

BARC Table 1. Yield, tuber size distribution, and quality characteristics of round white potatoes harvested 125 days after planting on Aroostook State Farm in 2007.

Pedigree	Mkt cwt/A	%Mkt	Tuber Size Distribution					SG	HH ¹
			< 1 7/8"	1 7/8-2 1/4"	2 1/4 - 3 1/4"	3 1/4 - 4"	>4"		
Atlantic	216	80	20.1	64.8	15.1	0.0	0.0	1.091	1
B0766-3	215	91	9.3	40.8	47.1	2.8	0.0	1.084	0
B1992-106	213	91	8.5	34.1	55.2	2.2	0.0	1.085	0
B2130-136	166	79	20.6	57.2	21.3	0.9	0.0	1.082	1
B2133-46	220	92	8.3	30.3	56.4	5.0	0.0	1.078	0
B2133-81	187	89	11.5	58.9	29.7	0.0	0.0	1.088	0
B2414-125	105	56	43.8	51.4	4.8	0.0	0.0	1.090	0
B2440-124	253	89	11.4	66.0	22.6	0.0	0.0	1.079	0
B2445-6	324	95	5.2	30.7	59.8	4.2	0.0	1.081	0
B2448-2	144	59	41.1	53.4	5.5	0.0	0.0	1.083	0
B2452-3	244	92	6.9	26.6	53.4	11.8	1.3	1.075	0
B2453-9	222	86	13.6	54.5	31.9	0.0	0.0	1.083	0
B2459-13	130	67	32.7	58.9	8.4	0.0	0.0	1.097	0
B2459-6	249	89	10.8	59.2	30.0	0.0	0.0	1.090	1
B2460-23	236	91	9.2	32.7	53.6	4.6	0.0	1.090	0
B2460-3	167	82	18.1	54.2	26.9	0.7	0.0	1.092	3
B2461-12	102	55	45.1	51.7	3.3	0.0	0.0	1.083	0
B2461-15	188	92	7.6	47.8	43.3	1.3	0.0	1.085	0
B2463-16	242	79	21.3	60.7	18.0	0.0	0.0	1.085	0
B2463-17	182	80	20.0	71.5	8.5	0.0	0.0	1.085	0
B2464-1	109	60	39.7	50.9	9.4	0.0	0.0	1.095	0
B2464-14	146	62	37.7	59.6	2.7	0.0	0.0	1.098	0
B2467-21	263	86	13.7	51.0	34.3	1.0	0.0	1.100	0
B2470-18	187	68	32.0	55.6	12.4	0.0	0.0	1.093	0
B2471-12	125	63	37.4	56.1	6.6	0.0	0.0	1.093	0

BARC Table 1. Continued.

Pedigree	Mkt cwt/A	%Mkt	Tuber Size Distribution					SG	HH ¹
			< 1 7/8"	1 7/8-2 1/4"	2 1/4 - 3 1/4"	3 1/4 - 4"	>4"		
B2485-2	231	80	20.4	50.3	29.4	0.0	0.0	1.085	0
B2486-4	167	83	16.9	54.0	29.1	0.0	0.0	1.085	0
B2489-3	216	82	18.2	57.1	24.6	0.0	0.0	1.086	1
B2489-6	217	73	27.4	58.8	13.8	0.0	0.0	1.085	0
B2491-19	175	77	23.0	65.5	11.5	0.0	0.0	1.083	0
B2492-7	226	87	13.0	47.9	38.1	0.9	0.0	1.067	0
B2494-10	257	91	9.3	54.6	36.1	0.0	0.0	1.084	0
B2494-21	270	91	9.1	43.8	46.6	0.6	0.0	1.077	0
B2500-1	168	68	32.3	61.2	6.5	0.0	0.0	1.091	0
B2500-3	229	82	17.8	57.6	24.7	0.0	0.0	1.086	0
B2500-5	147	76	24.2	58.3	17.6	0.0	0.0	1.077	0
B2501-10	238	89	10.6	35.2	53.0	1.2	0.0	1.071	0
B2501-8	189	81	19.3	63.6	17.2	0.0	0.0	1.074	0
B2502-3	192	86	14.1	65.5	20.4	0.0	0.0	1.089	0
B2506-12	156	77	23.2	62.3	14.5	0.0	0.0	1.083	0
BNC41-13	174	71	29.4	60.5	10.1	0.0	0.0	1.091	0
BNC41-9	203	77	23.0	63.1	14.0	0.0	0.0	1.088	0
BNC48-1	217	82	18.1	62.1	19.8	0.0	0.0	1.092	0
BNC49-1	274	91	8.9	30.1	54.8	6.2	0.0	1.084	2
BNC49-2	214	94	6.2	35.3	57.7	0.9	0.0	1.086	0
BP153-1	250	92	4.5	19.1	51.5	21.2	3.7	1.071	0
Harley Blackwell	193	80	19.7	62.2	18.1	0.0	0.0	1.088	2
Snowden	115	57	43.2	53.8	3.0	0.0	0.0	1.092	0
LSD (0.05)	66							0.005	

BARC Table 1. Continued.

Temperature Date Pedigree	50F		45F		40F		40-70F		50F		45F		40F		40-70F	
	1/7 Chip ²	Spt ³	1/11,14 Chip	Spt	1/14,15 Chip	Spt	1/8,9 Chip	Spt	2/7 Chip	Spt	2/8 Chip	Spt	2/11 Chip	Spt	2/6 Chip	Spt
Atlantic	6.3	S	6.3	S	10.0	0	7.1	S	6.0	L	6.0	L	9.9	0	6.8	M
B0766-3	6.8	S	6.3	S	9.1	0	6.4	S	6.5	VL	6.1	L	9.2	0	6.8	L
B1992-106	7.0	S	6.5	M	9.9	0	7.3	S	6.6	VL	6.5	M	9.8	0	7.1	M
B2130-136	7.5	L	7.2	L	9.7	0	7.8	S	7.3	VL	6.9	L	9.9	0	7.7	M
B2133-46	7.1	M	7.7	S	10.0	0	8.5	S	7.4	VL	8.0	VL	10.0	0	7.8	M
B2133-81	7.0	S	7.1	M	9.7	0	8.7	S	6.9	VL	7.1	M	9.9	0	7.6	S
B2414-125	8.0	S	8.0	M	10.0	0	8.6	0	7.8	M	8.0	M	10.0	0	8.4	S
B2440-124	8.9	M	9.0	M	10.0	0	9.5	S	8.5	VL	9.3	M	10.0	0	9.1	S
B2445-6	7.8	L	8.5	L	10.0	0	9.8	S	7.8	VL	8.3	VL	10.0	0	9.2	M
B2448-2	7.6	S	8.2	S	10.0	0	9.4	S	7.6	VL	8.3	L	10.0	0	8.4	S
B2452-3	7.5	S	8.1	S	10.0	0	8.9	S	7.4	M	7.5	S	10.0	0	7.8	M
B2453-9	7.3	S	7.5	S	9.8	0	9.0	S	6.8	M	8.0	M	10.0	0	8.2	S
B2459-13	6.8	S	6.8	S	10.0	0	7.3	S	6.3	VL	6.5	L	10.0	0	6.9	L
B2459-6	7.8	M	8.0	S	10.0	0	7.7	M	7.3	VL	7.6	L	10.0	0	7.7	L
B2460-23	7.1	M	7.7	M	10.0	0	7.0	M	7.4	VL	8.1	VL	10.0	0	7.6	L
B2460-3	6.8	M	6.7	S	9.7	0	7.2	S	6.6	VL	7.6	L	10.0	0	6.8	M
B2461-12	7.4	L	6.9	M	10.0	0	7.8	S	6.4	VL	7.0	L	10.0	0	7.6	VL
B2461-15	6.8	S	7.3	0	10.0	0	7.5	S	6.8	S	6.9	0	10.0	0	6.8	S
B2463-16	6.5	M	6.8	S	9.6	0	7.7	S	6.2	L	6.8	M	10.0	0	7.7	S
B2463-17	7.0	VL	8.0	VL	10.0	0	8.0	S	7.0	VL	7.0	VL	10.0	0	7.8	M
B2464-1	7.2	VL	7.6	VL	9.6	0	7.6	M	7.3	VL	8.0	VL	9.6	0	8.2	L
B2464-14	6.5	VL	7.0	VL	10.0	0	8.2	S	7.3	VL	7.5	VL	10.0	0	7.7	M
B2467-21	6.3	VL	6.6	VL	9.4	0	6.9	S	6.8	VL	7.1	VL	9.3	0	6.9	L
B2470-18	7.4	VL	7.4	L	10.0	0	7.8	S	7.1	VL	7.4	VL	9.9	0	7.9	M
B2471-12	6.9	VL	7.5	L	10.0	0	9.0	M	6.7	VL	7.3	L	10.0	0	7.8	VL

BARC Table 1. Continued.

Temperature Date Pedigree	50F		45F		40F		40-70F		50F		45F		40F		40-70F	
	1/7 Chip ²	Spt ³	1/11,14 Chip	Spt	1/14,15 Chip	Spt	1/8,9 Chip	Spt	2/7 Chip	Spt	2/8 Chip	Spt	2/11 Chip	Spt	2/6 Chip	Spt
B2485-2	6.8	S	6.9	S	9.7	0	7.9	S	6.3	VL	6.7	L	10.0	0	7.8	M
B2486-4	6.5	S	7.0	S	9.8	0	7.8	S	6.6	VL	7.0	M	10.0	0	7.4	S
B2489-3	6.5	S	6.5	S	10.0	0	7.4	S	6.5	VL	6.8	L	10.0	0	7.1	L
B2489-6	7.3	S	7.5	S	9.6	0	7.4	S	7.0	VL	7.2	VL	9.5	0	7.2	L
B2491-19	6.6	L	6.9	M	9.1	0	7.4	S	6.9	VL	7.8	L	9.1	0	7.2	M
B2492-7	7.0	S	6.4	S	9.3	0	7.3	S	6.3	S	6.6	M	9.3	0	6.9	M
B2494-10	7.4	M	8.0	M	10.0	0	8.4	S	7.5	VL	7.9	VL	10.0	0	8.1	L
B2494-21	8.5	S	8.9	S	10.0	0	8.9	S	8.5	M	9.0	M	10.0	0	8.1	S
B2500-1	7.5	S	7.3	S	10.0	0	7.8	S	7.0	M	7.5	M	9.9	0	7.6	M
B2500-3	6.8	M	6.7	M	10.0	0	8.4	S	6.8	VL	6.9	L	9.9	0	7.7	S
B2500-5	7.1	S	7.5	M	9.0	0	8.1	S	6.6	VL	7.1	L	9.5	0	7.6	M
B2501-10	7.3	VL	7.8	L	10.0	0	8.3	S	7.2	VL	7.5	VL	10.0	0	7.6	M
B2501-8	7.1	L	7.3	L	9.9	0	7.8	S	6.8	VL	6.8	VL	9.7	0	7.5	S
B2502-3	6.1	S	6.0	S	9.2	0	7.2	S	6.5	VL	6.0	VL	9.2	0	6.5	M
B2506-12	7.8	S	7.8	S	10.0	0	8.6	S	7.0	VL	8.1	L	9.8	0	8.4	M
BNC41-13	6.3	S	6.3	S	9.4	0	7.7	S	6.3	L	6.3	L	9.4	0	6.6	M
BNC41-9	6.5	M	6.6	S	10.0	0	8.7	S	6.6	VL	7.0	L	10.0	0	7.3	M
BNC48-1	7.0	M	7.5	L	9.8	0	8.0	S	6.5	VL	7.1	VL	9.5	0	7.5	L
BNC49-1	6.5	S	6.7	S	9.9	0	7.2	S	6.9	L	7.3	L	10.0	0	7.0	M
BNC49-2	6.0	S	6.0	S	9.7	0	7.1	S	6.4	M	6.4	L	9.8	0	6.9	S
BP153-1	7.7	S	7.6	0	10.0	0	9.2	0	7.1	M	7.7	S	10.0	0	8.5	S
H Blackwell	6.5	S	6.8	S	9.6	0	8.5	S	6.5	VL	6.6	L	9.6	0	7.3	M
Snowden	6.5	S	6.3	S	10.0	0	6.5	S	6.4	VL	6.4	VL	9.5	0	6.5	M

¹ Total number of tubers with hollow heart (HH), brown center (BC), or internal defects (INT) out of 40. ² Chips 1-7 satisfactory. ³ 0 = no sprouts; S ≤0.5"; 0.5<M≤1.5"; 1.5"<L≤2.5"; VL>2.5".