow. Overall external tuber appearance was noted as fair. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as spreading to upright with a fair canopy. Plant maturity at harvest was rated as moderately mature to yellow and dying. Average specific gravity for Katahdin tubers was 1.065.

Kennebec (NE184). Kennebec total and marketable tuber yields were 376 and 333 cwt/acre, respectively. Potato tuber skin color was buff to white with a moderately smooth to smooth texture. Tuber flesh color was white. Tuber shape was rated as ‘round to oblong’ with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as poor to fair. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as starting to mature to moderately mature. Average specific gravity for Kennebec tubers was 1.066.

Roselys (NE184). Roselys total and marketable tuber yields were 421 and 369 cwt/acre, respectively. Potato tuber skin color was pink with a smooth texture. Tuber flesh color was dark yellow. Tuber shape was rated as ‘mostly round’ with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as poor to fair. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as yellow and dying. Average specific gravity for Roselys tubers was 1.064.

Russet Burbank (NE184). Russet Burbank total and marketable tuber yields were 283 and 151 cwt/acre, respectively. Potato tuber skin color was brown to tan with a light to moderate russet texture. Tuber flesh color was white. Tuber shape was rated as ‘round to oblong’ to ‘mostly oblong’ with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as poor to fair. Early plant vigor (size) was rated as 2 to 4 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as green and vigorous to starting to mature. Average specific gravity for Russet Burbank tubers was 1.065.

Russet Legend (NE184). Russet Legend total and marketable tuber yields were 313 and 273 cwt/acre, respectively. Potato tuber skin color was brown with a heavy russet texture. Tuber flesh color was white. Tuber shape was rated as ‘oblong’ with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 2 to 4 inches. Vine type at full flower was rated as spreading to upright with a fair canopy. Plant maturity at harvest was rated as starting to mature to moderately mature. Average specific gravity for Russet Legend tubers was 1.065.

Russet Norkotah (NE184). Russet Norkotah total and marketable tuber yields were 313 and 283 cwt/acre, respectively. Potato tuber skin color was brown with a moderate to heavy russet texture. Tuber flesh color was white. Tuber shape was rated as ‘round to oblong’ to ‘mostly oblong’ with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 2 to 4 inches. Vine type at full flower was rated as upright with a fair canopy. Plant maturity at harvest was rated as moderately mature to yellow and dying. Average specific gravity for Russet Norkotah tubers was 1.064.

Snowden (NE184). Snowden total and marketable tuber yields were 415 and 370 cwt/acre, respectively. Potato tuber skin color was buff to white with a slightly netted texture. Tuber flesh color was white. Tuber shape was rated as ‘mostly round’ with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as starting to mature to moderately mature. Average specific gravity for Snowden tubers was 1.075.

Superior (NE184). Superior total and marketable tuber yields were 283 and 244 cwt/acre, respectively. Potato tuber skin color was white with a slightly netted texture. Tuber flesh color was white. Tuber shape was rated as ‘mostly round’ to ‘round to oblong’ with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as poor to fair. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as upright with a fair canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for Superior tubers was 1.073.

Yukon Gold (NE184). Yukon Gold total and marketable tuber yields were 332 and 303 cwt/acre, respectively. Potato tuber skin color was white with a moderately smooth texture. Tuber flesh color was medium yellow.

Tuber shape was rated as 'round to oblong' with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 2 to 4 inches. Vine type at full flower was rated as upright with a poor to fair canopy. Plant maturity at harvest was rated as moderately mature to yellow and dying. Average specific gravity for Yukon Gold tubers was 1.073.

AF1753-16 (UM). AF1753-16 total and marketable tuber yields were 423 and 311 cwt/acre, respectively. Potato tuber skin color was buff with a netted texture. Tuber flesh color was white. Tuber shape was rated as 'oblong to long' with an eye depth of shallow to very shallow. Overall external tuber appearance was noted as poor to fair. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as upright with a fair to good canopy. Plant maturity at harvest was rated as starting to mature to moderately mature. Average specific gravity for AF1753-16 tubers was 1.066.

AF1775-2 (UM). AF1775-2 total and marketable tuber yields were 287 and 267 cwt/acre, respectively. Potato tuber skin color was buff with a slightly netted to moderately smooth texture. Tuber flesh color was white. Tuber shape was rated as 'round to oblong' with an eye depth of shallow. Overall external tuber appearance was noted as poor to fair. Early plant vigor (size) was rated as 2 to 4 inches. Vine type at full flower was rated as upright with a fair canopy. Plant maturity at harvest was rated as green and vigorous to starting to mature. Average specific gravity for AF1775-2 tubers was 1.068.

AF1938-3 (UM). AF1938-3 total and marketable tuber yields were 337 and 297 cwt/acre, respectively. Potato tuber skin color was buff to white with a slightly netted to moderately smooth texture. Tuber flesh color was white. Tuber shape was rated as 'mostly round' to 'round to oblong' with an eye depth of shallow to very shallow. Overall external tuber appearance was noted as poor to fair. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as spreading to upright with a fair canopy. Plant maturity at harvest was rated as moderately mature to yellow and dying. Average specific gravity for AF1938-3 tubers was 1.067.

AF2133-17 (UM). AF2133-17 total and marketable tuber yields were 267 and 228 cwt/acre, respectively. Potato tuber skin color was dark brown with a heavy russet texture. Tuber flesh color was white. Tuber shape was rated as 'oblong' with an eye depth of shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 2 to 4 inches. Vine type at full flower was rated as upright with a fair canopy. Plant maturity at harvest was rated as moderately mature to yellow and dying. Average specific gravity for AF2133-17 tubers was 1.062.

ARS-W96-40022-5 (USDA). ARS-W96-40022-5 total and marketable tuber yields were 318 and 250 cwt/acre, respectively. Potato tuber skin color was white to cream with a moderately smooth texture. Tuber flesh color was white. Tuber shape was rated as 'mostly round' to 'round to oblong' with an eye depth of shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a fair canopy. Plant maturity at harvest was rated as moderately mature to yellow and dying. Average specific gravity for ARS-W96-40022-5 tubers was 1.075.

ATX84706-2Ru (TAMU). ATX84706-2Ru total and marketable tuber yields were 386 and 343 cwt/acre, respectively. Potato tuber skin color was buff to white with a slightly netted texture. Tuber flesh color was white. Tuber shape was rated as 'mostly oblong' with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as fair. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as moderately mature to yellow and dying. Average specific gravity for ATX84706-2Ru tubers was 1.061.

B1425-9 (USDA). B1425-9 total and marketable tuber yields were 425 and 370 cwt/acre, respectively. Potato tuber skin color was white with a slightly netted to moderately smooth texture. Tuber flesh color was cream. Tuber shape was rated as 'round to oblong' with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a fair canopy. Plant maturity at harvest was rated as moderately mature to yellow and dying. Average specific gravity for B1425-9 tubers was 1.081.

B1523-4 (USDA). B1523-4 total and marketable tuber yields were 361 and 327 cwt/acre, respectively. Potato tuber skin color was red to pink with a moderately smooth to smooth texture. Tuber flesh color was white to

cream. Tuber shape was rated as 'mostly round' to 'round to oblong' with an eye depth of intermediate. Overall external tuber appearance was noted as fair. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as moderately mature to yellow and dying. Average specific gravity for B1523-4 tubers was 1.063.

NY102 (Cornell). NY102 total and marketable tuber yields were 329 and 288 cwt/acre, respectively. Potato tuber skin color was buff with a smooth texture. Tuber flesh color was white to cream. Tuber shape was rated as 'mostly round' with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as spreading to upright with a fair canopy. Plant maturity at harvest was rated as starting to mature to moderately mature. Average specific gravity for NY102 tubers was 1.077.

NY115 (Cornell). NY115 total and marketable tuber yields were 432 and 384 cwt/acre, respectively. Potato tuber skin color was white with a moderately smooth to smooth texture. Tuber flesh color was white. Tuber shape was rated as 'mostly round' with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as starting to mature to moderately mature. Average specific gravity for NY115 tubers was 1.067.

Table 24. Production statistics for NE184 potato selections.

Clone	Total Yield (cwt/A)	Marketable Yield ¹		Size Distribution by Class (%) ²					Size Class Range (%)		Specific Gravity
		(cwt/A)	% of standard	1	2	3	4	5	2 to 4	3 to 4	
Atlantic	400	362	100	2	27	41	29	1	97	70	1.076
Aquilon	419	369	102	4	51	41	4	0	96	45	1.076
Brise Du Nord	323	254	70	11	84	6	0	0	90	6	1.067
Chieftain	333	311	86	4	48	45	3	0	96	49	1.058
Dark Red Norland	257	231	64	4	58	34	5	0	96	39	1.059
Envol	298	276	76	4	54	39	3	0	96	42	1.067
Gem Russet	122	74	21	29	62	10	0	0	72	10	1.060
Katahdin	373	322	89	3	30	44	21	2	96	65	1.065
Kennebec	376	333	92	3	37	48	13	0	98	61	1.066
Roselys	421	369	102	3	21	39	37	1	96	76	1.064
Russet Burbank	283	151	42	18	77	5	0	0	82	5	1.065
Russet Legend	313	273	76	2	38	47	13	0	98	60	1.065
Russet Norkotah	313	283	78	6	69	23	2	0	94	26	1.064
Snowden	415	370	102	5	53	36	6	0	95	42	1.075
Superior	283	244	67	4	74	21	1	0	96	21	1.073
Yukon Gold	332	303	84	2	26	46	25	0	98	72	1.073
AF1753-16	423	311	86	5	72	23	0	0	95	23	1.066
AF1775-2	287	267	74	2	28	40	29	1	97	69	1.068
AF1938-3	337	297	82	3	36	43	18	0	97	61	1.067
AF2133-17	267	228	63	7	55	35	3	0	93	38	1.062

Table 24 (cont'd). Production statistics for NE184 potato selections.

Clone	Total Yield (cwt/A)	Marketable Yield ¹		Size Distribution by Class (%) ²					Size Class Range (%)		Specific Gravity
		(cwt/A)	% of standard	1	2	3	4	5	2 to 4	3 to 4	
ARS-W96-40022-5	318	250	69	10	63	21	5	0	90	27	1.075
ATX84706-2Ru	386	343	95	2	21	40	36	1	97	76	1.061
B1425-9	425	370	102	4	51	35	9	0	96	44	1.081
B1523-4	361	327	90	3	36	35	24	2	95	59	1.063
NY102	329	288	79	4	51	39	6	0	96	45	1.077
NY115	432	384	106	4	45	38	13	0	96	51	1.067
<i>LSD</i> ³	85	87		6	19	20	15	ns	7	20	0.007
<i>P Value</i>	0.0001	0.0001		0.0001	0.0001	0.0001	0.0001	0.6857	0.0001	0.0001	0.0001

¹Marketable Yield: size classes 2 to 4

²Size 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"

³Means separated within columns by Tukey's Studentized Range (HSD) Test.

Table 25. Plant growth and tuber characteristics of NE184 potato selections.

Clone	Plant Growth Characteristics ¹				Tuber Characteristics ¹					
	% Stand	Early Vigor	Vine Type	Vine Maturity	IFC	SC	ST	TS	ED	APP
Atlantic	94	4.8	9-6	6.3	1.5	6.5	5.5	2.5	7.0	6.0
Aquilon	100	5.3	9-6	5.8	1.5	7.0	6.5	2.5	6.5	5.5
Brise Du Nord	94	4.8	8-9	4.3	1.0	2.5	7.0	3.5	5.0	4.5
Chieftain	95	4.3	8	3.8	1.5	2.5	7.5	3.0	5.0	5.0
Dark Red Norland	100	5.0	5-8	2.0	1.0	2.0	8.0	2.5	5.5	7.0
Envol	96	5.8	9-6	1.8	1.5	7.5	7.0	3.0	6.0	6.5
Gem Russet	69	2.0	8-7	9.0	1.0	5.0	3.0	4.5	5.0	4.0
Katahdin	91	4.5	8-5	3.8	1.5	8.5	7.0	2.5	6.5	5.0
Kennebec	100	4.5	9-6	5.8	1.0	7.5	7.5	3.0	6.0	4.5
Roselys	100	6.3	9-6	3.0	5.0	3.0	8.0	2.0	6.5	4.5
Russet Burbank	90	4.3	9-6	8.5	1.0	5.5	3.5	3.5	6.5	4.0
Russet Legend	85	4.3	8-5	6.0	1.0	5.0	2.0	5.0	6.0	6.0
Russet Norkotah	85	3.5	8	3.3	1.0	5.0	2.5	3.5	6.0	5.5
Snowden	100	5.5	9-6	5.8	1.0	7.5	6.0	2.0	5.5	6.0
Superior	99	5.0	8	2.8	1.0	8.0	6.0	2.5	5.5	4.0
Yukon Gold	84	4.0	8-7	3.8	4.0	8.0	7.0	3.0	6.5	5.5
AF1753-16	99	5.0	8-9	6.3	1.0	7.0	5.0	6.0	7.5	4.5
AF1775-2	89	3.5	8	8.5	1.0	7.0	6.5	3.0	7.0	4.0
AF1938-3	86	4.5	5-8	4.0	1.0	7.5	6.5	2.5	7.5	4.5
AF2133-17	88	3.8	8	3.3	1.0	4.0	2.0	5.0	7.0	6.0

Table 25 (cont'd). Plant growth and tuber characteristics of NE184 potato selections.

Clone	Plant Growth Characteristics ¹				Tuber Characteristics ¹					
	% Stand	Early Vigor	Vine Type	Vine Maturity	IFC	SC	ST	TS	ED	APP
ARS-W96-40022-5	100	6.0	8-5	3.8	1.0	8.5	7.0	2.5	7.0	6.0
ATX84706-2Ru	95	5.0	6-9	3.3	1.0	7.5	6.0	4.0	6.5	5.0
B1425-9	100	5.8	8-5	4.3	2.0	8.0	6.5	3.0	6.0	6.0
B1523-4	99	5.8	6-9	3.3	1.5	2.5	7.5	2.5	5.0	5.0
NY102	90	4.8	8-5	5.3	1.5	7.0	8.0	2.0	5.5	5.5
NY115	98	4.8	6-9	5.5	1.0	8.0	7.5	2.0	6.0	6.0

¹See rating system outlined in Tables 1 and 2.

Table 26. External and internal defects of NE184 potato selections.

Clone	External Tuber Defects (cwt/A)					% Internals Tuber Defects ²			
	Growth Cracks	Mis-shapen	Sun-burned	Rotten & misc.	Total Culls ¹	HH	BR	CRS	IHN
Atlantic	3	4	17	3	27	0	0	0	1
Aquilon	19	2	7	5	33	0	0	0	13
Brise Du Nord	4	20	13	2	39	0	0	0	1
Chieftain	0	0	7	3	10	0	1	0	8
Dark Red Norland	2	3	2	9	16	0	0	0	0
Envol	0	2	4	4	10	0	0	0	0
Gem Russet	0	17	0	3	20	15	0	0	10
Katahdin	2	3	29	1	36	0	0	0	4
Kennebec	1	5	29	1	36	0	0	0	1
Roselys	16	2	19	1	37	0	0	1	1
Russet Burbank	0	99	2	0	101	0	0	0	3
Russet Legend	7	14	11	3	35	0	0	0	0
Russet Norkotah	0	7	4	2	13	0	0	0	0
Snowden	0	1	24	1	26	0	0	0	0
Superior	0	2	6	20	28	0	0	0	0
Yukon Gold	3	1	13	6	22	1	0	0	0
AF1753-16	2	74	20	1	96	0	0	0	0
AF1775-2	3	0	7	3	13	0	0	0	6
AF1938-3	1	1	20	10	32	4	0	0	0
AF2133-17	0	9	2	9	20	0	1	0	0

Table 26 (cont'd). External and internal defects of NE184 potato selections.

Clone	External Tuber Defects (cwt/A)					% Internals Tuber Defects ²			
	Growth Cracks	Mis-shapen	Sun-burned	Rotten & misc.	Total Culls ¹	HH	BR	CRS	IHN
ARS-W96-40022-5	0	8	18	13	39	1	0	0	23
ATX84706-2Ru	19	1	6	6	32	0	0	0	0
B1425-9	2	3	28	6	38	3	0	0	0
B1523-4	3	1	9	5	18	0	0	0	0
NY102	11	0	11	6	29	0	0	0	1
NY115	1	0	22	8	31	0	0	0	1
<i>LSD</i> ³	16	33	25	15	48	6	<i>ns</i>	<i>ns</i>	14
<i>P Value</i>	0.0001	0.0001	0.0001	0.0009	0.0001	0.0001	0.4782	0.4782	0.0001

¹Total culls include the sum of growth cracks, mishapen, sunburned and rotten/misc.

²Percent tubers: HH, hollow heart; BR, brown rot; CRS, corky ringspot; IHN, internal heat necrosis.

³Means separated within columns by Tukey's Studentized Range (HSD) Test.

