

BARC Table 2. Yield, tuber size distribution, and quality characteristics of specialty market types harvested 128 days after planting on Aroostook State Farm in 2009.

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"			
B2152-17	150	76	24.3	44.7	29.0	2.0	0	68	0	79
B2538-5	177	90	10.3	34.3	52.3	3.1	0	72	1	80
B2676-2	147	70	29.6	48.5	21.8	0.0	0	74	0	80
BCO01044-2	85	83	16.7	58.1	21.7	3.6	0	73	0	77
BCO01306-2	114	61	38.6	49.2	12.1	0.0	0	74	0	80
BNC193-1	136	61	39.0	42.9	18.1	0.0	0	77	0	80
Dk Red Norland	165	75	24.8	48.0	27.3	0.0	0	67	3	80
Peter Wilcox	115	84	15.7	64.1	20.1	0.0	0	88	1	80
Red Pontiac	173	79	20.5	53.7	25.7	0.0	0	68	2	79
Yukon Gold	184	81	19.0	57.0	24.0	0.0	0	84	2	80
LSD (0.05)	83							08		

¹ Number of tubers out of 40 with hollow heart.

² Stand count on June 25, 2009. Number of plants out of 80.

BARC Table 2. Continued.

Temperature Date Pedigree (Comments)	50F		45F		40F		40-70F		50F		45F		40F		40-70F	
	1/7 Chip ³	Spt ⁴	1/8 Chip	Spt	1/12 Chip	Spt	1/28 Chip	Spt	2/2 Chip	Spt	2/3 Chip	Spt	2/4 Chip	Spt	2/16 Chip	Spt
B2152-17 (red skin, yellow flesh)	7.7	0	7.4	0	8.9	0	10.0	S	8.3	S	8.3	M	9.6	0	9.5	S
B2538-5 (purple skin)	7.4	0	7.3	0	9.1	0	9.0	S	6.5	S	7.4	S	10.0	0	8.5	S
B2676-2 (red skin)	7.5	S	6.3	S	8.6	0	8.8	S	6.2	S	7.3	S	8.9	0	7.4	S
BCSO01044-2 (purple skin, purple flesh)	8.5	0	8.3	0	10.0	0	10.0	S	9.0	S	9.0	S	10.0	0	--	-
BCO01306-2 (purple skin, pink flesh)	9.3	0	8.8	0	10.0	0	10.0	S	9.5	S	9.3	M	10.0	0	9.6	S
BNC193-1 (purple skin)	6.3	S	6.4	0	8.4	0	9.2	S	6.0	S	6.7	0	9.1	0	8.0	S
Dk Rd Norland (red skin)	7.9	S	7.8	M	9.5	0	9.3	S	8.1	L	8.4	VL	9.9	0	9.1	S
Peter Wilcox (purple skin, yellow flesh)	5.9	0	6.0	0	7.6	0	8.2	S	6.2	0	6.5	0	8.2	0	7.9	S
Red Pontiac (red skin)	9.0	0	9.4	S	10.0	0	10.0	S	9.7	S	9.9	M	9.8	0	9.9	S
Yukon Gold (yellow flesh)	5.8	0	6.1	0	8.3	0	8.2	S	5.8	S	6.0	S	8.9	0	6.6	S

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".