SAMPLE COSTS TO PRODUCE BROCCOLI IN MONTEREY COUNTY 1971

By J. W. Huffman and E. A. Yeary

Based on a yield of 3 tons per acre

<table>
<thead>
<tr>
<th></th>
<th>Hours per Acre</th>
<th>Cost per Acre</th>
<th>Cost per Ton</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Man Labor</td>
<td>80 hp Tract.</td>
<td>45 hp Tract.</td>
</tr>
<tr>
<td>Land preparation</td>
<td>3.0</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Pre-plant fertilizer and list: Contract @ 3.75/A</td>
<td>0.5</td>
<td>0.5</td>
<td>2.00</td>
</tr>
<tr>
<td>Shape beds and roll</td>
<td>0.5</td>
<td>0.5</td>
<td>1.98</td>
</tr>
<tr>
<td>Plant: 4 bed planter</td>
<td>12.0</td>
<td>1.0</td>
<td>22.00</td>
</tr>
<tr>
<td>Irrigations: 6 x - 2 sprinkler, 4 furrow</td>
<td>20.0</td>
<td>44.00</td>
<td></td>
</tr>
<tr>
<td>Thin</td>
<td>20.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sidedress fertilizer: 2 x contract @ 3.00/A</td>
<td>6.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Herbicides 2 x - 1 pre &amp; 1 post application @ 3.00/application</td>
<td>6.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insecticide applications: 3 x contract @ 3.00/A</td>
<td>9.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cultivations: 5 x</td>
<td>2.5</td>
<td>2.5</td>
<td>10.13</td>
</tr>
<tr>
<td>Hoe and weed</td>
<td>8.0</td>
<td></td>
<td>17.60</td>
</tr>
<tr>
<td>Misc., other work</td>
<td>3.0</td>
<td>0.5</td>
<td>1.0</td>
</tr>
<tr>
<td>Total cultural labor and field power</td>
<td></td>
<td>149.76</td>
<td>49.92</td>
</tr>
<tr>
<td>Irrigation water: 2.5 A ft @ 5.00 for power plus 1.00 for booster</td>
<td>13.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seed: 1.2 lbs @ 3&quot; spacing @ 7.50/lb (includes 51.00/lb for sizing</td>
<td>9.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fertilizer materials: 400 lb 14-14-7 preplant 240 lb N side dressed</td>
<td>50.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insecticide 21.00/A and herbicides 24.00/A</td>
<td>45.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total material cost</td>
<td>117.50</td>
<td>39.17</td>
<td></td>
</tr>
<tr>
<td>Total labor, field power and materials</td>
<td>Tenants 267.26</td>
<td>89.03</td>
<td></td>
</tr>
<tr>
<td>Business costs, office, car operation capital, etc., 8% of above</td>
<td>19.15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Taxes: real estate and improvement 50% to broccoli</td>
<td>24.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Taxes: Equipment, except tractors</td>
<td>3.00</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td>Repairs: except trucks and tractors</td>
<td>8.00</td>
<td>8.00</td>
<td></td>
</tr>
<tr>
<td>Rent: 130.00/A 50% to broccoli</td>
<td>65.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total cash overhead cost</td>
<td>76.00</td>
<td>54.15</td>
<td>18.05</td>
</tr>
<tr>
<td>Total cash costs</td>
<td>343.26</td>
<td>321.41</td>
<td>107.14</td>
</tr>
<tr>
<td>Investment overhead</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Costs based on 2000 crop acres</td>
<td>Orig. Cost</td>
<td>Avg. Value</td>
<td>7% Int.</td>
</tr>
<tr>
<td>Buildings for equipment</td>
<td>18.00</td>
<td>9.00</td>
<td>.63</td>
</tr>
<tr>
<td>Irrigation wells, pipeline</td>
<td>150.00</td>
<td>75.00</td>
<td>5.25</td>
</tr>
<tr>
<td>Land: 50% of 2000.00 value</td>
<td>1000.00</td>
<td>1000.00</td>
<td>70.00</td>
</tr>
<tr>
<td>Subtotal real estate</td>
<td>1068.00</td>
<td>984.00</td>
<td>75.88</td>
</tr>
<tr>
<td>Tractors, trucks, etc.</td>
<td>110.00</td>
<td>55.00</td>
<td>3.85</td>
</tr>
<tr>
<td>Tillage equip., planter, etc.</td>
<td>32.00</td>
<td>16.00</td>
<td>1.12</td>
</tr>
<tr>
<td>Portable irrig. pipe, sprinklers</td>
<td>28.00</td>
<td>14.00</td>
<td>.98</td>
</tr>
<tr>
<td>Misc. small equipment</td>
<td>14.00</td>
<td>7.00</td>
<td>.49</td>
</tr>
<tr>
<td>Total operator's equipment</td>
<td>184.00</td>
<td>92.00</td>
<td>6.44</td>
</tr>
<tr>
<td>Total invest. and depreciation</td>
<td>82.32</td>
<td>26.50</td>
<td></td>
</tr>
<tr>
<td>Total cash and depreciation</td>
<td>361.56</td>
<td>347.91</td>
<td>115.97</td>
</tr>
<tr>
<td>Interest on investment</td>
<td>6.44</td>
<td>82.32</td>
<td>27.44</td>
</tr>
<tr>
<td>Total costs up to harvest</td>
<td>$122.70 per ton for tenant</td>
<td>368.10</td>
<td>430.23</td>
</tr>
</tbody>
</table>

Labor costs per hour include Social Security and Workmen's Compensation Insurance. Equipment Operator $2.75 per hour, all other field labor $2.20 per hour, 80 hp crawler tractor per hour cash costs $3.20, depreciation $1.80 interest 7%. 45 hp wheel tractor $1.30, 68", and 28" light truck $2.00 per hour cash costs and pickup $1.60 for light work, sprinkler booster pump costs $2.00 per acre foot of water.

UC Cooperative Extension 2/71
Sample Costs of Production at Varying Yields

**OWNER**

<table>
<thead>
<tr>
<th>Yield: Tons Per Acre</th>
<th>2.5</th>
<th>3.0</th>
<th>3.5</th>
<th>4.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Growing Costs Per Acre</td>
<td>430.23</td>
<td>430.23</td>
<td>430.23</td>
<td>430.23</td>
</tr>
<tr>
<td>Total Cost Per Ton</td>
<td>172.09</td>
<td>143.41</td>
<td>122.92</td>
<td>107.56</td>
</tr>
</tbody>
</table>

**TENANT**

<table>
<thead>
<tr>
<th>Yield: Tons Per Acre</th>
<th>2.5</th>
<th>3.0</th>
<th>3.5</th>
<th>4.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Growing Costs Per Acre</td>
<td>368.10</td>
<td>368.10</td>
<td>368.10</td>
<td>368.10</td>
</tr>
<tr>
<td>Total Cost Per Ton</td>
<td>147.24</td>
<td>122.70</td>
<td>105.17</td>
<td>92.03</td>
</tr>
</tbody>
</table>

**Thinning Costs**

If the soil is relatively weed free, herbicides applied properly and a careful seed spacing obtained, thinning and weeding cost can be substantially reduced.

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