

CHAPTER 11. NE-1014 REGIONAL PROJECT POTATO VARIETY TRIAL, 2003

General Comments

The NE1014 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. The University of Maine produces and supplies all cooperators with similar seed.

Planting Information

Planting Site	PSREU, Yelvington Farm, Hastings, FL
Planting Date	January 28, 2003
Vine Kill Date	May 1, 2003
Harvest Date	May 19, 2003
Season Length	93 days planting to vine kill; 111 days planting to harvest
Fertilizer Program	preplant, 100-43-86 lb/A; sidedress, 50-0-42 lb/A; 80-0-69 lb/A
Irrigation Program	seepage

Experimental Design

Number of Varieties	11
Number of Clones	13
Within Row Spacing	8 in (20 cm)
Between Row Spacing	40 in (102 cm)
Replications	4
Plot Size	16 ft (4.9 m)

Production Statistics

Early Vigor Ratings	41 days after planting
Highest Total Yield	NY127 (666 cwt/acre or 74.6 MT/ha)
Highest Marketable Yield	NY127 (600 cwt/acre or 67.2 MT/ha)
Highest Gravity	Snowden (1.081)
Best Overall Appearance	AC Sunbury (7.3, good to excellent)

Specific Comments

Atlantic (NE1014). *Chip.* Atlantic total and marketable tuber yields were 537 and 476 cwt/acre, respectively. Potato tuber skin color was tan to buff with a netted 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 upright with a good canopy. Plant maturity at vine kill was rated as starting to senesce. Average specific gravity for Atlantic tubers was 1.073. Hollow heart was noted in 14% of tubers at harvest.

AC Red Island (NE1014). *Red.* AC Red Island total and marketable tuber yields were 473 and 410 cwt/acre, respectively. Potato tuber skin color was pink with a slightly netted to moderately smooth texture. Tuber flesh color was light 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 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at vine kill was rated as starting to senesce to moderately senesced. Average specific gravity for AC Red Island tubers was 1.070. Tubers were noted as having “alligator skin” at harvest.

AC Sunbury (NE1014). *Round White.* AC Sunbury total and marketable tuber yields were 340 and 278 cwt/acre, respectively. Potato tuber skin color was buff with a moderately smooth to smooth texture. Tuber flesh color was light yellow. Tuber shape was rated as ‘mostly round’ with an eye depth of shallow to very shallow. Overall external tuber appearance was noted as good to excellent. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as upright with a fair canopy. Plant maturity at vine kill was rated as starting to senesce to moderately senesced. Average specific gravity for AC Sunbury tubers was 1.070.

Aquilon (NE1014). *Round White.* Aquilon total and marketable tuber yields were 519 and 460 cwt/acre, respectively. Potato tuber skin color was tan with a netted to slightly netted 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 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 vine kill was rated as green and vigorous to starting to senesce. Average specific gravity for Aquilon tubers was 1.078. Internal heat necrosis was noted in 8% of tubers at harvest.

Chieftain (NE1014). *Red.* Chieftain total and marketable tuber yields were 445 and 384 cwt/acre, respectively. Potato tuber skin color was pink to red with a slightly netted to 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 deep. Overall external tuber appearance was noted as fair to poor. Early plant vigor (size) was rated as 2 to 4 inches. Vine type at full flower was rated as upright with a good canopy. Plant maturity at vine kill was rated as starting to senesce to moderately senesced. Average specific gravity for Chieftain tubers was 1.059. Internal heat necrosis was noted in 5% of tubers at harvest.

Dark Red Norland (NE1014). *Red.* Dark Red Norland total and marketable tuber yields were 360 and 252 cwt/acre, respectively. Potato tuber skin color was red with a slightly netted to moderately smooth texture. Tuber flesh color was 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 good. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as spreading with a fair to good canopy. Plant maturity at vine kill was rated as moderately senesced to yellow and dying. Average specific gravity for Dark Red Norland tubers was 1.063.

Envol (NE1014). *Round White.* Envol total and marketable tuber yields were 420 and 362 cwt/acre, respectively. Potato tuber skin color was buff to white with a slightly netted 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 4 to 6 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at vine kill was rated as

moderately senesced. Average specific gravity for Envol tubers was 1.072. Tubers were noted as “flat” at harvest.

Russet Burbank (NE1014). *Russet.* Russet Burbank total and marketable tuber yields were 371 and 168 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 ‘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 leaves in a rosette. Vine type at full flower was rated as upright with a fair canopy. Plant maturity at vine kill was rated as green and vigorous. Average specific gravity for Russet Burbank tubers was 1.071. Twenty-six percent of tubers were rated as misshaped at harvest.

Russet Norkotah 3117 (NE1014). *Russet.* Russet Norkotah total and marketable tuber yields were 400 and 242 cwt/acre, respectively. Potato tuber skin color was brown to dark brown with a heavy russet texture. Tuber flesh color was white to cream. Tuber shape was rated as ‘oblong’ to ‘oblong to long’ 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 plants less than 2 inches. Vine type at full flower was rated as upright with a fair canopy. Plant maturity at vine kill was rated as starting to senesce. Average specific gravity for Russet Norkotah tubers was 1.062. Twelve percent of tubers were rated as misshaped at harvest.

Snowden (NE1014). *Chip.* Snowden total and marketable tuber yields were 501 and 462 cwt/acre, respectively. Potato tuber skin color was tan to buff with a netted to slightly netted texture. Tuber flesh color was white. Tuber shape was rated as ‘round’ to ‘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 2 to 4 inches. Vine type at full flower was rated as upright with a good canopy. Plant maturity at vine kill was rated as starting to senesce to moderately senesced. Average specific gravity for Snowden tubers was 1.081.

Yukon Gold (NE1014). *Round White.* Yukon Gold total and marketable tuber yields were 416 and 334 cwt/acre, respectively. Potato tuber skin color was buff to white with a smooth to moderately smooth texture. Tuber flesh color was light to 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 leaves in a rosette. Vine type at full flower was rated as upright with a fair canopy. Plant maturity at vine kill was rated as starting to senesce. Average specific gravity for Yukon Gold tubers was 1.074. Hollow heart was noted in 5% of tubers at harvest. Eight percent of tubers were rated as misshaped at harvest.

A9014-2 (NE1014). *Russet.* A9014-2 total and marketable tuber yields were 424 and 319 cwt/acre, respectively. Potato tuber skin color was brown to dark brown with a heavy russet texture. Tuber flesh color was white. Tuber shape was rated as ‘oblong’ to ‘oblong to long’ with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as fair. Early plant vigor (size) was rated as leaves in a rosette. Vine type at full flower was rated as upright with a good canopy. Plant maturity at vine kill was rated as green and vigorous. Average specific gravity for A9014-2 tubers was 1.070.

AF1753-16 (NE1014). *Russet.* AF1753-16 total and marketable tuber yields were 582 and 382 cwt/acre, respectively. Potato tuber skin color was tan to buff with a netted to light russet texture. Tuber flesh color was white to cream. Tuber shape was rated as ‘oblong to long’ to ‘mostly long’ with an eye depth of shallow to very 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 vine kill was rated as green and vigorous to starting to senesce. Average specific gravity for AF1753-16 tubers was 1.068. Twenty-three percent of tubers were rated as misshaped at harvest.

AF1808-18 (NE1014). *Russet.* AF1808-18 total and marketable tuber yields were 383 and 267 cwt/acre, respectively. Potato tuber skin color was dark brown to brown with a heavy russet texture. Tuber flesh color was white to cream. Tuber shape was rated as ‘oblong to long’ with an eye depth of shallow to very 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 vine kill was rated as starting to senesce to moderately senesced. Average specific gravity for AF1808-18 tubers was 1.071.

AF2115-1 (NE1014). *Round White.* AF2115-1 total and marketable tuber yields were 424 and 372 cwt/acre, respectively. Potato tuber skin color was white with a 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 2 to 4 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at vine kill was rated as green and vigorous to starting to senesce. Average specific gravity for AF2115-1 tubers was 1.070. Internal heat necrosis was noted in 5% of tubers at harvest. Tubers were noted at harvest as having a severely misshaped apical end.

AF2222-2 (NE1014). AF2222-2 total and marketable tuber yields were 438 and 358 cwt/acre, respectively. Potato tuber skin color was white with a moderately smooth texture. Tuber flesh color was white to cream. Tuber shape was rated as 'round' to 'mostly round' 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 vine kill was rated as green and vigorous to starting to senesce. Average specific gravity for AF2222-2 tubers was 1.074. Five percent of tubers were rated as misshaped at harvest.

ATX84706-2Ru (NE1014). *Russet.* ATX84706-2Ru total and marketable tuber yields were 431 and 320 cwt/acre, respectively. Potato tuber skin color was tan with a netted to light russet texture. Tuber flesh color was white to cream. Tuber shape was rated as 'mostly oblong' 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 plants less than 2 inches. Vine type at full flower was rated as upright with a good canopy. Plant maturity at vine kill was rated as starting to senesce to moderately senesced. Average specific gravity for ATX84706-2Ru tubers was 1.063. Seven percent of tubers were rated at misshaped at harvest. Hollow heart was noted in 6% of tubers at harvest.

B1758-3 (NE1014). *Red.* B1758-3 total and marketable tuber yields were 449 and 382 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 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 vine kill was rated as starting to senesce to moderately senesced. Average specific gravity for B1758-3 tubers was 1.064.

NDTX731-1R (NE1014). *Red.* NDTX731-1R total and marketable tuber yields were 473 and 427 cwt/acre, respectively. Potato tuber skin color was pink to red with a slightly netted to moderately smooth texture. Tuber flesh color was white. Tuber shape was rated as 'mostly round' with an eye depth of deep to intermediate. 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 upright with a good canopy. Plant maturity at vine kill was rated as green and vigorous to starting to senesce. Average specific gravity for NDTX731-1R tubers was 1.058.

NY120 (NE1014). *Round White.* NY120 total and marketable tuber yields were 404 and 322 cwt/acre, respectively. Potato tuber skin color was tan to buff with a netted to slightly netted 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 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 vine kill was rated as starting to senesce to moderately senesced. Average specific gravity for NY120 tubers was 1.074. Hollow heart was noted in 6% of tubers at harvest.

NY126 (NE1014). *Round White.* NY126 total and marketable tuber yields were 455 and 391 cwt/acre, respectively. Potato tuber skin color was tan to buff with a slightly netted texture. Tuber flesh color was cream to light yellow. Tuber shape was rated as 'round to oblong' to 'mostly oblong' with an eye depth of shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as leaves in a rosette. Vine type at full flower was rated as upright with a good canopy. Plant maturity at vine kill was rated as green and vigorous to starting to senesce. Average specific gravity for NY126 tubers was 1.073.

NY127 (NE1014). *Round White.* NY127 total and marketable tuber yields were 666 and 600 cwt/acre, respectively. Potato tuber skin color was buff with a slightly netted to moderately smooth texture. Tuber flesh

color was 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 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at vine kill was rated as green and vigorous to starting to senesce. Average specific gravity for NY127 tubers was 1.065.

NY128 (NE1014). *Round White.* NY128 total and marketable tuber yields were 490 and 436 cwt/acre, respectively. Potato tuber skin color was buff with a slightly netted texture. Tuber flesh color was 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 leaves in a rosette. Vine type at full flower was rated as upright with a fair canopy. Plant maturity at vine kill was rated as green and vigorous. Average specific gravity for NY128 tubers was 1.071.

NY129 (NE1014). *Red.* NY129 total and marketable tuber yields were 460 and 384 cwt/acre, respectively. Potato tuber skin color was pink to red 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 leaves in a rosette. Vine type at full flower was rated as upright with a fair canopy. Plant maturity at vine kill was rated as green and vigorous to starting to senesce. Average specific gravity for NY129 tubers was 1.055.

Table 35. Production statistics for NE1014 potato selections.

Clone	Total	Marketable Yield ¹		Size						Size Class		Specific Gravity
	Yield (cwt/A)	(cwt/A)	% of standard	Distribution by Class (%) ²						Range (%)		
				C	B	A1	A2	A3	A4	A1 to A3	A2 to A3	
Atlantic	537	476	100	5	4	27	33	30	0	91	63	1.073
AC Red Island	473	410	86	6	6	51	29	8	0	88	37	1.070
AC Sunbury	340	278	58	8	5	55	26	6	0	86	32	1.079
Aquilon	519	460	97	4	4	53	32	5	0	91	38	1.078
Chieftain	445	384	81	5	4	45	35	11	0	91	46	1.059
Dark Red Norland	360	252	53	17	13	62	8	0	0	71	8	1.063
Envol	420	362	76	6	6	49	31	8	0	88	39	1.072
Russet Burbank	371	168	35	17	19	63	1	0	0	63	1	1.071
Russet Norkotah 3117	400	242	51	17	13	56	13	0	0	70	13	1.062
Snowden	501	462	97	2	3	36	43	16	0	95	59	1.081
Yukon Gold	416	334	70	4	4	36	41	15	0	92	56	1.074
A9014-2	424	319	67	11	13	63	13	0	0	76	13	1.070
AF1753-16	582	382	80	4	6	64	23	2	0	89	25	1.068
AF1808-18	383	267	56	11	11	62	15	1	0	78	16	1.071
AF2115-1	424	372	78	4	4	49	33	11	0	93	44	1.070
AF2222-2	438	358	75	6	6	51	27	10	0	87	37	1.074

Table 35 (con't). Production statistics for NE1014 potato selections.

Clone	Total	Marketable Yield ¹		Size						Size Class		Specific Gravity
	Yield (cwt/A)	(cwt/A)	% of standard	Distribution by Class (%) ²						Range (%)		
				C	B	A1	A2	A3	A4	A1 to A3	A2 to A3	
ATX84706-2Ru	431	320	67	9	7	49	24	11	0	84	35	1.063
B1758-3	449	382	80	6	6	39	36	14	0	89	50	1.064
NDTX731-1R	473	427	90	4	3	37	28	27	1	92	54	1.058
NY120	404	322	68	9	9	48	25	8	0	81	33	1.074
NY126	455	391	82	5	6	46	31	12	0	89	43	1.073
NY127	666	600	126	2	3	36	41	17	1	94	58	1.065
NY128	490	436	92	5	5	41	36	13	0	91	49	1.071
NY129	460	384	81	7	6	48	32	7	0	87	39	1.055
<i>LSD</i> ³	59	73		5	4	10	10	7	ns	8	13	0.006
<i>P Value</i>	0.0001	0.0001		0.0001	0.0001	0.0001	0.0001	0.0001	0.0942	0.0001	0.0001	0.0001

¹Marketable Yield: size classes A1 to A3.

²Size 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"

³Means separated within columns by the LSD means separation test.

Table 36. Plant growth and tuber characteristics of NE1014 potato selections.

Clone	Plant Growth Characteristics				Tuber Characteristics ¹					
	% Stand	Early Vigor	Vine Type	Vine Maturity	IFC	SC	ST	TS	ED	APP
Atlantic	97	5.0	9	7.0	1.7	6.3	5.0	2.3	5.7	6.3
AC Red Island	99	5.8	9-6	5.8	3.0	2.0	6.3	3.0	6.7	5.3
AC Sunbury	97	5.3	8	5.5	3.0	7.0	7.3	2.0	7.3	7.3
Aquilon	100	5.3	9-6	7.5	1.7	6.0	5.7	2.3	6.0	7.0
Chieftain	97	3.8	9	6.3	1.7	2.7	6.7	3.0	4.0	4.7
Dark Red Norland	99	5.3	5-6	3.5	2.0	2.0	6.7	2.7	5.0	7.0
Envol	99	4.8	6-9	5.0	2.0	7.3	6.0	3.0	6.0	6.3
Russet Burbank	95	2.0	8	9.0	1.0	5.0	2.3	5.0	6.0	4.3
Russet Norkotah 3117	96	2.5	8	7.0	1.3	4.3	2.0	5.7	6.0	4.3
Snowden	100	4.3	9	6.8	1.0	6.3	5.3	1.7	6.0	6.3
Yukon Gold	98	2.0	8	7.0	3.3	7.7	7.3	3.0	5.7	6.7
A9014-2	96	2.3	9	9.0	1.0	4.3	2.0	5.7	6.3	5.0
AF1753-16	99	4.8	9-6	8.3	1.3	6.3	4.7	6.7	7.3	5.7
AF1808-18	98	4.3	8	6.3	1.3	4.3	2.0	6.0	7.7	5.3
AF2115-1	98	4.0	6-9	7.8	1.3	8.0	8.0	3.0	6.7	5.7
AF2222-2	99	4.3	8	7.3	1.7	8.0	7.0	2.3	7.0	6.3

Table 36 (con't). Plant growth and tuber characteristics of NE1014 potato selections.

Clone	Plant Growth Characteristics				Tuber Characteristics ¹					
	% Stand	Early Vigor	Vine Type	Vine Maturity	IFC	SC	ST	TS	ED	APP
ATX84706-2Ru	100	3.3	9	6.5	1.3	6.0	4.7	4.3	6.7	5.7
B1758-3	98	4.3	8	6.0	1.3	2.3	7.3	3.0	5.0	6.7
NDTX731-1R	100	5.0	9	7.3	1.0	2.3	6.7	2.0	4.7	6.3
NY120	100	5.5	9-6	6.5	1.3	6.7	5.3	2.0	6.7	7.0
NY126	94	2.0	9	8.0	2.7	6.7	6.0	3.3	7.0	6.0
NY127	100	5.5	9-6	7.3	2.0	7.0	6.3	2.7	6.7	5.7
NY128	99	2.0	8	9.0	2.0	7.0	6.0	2.3	6.7	6.7
NY129	95	2.0	8	8.3	1.7	2.3	6.7	2.3	6.3	5.7

¹ - See rating system outlined Tables 1 and 2 (pages 8 and 9).

Table 37. External and internal tuber defects of NE1014 potato selections.

Clone	% External Tuber Defects					% Internal Defects ²			
	Growth Cracks	Mis- shapen	Sun- burned	Rotten & misc.	Total Culls ¹	HH	BR	CRS	IHN
Atlantic	0	1	1	0	2	14	0	0	1
AC Red Island	0	0	1	1	2	0	0	0	0
AC Sunbury	0	3	1	2	5	0	0	0	0
Aquilon	1	1	1	1	3	4	0	0	8
Chieftain	2	2	1	0	5	0	0	0	5
Dark Red Norland	0	1	0	1	2	0	0	0	0
Envol	0	1	0	1	2	1	0	0	0
Russet Burbank	2	26	0	0	28	1	0	0	0
Russet Norkotah 3117	0	12	0	2	14	3	0	0	1
Snowden	0	0	3	0	3	3	0	0	1
Yukon Gold	1	8	1	2	12	5	0	0	0
A9014-2	0	2	0	1	3	0	0	0	0
AF1753-16	1	23	2	1	27	4	0	0	0
AF1808-18	0	8	1	1	10	0	0	0	0
AF2115-1	0	2	2	2	5	0	0	0	5
AF2222-2	0	5	1	0	6	0	0	0	0

Table 37 (con't). External and internal tuber defects of NE1014 potato selections.

Clone	% External Tuber Defects					% Internal Defects ²			
	Growth Cracks	Mis-shapen	Sun-burned	Rotten & misc.	Total Culls ¹	HH	BR	CRS	IHN
ATX84706-2Ru	0	7	0	5	12	6	0	0	4
B1758-3	0	1	2	2	5	1	0	0	3
NDTX731-1R	0	0	0	1	2	3	0	0	0
NY120	0	1	1	0	2	6	0	0	0
NY126	0	2	1	0	3	1	0	0	0
NY127	1	0	3	0	4	0	0	0	0
NY128	0	1	1	0	2	0	0	0	0
NY129	1	2	1	1	5	0	0	0	3
<i>LSD</i> ³	1	4	1	1	5	6	ns	ns	ns
<i>P Value</i>	0.0044	0.0001	0.0003	0.0001	0.0001	0.0012	-	-	0.0508

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

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

³Means separated within columns by the LSD means separation test.

