

Cranberry Germplasm Trials – WSU Long Beach 2006 (plots planted summer 2003)

Table 1. Fruit size, yield and percent rot at harvest cranberry variety trials – Long Beach, Washington

| Variety                     | Fruit Size (g/fruit) |          | Bbl/acre |         | % rot at harvest |        |
|-----------------------------|----------------------|----------|----------|---------|------------------|--------|
|                             | 2005                 | 2006     | 2005     | 2006    | 2005             | 2006   |
| NJS98-23 'Crimson Queen'    | 2.03 abc             | 1.87 abc | 77 c     | 126 ab  | 6.43 a           | 1.94 a |
| NJS95-37                    | 1.44 bcd             | 1.48 d   | 85 c     | 189 A   | 2.49 a           | 0.48 a |
| CNJ97-105-4 'Mullica Queen' | 2.03 abc             | 2.09 a   | 23 c     | 74 bc   | 1.50 a           | 2.82 a |
| CNJ96-44-83                 | 1.89 abc             | 1.78 bcd | 54 c     | 149 abc | 4.70 a           | 1.65 a |
| CNJ95-20-20                 | 1.57 a-d             | 1.44 f   | 32 c     | 181 ab  | 2.98 a           | 1.22 a |
| CNJ93-9-42                  | 1.62 a-d             | 1.53 ef  | 61 c     | 187 ab  | 4.13 a           | 1.17 a |
| CNJ93-13-100                | 1.40 cd              | 1.52 ef  | 46 c     | 136 abc | 1.21 a           | 1.18 a |
| BE4                         | 1.20 d               | 1.23 g   | 150 b    | 217 a   | 2.22 a           | 0.68 a |
| AR2                         | 1.91 abc             | 1.69 bc  | 16 c     | 223 a   | 9.10 a           | 1.02 a |
| Bain Favorite #1            | 2.08 a               | 1.89 bc  | 46 c     | 178 ab  | 3.15 a           | 0.71 a |
| Pilgrim                     | 2.14 a               | 1.89 bc  | 257 a    | 202 ab  | 5.49 a           | 0.65 a |
| Stevens                     |                      | 1.62 def | 3 c      | 49 c    |                  | 4.24 a |
| NJS98-65                    | 2.11 a               | 1.93 b   | 11 c     | 201 ab  | 3.03 a           | 0.69 a |
| NJS98-28                    | 1.58 a-d             | 1.65 def | 27 c     | 171 ab  | 4.26 a           | 3.06 a |

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Table 2. Fruit percent rot at storage and percent monkey-facing cranberry variety trials – Long Beach, Washington

| Variety                     | % fruit rot<br>6 weeks storage | % poorly –<br>pollinated fruit<br>(monkey-faces) |
|-----------------------------|--------------------------------|--|
| njs98-23 'Crimson Queen'    | 0.3 ab                         | 5.0 a  |
| njs95-37                    | 0.3 ab                         | 0.2 cd   |
| cnj97-105-4 'Mullica Queen' | 0 b                            | 0 d  |
| cnj96-44-83                 | 0.4 ab                         | 1.4 bcd  |
| cnj95-20-20                 | 0 b                            | 1.8 bc   |
| cnj93-9-42                  | 0.2 b                          | 0.6 cd   |
| nj93-13-100                 | 1.2 ab                         | 0.2 cd   |
| BE4                         | 0.4 ab                         | 0.2 cd   |
| AR2                         | 0.5 ab                         | 0.3 cd   |
| Bain Favorite #1            | 1.2 ab                         | 2.4 b  |
| Pilgrim                     | 0.2 b                          | 1.2 bcd  |
| Stevens                     | 1.5 ab                         | 0.4 cd   |
| njs98-65                    | 0.4 ab                         | 0.1 d  |
| njs98-28                    | 2.2 a                          | 0.9 bcd  |

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Table 3. Rose bloom and fruit color - cranberry variety trials – Long Beach, Washington

| Variety                     | # Rose bloom infested<br>uprights/ 16 m2 | % fruit dark red<br>August 21, 2006 | % fruit yellow<br>August 21, 2006 |
|-----------------------------|--|-------------------------------------|-----------------------------------|
| njs98-23 'Crimson Queen'    | 28 abc                                   | 85 a                                | 0 b                               |
| njs95-37                    | 14 bc                                    | 27 b                                | 7 b                               |
| cnj97-105-4 'Mullica Queen' | 5 bc                                     | 10 b                                | 10 b                              |
| cnj96-44-83                 | 81 a                                     | 90 a                                | 0 b                               |
| cnj95-20-20                 | 19 bc                                    | 82 a                                | 2 b                               |
| cnj93-9-42                  | 13 bc                                    | 27 b                                | 30 ab                             |
| nj93-13-100                 | 59 abc                                   | 72 a                                | 30 ab                             |
| BE4                         | 75 ab                                    | 15 b                                | 25 b                              |
| AR2                         | 3 c                                      | 2 b                                 | 32 ab                             |
| Bain Favorite #1            | 53 abc                                   | 0 b                                 | 37 ab                             |
| Pilgrim                     | 66 abc                                   | 0 b                                 | 63 a                              |
| Stevens                     | 5 c                                      | 3 b                                 | 0 b                               |
| njs98-65                    | 26 abc                                   | 20 b                                | 5 b                               |
| njs98-28                    | 21 abc                                   | 70 a                                | 2 b                               |

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)