1980 - SAMPLE COST TO PRODUCE Pears

The sample costs in this study are based on a typical set of conditions and include the operations of an average or better producer. Figures are not average and will vary one year to another with weather variations, cultural practices, and prices paid and received.

Sacramento County Bartlett Pear Production for Years 1969 through 1978

Yields/Acre* 20.3 15.1 16.7 15.8 13.8 15.7 14.6 18.1 13.0 12.5 15.7

*From Sacramento County Agricultural Commissioner Reports.

Sprinkler instead of flood irrigation costs were used since the trend is toward this method. For any individual grower, some items might be omitted, others added depending on his methods of production.

Basis of Cost Calculation

Labor: 1. Skilled, which includes equipment operators and crew supervisors.

2. Unskilled, including pruners, pickers, irrigators and other labor that does not operate equipment or perform specialized tasks.

Interest: The 11% interest charge on investment is based on the assumption that this money could reasonably be expected to provide an 11% return if it were invested elsewhere.

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**EQUIPMENT INVESTMENT**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ 2 Tractors, 50 H.P.W.D. (1 used)</td>
<td>$21,000</td>
</tr>
<tr>
<td>✓ 2 Tractors, 30 H.P.W.D. (used)</td>
<td>9,000</td>
</tr>
<tr>
<td>✓ 10 Tractors, used 15-30 HP @ $2,000 each</td>
<td>20,000</td>
</tr>
<tr>
<td>✓ 12 Bin trailers @ $1,300 each</td>
<td>15,600</td>
</tr>
<tr>
<td>✓ 2 Sprayer air carriers 36&quot; diesel (1 used)</td>
<td>28,000</td>
</tr>
<tr>
<td>✓ 2 Forklift attachments - low-lift</td>
<td>6,400</td>
</tr>
<tr>
<td>✓ 1 Tree squirrel</td>
<td>7,000</td>
</tr>
<tr>
<td>✓ 1 Cover crop and limb shredder 9'</td>
<td>4,000</td>
</tr>
<tr>
<td>✓ 1 Nurse truck (for sprayer)</td>
<td>7,000</td>
</tr>
<tr>
<td>✓ 1 Weed sprayer, P.T.O</td>
<td>3,000</td>
</tr>
<tr>
<td>✓ 1 pickup truck, 3/4 ton</td>
<td>8,000</td>
</tr>
<tr>
<td>✓ 100 Ladders</td>
<td>7,000</td>
</tr>
<tr>
<td>✓ 120 Picking bags</td>
<td>6,000</td>
</tr>
<tr>
<td>✓ 1 Forklift</td>
<td>15,000</td>
</tr>
<tr>
<td>✓ 1 Duster</td>
<td>6,000</td>
</tr>
</tbody>
</table>

TOTAL INVESTMENT $156,700

Per Acre on .150 acres $1,044.67
Depreciation per acre 104.47
Interest per acre @ 11% 57.46

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COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS, Division of Agricultural Sciences,
University of California, U.S. Department of Agriculture and County of Sacramento cooperation.
**Sample Costs to Produce Pears**

Sacramento County - February 1980

Prepared by

Gordon W. Morehead, Farm Advisor
Lynn Horel, Research Associate Agriculture Economics

**Production Data:**
- **Yield:** 20 tons per acre
- **134 trees per acre -- 150 acre orchard**

**Skilled Labor:** $6.00 per hour including fringe benefits.

**Unskilled Labor:** $4.00 per hour

### Cash and Labor Cost per Acre

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>HOURS</th>
<th>ACRE</th>
<th>LABOR</th>
<th>FUEL &amp; REPAIRS</th>
<th>KINDS &amp; QUANTITY</th>
<th>MATERIALS COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cultural Costs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prune - Contract</td>
<td>100.0</td>
<td>$350.00</td>
<td></td>
<td></td>
<td></td>
<td>$350.00</td>
<td></td>
</tr>
<tr>
<td>Brush Disposal</td>
<td>1.0</td>
<td>4.00</td>
<td>$3.30</td>
<td></td>
<td></td>
<td>7.30</td>
<td></td>
</tr>
<tr>
<td>Spry 7X (24)</td>
<td>5.0</td>
<td>60.00</td>
<td>34.37</td>
<td>Chemicals</td>
<td></td>
<td>$82.50</td>
<td>176.87</td>
</tr>
<tr>
<td>Blight Spray 9X</td>
<td>3.0</td>
<td>18.00</td>
<td>39.10</td>
<td>Chemicals</td>
<td></td>
<td>24.00</td>
<td>81.10</td>
</tr>
<tr>
<td>Blight cutting</td>
<td>7.0</td>
<td>28.00</td>
<td>12.35</td>
<td></td>
<td></td>
<td>40.55</td>
<td></td>
</tr>
<tr>
<td>Fertilizer</td>
<td>.5</td>
<td>3.00</td>
<td>1.75</td>
<td>150 lbs N &amp; 25% PO4 + 400 lbs.</td>
<td></td>
<td>69.50</td>
<td>74.25</td>
</tr>
<tr>
<td>Chop cover crop 6X</td>
<td>3.0</td>
<td>18.00</td>
<td>14.80</td>
<td></td>
<td></td>
<td>24.25</td>
<td></td>
</tr>
<tr>
<td>Weed control(strip 3X)</td>
<td>1.2</td>
<td>7.20</td>
<td>2.55</td>
<td>Chemicals</td>
<td></td>
<td>14.50</td>
<td>24.25</td>
</tr>
<tr>
<td>Irrigate (sprinkler 9X)</td>
<td>5.0</td>
<td>20.00</td>
<td>1.00</td>
<td>Power for 3-1/2 ac. ft.</td>
<td></td>
<td>28.00</td>
<td>49.00</td>
</tr>
<tr>
<td>Supervision</td>
<td>6.0</td>
<td>36.00</td>
<td></td>
<td></td>
<td></td>
<td>28.00</td>
<td>36.00</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>2.0</td>
<td>8.00</td>
<td>4.50</td>
<td></td>
<td></td>
<td>12.50</td>
<td></td>
</tr>
<tr>
<td>Interest on operating capital, 1/2 yr @ 13%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>57.50</td>
<td>57.50</td>
</tr>
<tr>
<td><strong>Total Cultural Costs</strong></td>
<td></td>
<td></td>
<td>$552.20</td>
<td>$133.92</td>
<td></td>
<td>$276.00</td>
<td>$942.12</td>
</tr>
</tbody>
</table>

**Harvest Costs**

|                           |       |      |       |                |                   |                |       |
| Pick: 20 tons @ $25/ton   |       |      | $500.00 |                |                   |                |       |
| Haul                      | 8.0   | 32.00 |       |                |                   |                | 32.00 |
| **Total Harvest Cost**    |       |      | $532.00 |                |                   |                |       |

**Cash Overhead**

|                           |       |      |       |                |                   |                |       |
| Misc., office, etc.       |       |      |       |                |                   | $118.20        |       |
| Taxes                     |       |      |       |                |                   | 35.00          |       |
| **Total Cash Overhead**   |       |      | $453.20 |                |                   |                |       |

**Total Cash Cost**

|                           |       |      |       |                |                   |                |       |
|                           |       |      | $1,084.20 | $133.92         |                   | $429.20        | $1,647.32 |

**Management**

|                           |       |      |       |                |                   |                |       |
|                           |       |      |       |                |                   | $170.00        |       |

### Investment

<table>
<thead>
<tr>
<th>INVESTMENT</th>
<th>Per Acre</th>
<th>Depreciation</th>
<th>Interest @ 13%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land</td>
<td>$3,000</td>
<td>$330.00</td>
<td></td>
</tr>
<tr>
<td>Trees</td>
<td>$6,000</td>
<td>$330.00</td>
<td></td>
</tr>
<tr>
<td>Irrigation system</td>
<td>$750</td>
<td>$15.00</td>
<td>41.25</td>
</tr>
<tr>
<td>Buildings</td>
<td>$300</td>
<td>$16.50</td>
<td></td>
</tr>
<tr>
<td>Equipment</td>
<td>$1,045</td>
<td>$57.46</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$11,095</td>
<td>$319.47</td>
<td>$775.21</td>
</tr>
</tbody>
</table>

**Total Cost per Acre**

<table>
<thead>
<tr>
<th></th>
<th>@20 ton yield</th>
<th>@15 ton yield</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$2,892.00</td>
<td>2,759.00</td>
</tr>
</tbody>
</table>

**Total Cost per Ton**

<table>
<thead>
<tr>
<th></th>
<th>@20 ton yield</th>
<th>@15 ton yield</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>144.60</td>
<td>183.93</td>
</tr>
</tbody>
</table>

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