

BARC Table 3. Yield, tuber size distribution, and quality characteristics of specialty market potatoes harvested 125 days after planting on Aroostook State Farm in 2008.

| 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" | | |
| B2152-17 | 216 | 59 | 40.7 | 54.2 | 5.2 | 0.0 | 0 | 1.067 | 0 |
| B2527-5 | 75 | 44 | 56.2 | 40.7 | 3.1 | 0.0 | 0 | 1.077 | 0 |
| B2538-5 | 302 | 94 | 5.7 | 46.1 | 47.4 | 7.6 | 0 | 1.067 | 0 |
| B2676-2 | 206 | 72 | 27.9 | 55.0 | 16.2 | 0.8 | 0 | 1.075 | 1 |
| B2678-4 | 195 | 73 | 27.4 | 58.9 | 13.7 | 0.0 | 0 | 1.069 | 0 |
| BCO01044-2 | 248 | 84 | 16.0 | 49.0 | 35.0 | 0.0 | 0 | 1.063 | 0 |
| BCO01283-2 | 124 | 57 | 43.1 | 54.9 | 2.0 | 0.0 | 0 | 1.073 | 0 |
| BCO01306-2 | 147 | 62 | 37.7 | 52.5 | 9.8 | 0.0 | 0 | 1.075 | 2 |
| BCO01306-3 | 36 | 22 | 77.9 | 22.1 | 0.0 | 0.0 | 0 | 1.070 | 0 |
| BCO01357-4 | 261 | 89 | 10.8 | 59.6 | 29.6 | 0.0 | 0 | 1.072 | 0 |
| BCO01371-2 | 76 | 52 | 48.1 | 44.5 | 7.4 | 0.0 | 0 | 1.051 | 0 |
| BNC192-1 | 256 | 86 | 13.6 | 52.0 | 34.0 | 0.4 | 0 | 1.069 | 1 |
| BNC192-3 | 153 | 58 | 41.9 | 53.2 | 4.9 | 0.0 | 0 | 1.070 | 0 |
| BNC193-1 | 274 | 82 | 17.6 | 69.5 | 12.9 | 0.0 | 0 | 1.071 | 0 |
| Dk Red Norland | 376 | 91 | 9.3 | 55.6 | 35.1 | 0.0 | 0 | 1.069 | 0 |
| Peter Wilcox | 213 | 86 | 13.8 | 65.2 | 21.0 | 0.0 | 0 | 1.078 | 0 |
| Red Pontiac | 415 | 92 | 7.6 | 39.2 | 51.8 | 1.5 | 0 | 1.067 | 1 |
| Yukon Gold | 299 | 96 | 4.3 | 24.5 | 60.8 | 10.4 | 0 | 1.081 | 3 |
| LSD (0.05) | 57 | | | | | | | 0.004 | |

¹ Number of tubers out of 40 with hollow heart.

BARC Table 3. Continued.

| Temperature Date Pedigree | 50F | | 45F | | 50F | | 45F | | Comments |
|---------------------------------|-------------------|------------------|------|-----|------|-----|------|-----|------------------------------|
| | Chip ² | Spt ³ | Chip | Spt | Chip | Spt | Chip | Spt | |
| B2152-17 | 7.5 | 0 | 7.5 | S | 8.2 | L | 8.0 | M | red skin, yellow flesh |
| B2527-5 | 6.2 | L | 6.8 | L | 8.0 | VL | 7.7 | VL | light red skin, yellow flesh |
| B2538-5 | 6.6 | 0 | 7.8 | 0 | 7.9 | M | 8.5 | S | purple skin |
| B2676-2 | 6.5 | M | 7.2 | M | 8.0 | L | 8.0 | L | red skin |
| B2678-4 | 7.1 | S | 7.7 | S | 8.0 | M | 8.0 | S | red and tan skin |
| BCO01044-2 | 9.3 | 0 | 10.0 | S | 10.0 | M | 10.0 | S | purple skin, purple flesh |
| BCO01283-2 | 5.9 | L | 7.8 | M | 8.1 | VL | 8.5 | VL | red skin |
| BCO01306-2 | 9.3 | S | 10.0 | S | 10.0 | VL | 10.0 | M | purple skin, pink flesh |
| BCO01306-3 | 9.8 | 0 | 10.0 | 0 | 10.0 | S | 10.0 | 0 | purple skin, red flesh |
| BCO01357-4 | 9.0 | 0 | 9.8 | 0 | 9.8 | S | 10.0 | S | red skin, pink flesh |
| BCO01371-2 | 9.0 | M | 9.4 | M | 9.9 | VL | 9.5 | VL | red skin |
| BNC192-1 | 8.0 | S | 8.4 | S | 8.8 | VL | 9.5 | L | red skin |
| BNC192-3 | 8.1 | VL | 8.9 | L | 9.4 | VL | 9.5 | VL | purple skin |
| BNC193-1 | 6.0 | S | 7.2 | S | 7.8 | M | 8.1 | M | purple skin |
| Dk Rd Norland | 7.4 | M | 7.7 | S | 8.3 | VL | 8.4 | VL | red flesh |
| Peter Wilcox | 5.8 | 0 | 6.0 | 0 | 7.0 | S | 7.0 | S | purple skin, yellow flesh |
| Red Pontiac | 9.0 | 0 | 9.8 | S | 9.3 | L | 9.8 | L | red skin |
| Yukon Gold | 8.1 | 0 | 8.4 | 0 | 9.0 | S | 9.3 | 0 | yellow flesh |

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".