

BARC Table 1. Yield, tuber size distribution, and quality characteristics of round whites harvested 158 days after planting on Aroostook State Farm in 2010.

Pedigree	Mkt cwt/A	%Mkt	Tuber Size Distribution					SG	HH ¹	Stand ²
			< 1 7/8"	1 7/8-2 1/4"	2 1/4 - 3 1/4"	3 1/4 - 4"	>4"			
Atlantic	310	95	4.5	33.0	57.6	4.9	0.0	100	2	80
B1992-106	289	78	21.6	46.9	28.9	2.6	0.0	98	0	80
B2628-10	317	89	11.4	42.0	45.2	1.4	0.0	94	11	80
B2727-2	252	86	14.5	55.7	29.2	0.6	0.0	95	0	76
B2729-1	281	96	2.9	28.3	50.8	16.9	1.1	84	0	58
B2731-11	239	94	6.3	41.5	44.3	8.0	0.0	94	2	79
B2735-2	188	81	19.3	58.2	22.6	0.0	0.0	92	2	76
B2738-3	340	92	8.1	31.3	54.4	6.1	0.0	79	0	79
B2781-3	304	82	18.3	41.9	37.8	2.0	0.0	89	0	80
BNC177-5	291	85	15.4	50.4	33.1	1.1	0.0	91	0	80
BNC182-5	247	83	16.8	45.1	35.2	2.9	0.0	92	1	80
BNC202-3	346	93	6.5	30.6	55.7	6.3	0.0	96	0	80
BNC202-7	335	91	9.1	44.4	43.3	3.2	0.0	95	1	80
Harley Blackwell	252	91	8.9	38.8	49.3	3.0	0.0	90	0	73
Pike	165	88	11.8	41.6	46.0	0.6	0.0	84	0	69
Snowden	282	85	15.0	44.1	38.6	2.3	0.0	93	1	73
Superior	307	93	7.0	37.4	48.8	6.8	0.0	80	0	80
LSD (0.05)	72							06		

¹ Number of tubers out of 40 with hollow heart.

² Stand count on June 21, 2010. Number of plants out of 80.

BARC Table 1. Continued.

Temperature Date Pedigree	50F 1/12		45F 1/14		40F 1/11		40-70F 1/24		50F 2/1		45F 2/2		40F 2/3		40-70F 2/4	
	Chip ³	Spt ³	Chip	Spt	Chip	Spt	Chip	Spt	Chip	Spt	Chip	Spt	Chip	Spt	Chip	Spt
Atlantic	6.4	M	7.3	S	8.8	0	6.8	S	6.8	L	8.0	M	8.9	0	6.7	M
B1992-106	6.7	M	7.8	M	9.0	S	7.3	M	6.6	L	7.8	M	9.4	S	7.6	S
B2628-10	7.7	S	7.9	0	9.6	S	8.7	0	7.8	S	8.2	S	9.7	S	8.6	S
B2727-2	6.2	L	5.6	S	6.6	0	5.0	M	5.3	L	6.2	S	7.0	0	6.0	S
B2729-1	6.9	S	8.1	S	9.6	0	8.4	S	7.4	S	8.0	0	9.9	0	7.9	S
B2731-11	5.9	L	5.7	S	7.7	S	5.8	S	5.8	VL	6.9	M	7.3	S	6.3	S
B2735-2	6.5	M	6.8	S	9.1	0	7.8	S	6.0	M	7.6	S	9.2	S	8.0	S
B2738-3	7.1	VL	7.7	VL	9.5	S	8.4	M	8.0	VL	7.9	VL	9.3	S	8.0	M
B2781-3	7.1	M	7.8	M	8.9	S	8.1	S	7.5	L	8.0	M	9.3	S	8.1	S
BNC177-5	6.6	L	6.8	L	7.6	S	6.7	L	6.6	L	7.3	L	8.0	S	7.1	M
BNC182-5	7.3	VL	8.1	L	9.9	0	8.2	M	7.9	VL	8.3	M	10.0	S	7.9	M
BNC202-3	6.6	M	7.4	S	8.9	S	7.6	S	7.1	M	8.1	M	9.1	0	7.8	S
BNC202-7	7.4	VL	8.3	L	9.2	S	8.1	M	8.0	L	8.0	L	9.9	S	8.7	S
H Blackwell	7.0	L	7.9	M	9.8	S	7.9	M	8.0	VL	8.1	L	10.0	S	8.4	M
Pike	6.7	S	7.4	S	9.5	0	7.3	M	6.3	S	7.9	S	9.7	0	8.3	S
Snowden	5.8	L	6.7	S	7.8	S	5.7	S	5.5	L	6.4	M	8.3	S	5.5	S
Superior	7.5	M	8.1	S	9.9	0	8.4	S	8.2	L	9.0	M	10.0	S	8.3	M

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