APPENDIX

Organic Cultural Practices

All plots planted on 34 inch rows with 9 inch spacing between seed pieces

Seed hand cut to 1.5 to 2.5 ounce seed piece weight

Seed held at 65F and 95% RH for 3 to 4 weeks after cutting to heal before planting

Plots consisted of two rows of 14 hills each (one or two replications depending upon seed)

Only organic approved inputs used on trial

On average approx. 10 tons of compost applied per season (70-75 lbs/a N)

Irrigation applied in some seasons

Planting dates: May 10 to 26

Harvest dates: August 17 to October 18

Trials mowed a month early in 2004 and 2009 due to late blight

Rating Codes for Tuber Characteristics, Scab and Potato Leafhopper

<table>
<thead>
<tr>
<th>External Defects:</th>
<th>Internal Defects:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunscald and Green</td>
<td>Hollow Heart</td>
</tr>
<tr>
<td>Missshapen, Knobs</td>
<td>Brown Center</td>
</tr>
<tr>
<td>Growth Cracks</td>
<td>Vascular Discoloration</td>
</tr>
<tr>
<td>Rot from soft rot</td>
<td>Internal Heat Necrosis</td>
</tr>
</tbody>
</table>

**Scab Rating:**

- 0 = None
- 1 = Trace, slight lesions or #
- 2 = Visible, up to 20% of tubers
- 3 = Moderate, 20 to 50% of tubers
- 4 = Bad, over 50% of tubers
- 5 = Very Bad, on all tubers

**Skin Color:**

- 1 = Purple
- 2 = Red
- 3 = Pink
- 4 = Dark Brown
- 5 = Brown
- 6 = Tan/Light Brown
- 7 = Buff
- 8 = White
- 9 = Cream

**Potato Leafhopper Rating:**

- 1 = Little or no leaf curling
- 2 = Moderate leaf curling plus some necrosis
- 3 = Severe leaf curling accompanied by leaf necrosis
- 4 = Most lower leaves necrotic or dead