

BARC Table 1. Yield, tuber size distribution, and quality characteristics of round whites harvested 130 days after planting on Aroostook State Farm in 2009.

Pedigree	Mkt cwt/A	%Mkt	Tuber Size Distribution					SG	HH <sup>1</sup>	Stand <sup>2</sup>
			< 1 7/8"	1 7/8-2 1/4"	2 1/4 - 3 1/4"	3 1/4 - 4"	>4"			
Atlantic	275	91	9.4	41.4	43.3	5.9	0.0	95	5	80
B1992-106	212	89	11.1	54.7	33.7	0.5	0.0	85	0	80
B2452-3	263	94	6.0	32.0	52.6	9.4	0.0	77	0	80
B2459-13	201	87	13.4	55.0	31.7	0.0	0.0	98	5	80
B2471-12	232	84	16.0	54.0	30.0	0.0	0.0	88	0	80
B2489-6	173	76	24.0	49.5	26.5	0.0	0.0	93	0	80
B2492-7	162	82	17.8	58.1	24.1	0.0	0.0	68	0	80
B2575-14	326	93	7.4	51.4	41.1	0.0	0.0	75	1	80
B2575-19	283	90	9.9	58.7	31.4	0.0	0.0	78	2	79
B2628-10	270	94	6.0	35.7	54.8	3.5	0.0	93	7	80
B2628-4	270	93	6.0	44.2	45.0	3.6	1.2	76	0	79
B2704-2	92	63	37.3	58.0	4.8	0.0	0.0	83	0	75
BNC177-5	246	87	13.1	39.7	35.0	12.1	0.0	87	10	80
BNC182-5	192	68	31.7	63.2	5.1	0.0	0.0	83	0	80
Harley Blackwell	305	89	11.3	39.2	48.1	1.5	0.0	95	4	80
Ivory Crisp	169	80	19.6	57.6	22.7	0.0	0.0	89	0	80
Snowden	132	64	35.7	54.5	9.8	0.0	0.0	93	0	80
Superior	276	97	2.9	27.3	57.0	12.8	0.0	81	3	80
LSD (0.05)	63							06		

<sup>1</sup> Number of tubers out of 40 with hollow heart.

<sup>2</sup> Stand count on June 25, 2009. Number of plants out of 80.

BARC Table 1. Continued.

Temperature Date Pedigree	50F		45F		40F		40-70F		50F		45F		40F		40-70F	
	1/7		1/8		1/12		1/28		2/2		2/3		2/4		2/16	
	Chip <sup>3</sup>	Spt <sup>4</sup>	Chip	Spt	Chip	Spt	Chip	Spt	Chip	Spt	Chip	Spt	Chip	Spt	Chip	Spt
Atlantic	5.9	0	6.6	0	8.7	0	8.2	S	5.9	M	7.0	L	9.3	0	7.1	M
B1992-106	7.4	S	7.8	M	9.5	0	8.5	S	6.8	L	7.3	L	9.3	0	7.2	M
B2452-3	7.9	0	8.1	0	9.2	0	9.5	S	7.1	S	7.6	M	9.8	0	8.5	S
B2459-13	7.3	S	7.1	0	8.9	0	9.3	S	7.0	S	7.7	M	9.5	0	7.8	M
B2471-12	7.9	M	7.8	L	9.3	0	9.6	S	7.3	VL	8.0	VL	9.7	0	8.4	M
B2489-6	7.3	0	6.4	S	8.9	0	7.8	M	6.4	M	7.3	L	8.8	0	7.2	M
B2492-7	5.9	0	6.6	0	7.2	0	8.7	S	5.2	S	6.1	M	8.1	0	7.3	M
B2575-14	7.6	0	7.8	0	10.0	0	10.0	S	8.0	M	8.5	M	10.0	0	9.8	S
B2575-19	7.8	0	7.8	0	9.6	0	10.0	S	7.5	S	7.6	S	10.0	0	10.0	S
B2628-10	6.8	0	7.2	0	8.7	0	9.5	S	7.3	S	8.3	S	9.7	0	8.7	S
B2628-4	6.5	0	7.7	0	9.5	0	9.7	S	7.2	S	7.9	M	9.4	0	9.2	M
B2704-2	6.7	0	7.9	0	9.6	0	9.0	S	7.4	S	7.9	M	10.0	0	8.6	S
BNC177-5	5.8	M	5.8	M	7.7	0	7.9	S	6.1	VL	6.3	VL	8.5	0	6.8	M
BNC182-5	7.3	S	7.5	M	9.6	0	9.3	S	6.9	VL	7.8	VL	10.0	0	7.8	M
Harley Blackwell	7.3	S	7.9	M	9.2	0	9.5	S	6.6	L	7.3	VL	8.8	0	8.5	M
Ivory Crisp	5.9	0	6.2	S	8.0	0	8.2	S	5.5	M	5.9	L	8.5	0	6.7	S
Snowden	5.7	0	5.8	0	8.7	0	6.3	S	5.9	M	6.3	M	9.0	0	6.3	M
Superior	7.0	S	7.5	S	9.4	0	9.0	S	7.4	M	7.6	L	9.9	0	8.7	S

<sup>3</sup> Chips 1-7 satisfactory. <sup>4</sup> 0 = no sprouts; S < 0.5"; 0.5 ≤ M < 1.5"; 1.5" ≤ L < 2.5"; VL ≥ 2.5".