

BARC Table 1. Yield, tuber size distribution, and quality characteristics of round whites on Aroostook State Farm in 2013. Trial was planted on May 15, vine-killed on August 21, and harvested on October 23 (after the government re-opened).

Pedigree	Mkt cwt/A	%Mkt	Tuber Size Distribution					SG ¹	HH ²	Stand ³
			< 1 7/8"	1 7/8-2 1/4"	2 1/4 - 3 1/4"	3 1/4 - 4"	>4"			
Atlantic	379	90	9.7	50.0	36.8	3.5	0.0	94	3	40
Elkton	356	90	10.2	44.9	42.6	2.3	0.0	90	3	40
B2738-3	389	94	6.2	34.0	54.7	5.1	0.0	76	0	40
B2814-14	416	93	6.8	32.3	57.5	3.4	0.0	77	0	40
B2832-12	380	92	8.3	34.4	51.9	5.4	0.0	93	5	40
B2833-8	238	79	20.8	61.1	18.1	0.0	0.0	87	0	40
B2834-8	315	94	6.0	34.5	58.0	1.5	0.0	84	5	40
B2869-28	312	87	12.7	52.7	34.6	0.0	0.0	89	0	40
B2869-29	294	78	21.7	67.1	11.2	0.0	0.0	93	0	40
B2876-7	309	89	11.0	57.4	31.6	0.0	0.0	86	0	40
B2890-11	327	89	10.7	46.1	41.2	2.0	0.0	70	1	40
B2893-2	294	71	29.4	58.0	12.7	0.0	0.0	88	0	40
B2895-2	259	81	19.5	54.2	26.3	0.0	0.0	84	0	40
B2904-2	316	91	8.8	36.6	54.6	0.0	0.0	102	8	40
B2951-7	327	87	12.6	46.3	41.1	0.0	0.0	92	6	40
B2952-13	289	77	23.2	59.3	17.5	0.0	0.0	88	4	40
B2952-6	338	79	21.5	59.4	19.1	0.0	0.0	82	0	40
B2952-7	342	84	16.4	57.1	26.5	0.0	0.0	77	0	40
B2954-10	404	91	9.4	45.3	44.1	1.2	0.0	84	1	40
B2954-11	363	88	11.6	38.1	47.0	3.3	0.0	85	0	40
B2954-20	361	86	13.7	49.5	36.7	0.0	0.0	79	2	40
B2968-3	332	93	7.4	38.7	53.8	0.0	0.0	85	0	40
BNC182-5	390	94	5.7	40.9	50.2	3.2	0.0	87	5	40
BNC233-3	299	88	12.3	46.6	41.1	0.0	0.0	80	0	40
BNC266-6	389	89	10.7	43.6	44.1	1.7	0.0	91	1	40

BARC Table 1. Continued.

Pedigree	Mkt cwt/A	%Mkt	Tuber Size Distribution					SG ¹	HH ²	Stand ³
			< 1 7/8"	1 7/8-2 1/4"	2 1/4 - 3 1/4"	3 1/4 - 4"	>4"			
BNC318-6	315	85	14.6	42.8	42.6	0.0	0.0	80	6	40
BNC318-7	333	91	9.3	39.5	51.1	0.0	0.0	80	0	40
BNC318-9	321	91	8.9	49.4	40.7	1.0	0.0	84	5	40
Harley Blackwell	363	87	13.3	40.7	42.7	3.4	0.0	84	0	40
Snowden	261	83	17.1	56.0	26.0	0.9	0.0	88	2	40
Superior	342	92	8.5	33.9	52.4	5.2	0.0	79	0	40
LSD (0.05)	70							06		

¹ 1.0 omitted

² Number of tubers out of 40 with hollow heart.

³ Stand count on June 9, 2013. Number of plants out of 40.

BARC Table 1. Continued.

Temperature Date Pedigree	50F		45F		40F		40-70F	
	1/16 Chip ⁴	Spt ⁴	1/16 Chip	Spt	2/3 Chip	Spt	2/3 Chip	Spt
Atlantic	7.5	VL	7.9	S	9.9	0	6.4	M
B2738-3	7.7	VL	8.2	L	9.8	S	8.7	M
B2814-14	8.5	VL	9.3	L	10.0	S	9.7	M
B2832-12	8.4	M	8.3	S	10.0	0	9.4	S
B2833-8	7.0	VL	7.6	M	9.4	S	7.1	M
B2834-8	7.3	M	8.0	0	9.3	0	7.6	S
B2869-28	7.3	VL	7.9	L	10.0	0	8.2	M
B2869-29	7.7	VL	8.1	VL	9.8	S	8.1	M
B2876-7	7.9	L	8.6	S	10.0	0	9.4	S
B2890-11	9.3	L	10.0	S	10.0	0	9.2	S
B2893-2	7.8	VL	8.5	M	9.9	0	9.0	M
B2895-2	7.1	M	7.5	S	9.9	0	8.1	S
B2904-2	6.4	VL	7.1	M	9.7	0	7.7	M
B2951-7	7.6	VL	8.0	M	9.7	0	8.3	M
B2952-13	9.5	M	9.09	S	10.0	S	9.9	S
B2952-6	9.0	VL	9.8	L	10.0	S	9.7	S
B2952-7	9.3	VL	9.8	M	10.0	S	10.0	M
B2954-10	8.5	L	8.7	S	9.8	0	9.2	M
B2954-11	7.7	VL	8.1	S	9.9	0	8.6	M
B2954-20	7.3	VL	7.7	M	9.9	S	8.3	M
B2968-3	8.4	VL	8.6	M	10.0	S	8.6	M
BNC182-5	8.0	VL	8.3	M	9.9	S	7.9	L
BNC233-3	6.7	VL	8.0	M	10.0	0	8.5	M
BNC318-6	6.3	M	6.9	S	8.7	S	7.2	S

BARC Table 1. Continued.

Temperature Date Pedigree	50F 1/16		45F 1/16		40F 2/3		40-70F 2/3	
	Chip ⁴	Spt ⁴	Chip	Spt	Chip	Spt	Chip	Spt
BNC318-7	8.6	S	8.7	0	10.0	0	8.6	S
BNC318-9	6.9	S	7.1	0	9.3	0	7.1	S
Elkton	7.3	L	8.6	M	10.0	S	7.7	M
Harley								
Blackwell	8.0	VL	8.0	S	9.9	S	8.7	M
Snowden	6.0	L	6.3	S	9.5	0	6.1	S
Superior	7.7	VL	9.0	S	9.9	0	8.5	M

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