

University of California Cooperative Extension

SAMPLE COSTS TO ESTABLISH A EUREKA LEMON GROVE  
Nipomo Area - San Luis Obispo County 1983

By

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|   | COSTS PER ACRE    |                   |                   |                   |                   |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
|   | 1st yr.           | 2nd yr.           | 3rd yr.           | 4th yr.           | 5th yr.           |
| YIELD: Bins per acre (1000 lbs. gross)                      | 0                 | 0                 | 8                 | 22                | 32                |
| <b>PRE-HARVEST CASH COSTS</b>                               |                   |                   |                   |                   |                   |
| Land clearing, brush & tree removal<br>range \$100 to \$300 | \$ 200.00         |                   |                   |                   |                   |
| Trees, 115 at \$7.00  | 805.00            |                   |                   |                   |                   |
| Layout, plant, irrigate, wrap trees<br>\$3.00 each          | 345.00            |                   |                   |                   |                   |
| Re-plant, second year                                       |                   | \$ 10.00          |                   |                   |                   |
| Irrigation labor (drip system)                              | 45.00             | 55.00             | \$ 55.00          | \$ 55.00          | \$ 55.00          |
| Water, \$75 per acre foot                                   | 18.75             | 37.50             | 56.25             | 75.00             | 112.50            |
| Weed control by chemicals, with hand<br>labor supplement    | 75.00             | 75.00             | 75.00             | 75.00             | 65.00             |
| Fertilizer  | 6.00              | 16.90             | 33.90             | 48.00             | 64.00             |
| Pest and rodent control<br>materials and application        | 35.00             | 45.00             | 65.00             | 102.00            | 120.00            |
| Pruning and brush control                                   | 20.00             | 26.00             | 112.00            | 200.00            | 200.00            |
| Frost protection: wind machines                             | 200.00            | 200.00            | 200.00            | 200.00            | 200.00            |
| Taxes - estimate  | 63.00             | 63.00             | 63.00             | 63.00             | 63.00             |
| Repairs, except tractor                                     | 83.00             | 87.00             | 93.00             | 103.00            | 103.00            |
| Misc. labor, materials, field power                         | 82.00             | 82.00             | 82.00             | 82.00             | 82.00             |
| Management  | 75.00             | 75.00             | 75.00             | 75.00             | 75.00             |
| Office and business expense                                 | 164.22            | 61.79             | 93.77             | 143.88            | 175.00            |
| <b>TOTAL PRE-HARVEST CASH COSTS</b>                         | <b>\$ 2216.97</b> | <b>\$ 834.19</b>  | <b>\$ 1003.92</b> | <b>\$ 1221.88</b> | <b>\$ 1314.50</b> |
| <b>HARVEST COSTS (bin = 16 boxes at 55 lbs.)</b>            |                   |                   |                   |                   |                   |
| Picking and supervision \$27 bin                            |                   |                   | \$ 216.00         | \$ 594.00         | \$ 864.00         |
| Hauling: \$5.75 per bin                                     |                   |                   | 46.00             | 126.50            | 184.00            |
| <b>TOTAL HARVESTING COSTS</b>                               |                   |                   | <b>\$ 262.00</b>  | <b>\$ 720.50</b>  | <b>\$ 1048.00</b> |
| <b>TOTAL CASH COSTS</b>                                     | <b>\$ 2216.97</b> | <b>\$ 834.19</b>  | <b>\$ 1265.92</b> | <b>\$ 1942.38</b> | <b>\$ 2362.50</b> |
| <b>DEPRECIATION</b>   |                   |                   |                   |                   |                   |
| Pump, panel, wall \$500 10 years                            | \$ 50.00          | \$ 50.00          | \$ 50.00          | \$ 50.00          | \$ 50.00          |
| Irrigation system (drip) \$700 10 years                     | 70.00             | 70.00             | 70.00             | 70.00             | 70.00             |
| Wind machine \$1600 15 years                                | 107.00            | 107.00            | 107.00            | 107.00            | 107.00            |
| Other equipment   | 37.00             | 37.00             | 37.00             | 37.00             | 37.00             |
| Tractor   | 16.00             | 12.00             | 12.00             | 16.00             | 16.00             |
| <b>TOTAL DEPRECIATION</b>                                   | <b>\$ 280.00</b>  | <b>\$ 276.00</b>  | <b>\$ 276.00</b>  | <b>\$ 280.00</b>  | <b>\$ 280.00</b>  |
| <b>INTEREST ON INVESTMENT AT 11%</b>                        |                   |                   |                   |                   |                   |
| Pump, panel, well 1/2 cost \$250                            | \$ 27.50          | \$ 27.50          | \$ 27.50          | \$ 27.50          | \$ 27.50          |
| Irrigation system 1/2 cost \$350                            | 38.50             | 38.50             | 38.50             | 38.50             | 38.50             |
| Wind machine 1/2 cost \$800                                 | 88.00             | 88.00             | 88.00             | 88.00             | 88.00             |
| Other equipment   | 19.60             | 19.60             | 19.60             | 19.60             | 19.60             |
| Tractor   | 9.00              | 6.75              | 6.75              | 9.00              | 9.00              |
| Land \$5000   | 550.00            | 550.00            | 550.00            | 550.00            | 550.00            |
| Interest on accumulated costs                               |                   | 355.25            | 596.79            | 882.29            | 1221.63           |
| <b>TOTAL INTEREST ON INVESTMENT</b>                         | <b>\$ 732.60</b>  | <b>\$ 1085.60</b> | <b>\$ 1327.14</b> | <b>\$ 1614.89</b> | <b>\$ 1954.23</b> |
| <b>TOTAL COST FOR THE YEAR</b>                              | <b>\$ 3229.57</b> | <b>\$ 2195.79</b> | <b>\$ 2869.06</b> | <b>\$ 3837.27</b> | <b>\$ 4596.73</b> |
| <b>CREDIT FOR FRUIT \$34.20</b>                             |                   |                   | <b>\$ 273.60</b>  | <b>\$ 752.40</b>  | <b>\$ 1094.40</b> |
| <b>COST FOR THE YEAR</b>                                    | <b>\$ 3229.57</b> | <b>\$ 2195.79</b> | <b>\$ 2595.46</b> | <b>\$ 3084.87</b> | <b>\$ 3502.33</b> |
| <b>ACCUMULATED NET COST</b>                                 | <b>\$ 3229.57</b> | <b>\$ 5425.36</b> | <b>\$ 8020.82</b> | <b>\$11105.69</b> | <b>\$14608.02</b> |

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Cooperative Extension, University of California

SAMPLE COSTS TO PRODUCE EUREKA LEMONS  
SAN LUIS OBISPO COUNTY - 1983

By

John H. Foott, Farm Advisor  
E. A. Yeary, Farm Advisor-Statewide

| Based on 40 acre grove; a yield of 50 bins per acre (1000 lbs. each); labor at \$8.15 per hour. | Sample Costs     |                 | My Costs |         |
|---|------------------|-----------------|----------|---------|
|   | Per Acre         | Per Bin         | Per Acre | Per Bin |
| <b>PRE-HARVEST COSTS</b>  |                  |                 |          |         |
| Pruning and brush disposal  | \$ 300.00        |                 |          |         |
| Weed control by chemicals; contract application   | 65.00            |                 |          |         |
| Irrigation: Labor 9 hrs.  | 73.35            |                 |          |         |
| Water: 2 acre ft. @ \$75  | 150.00           |                 |          |         |
| Foliar nutrient spray: materials & appl.  | 42.00            |                 |          |         |
| Fertilizer: materials & appl. in water  | 80.00            |                 |          |         |
| Pest control: materials & application, including rodent control                                 | 200.00           |                 |          |         |
| Frost protection: wind machine, oil, labor for heaters  | 200.00           |                 |          |         |
| Taxes   | 121.00           |                 |          |         |
| Repairs, except tractor   | 103.00           |                 |          |         |
| Misc. labor, power, materials   | 82.00            |                 |          |         |
| Management  | 75.00            |                 |          |         |
| Office, business expense, interest, etc.  | 250.31           |                 |          |         |
| <b>TOTAL PRE-HARVEST COSTS</b>  | <b>\$1741.66</b> | <b>\$ 34.83</b> |          |         |
| <b>HARVESTING COSTS</b>   |                  |                 |          |         |
| Pick: \$27 per bin  | \$1350.00        |                 |          |         |
| Haul: \$5.75 per bin  | 287.50           |                 |          |         |
| <b>TOTAL HARVESTING COSTS</b>   | <b>\$1637.50</b> | <b>\$ 32.75</b> |          |         |
| <b>TOTAL CASH COSTS</b>   | <b>\$3379.16</b> | <b>\$ 67.58</b> |          |         |
| <b>DEPRECIATION</b>   |                  |                 |          |         |
| Trees: \$14608, 30 yrs.   | \$ 486.93        |                 |          |         |
| Pump, panel, well: \$500, 10 yrs.   | 50.00            |                 |          |         |
| Irrigation system: (drip) \$700, 10 yrs.  | 70.00            |                 |          |         |
| Wind machine: \$1600, 15 yrs.   | 107.00           |                 |          |         |
| Other equipment   | 37.00            |                 |          |         |
| Tractor   | 16.00            |                 |          |         |
| <b>TOTAL DEPRECIATION</b>   | <b>\$ 766.93</b> | <b>\$ 15.34</b> |          |         |
| <b>INTEREST ON INVESTMENTS @ 11%</b>  |                  |                 |          |         |
| Trees: 1/2 cost \$7304  | \$ 803.44        |                 |          |         |
| Pump, panel, well: 1/2 cost \$250   | 27.50            |                 |          |         |
| Irrigation system: 1/2 cost \$350   | 38.50            |                 |          |         |
| Wind machines: 1/2 cost \$800   | 88.00            |                 |          |         |
| Other equipment   | 19.60            |                 |          |         |
| Tractor   | 9.00             |                 |          |         |
| Land: \$5000  | 550.00           |                 |          |         |
| <b>TOTAL INTEREST ON INVESTMENT</b>   | <b>\$1536.04</b> | <b>\$ 30.72</b> |          |         |
| <b>TOTAL COST OF PRODUCTION</b>   | <b>\$5682.13</b> | <b>\$113.64</b> |          |         |

Sample Cost per Bin at Varying Yields

| Yield: Bins per acre (1000 lbs.)        | 45       | 50       | 55       | 60       |
|---|----------|----------|----------|----------|
| Total costs of production per field box | \$122.63 | \$113.64 | \$106.29 | \$100.16 |

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