

SAMPLE COSTS TO PRODUCE ALMONDS  
Cover Crop Between Rows  
Strip Weed Control  
San Joaquin Valley - 1984

Labor rate \$ 7.50 /hr. skilled labor  
5.75 /hr. field labor  
Yield: 1500 pounds of nut meats per acre

| Operation                                       | Labor Hours per Acre | Labor        | Cash and Fuel & Repairs | Labor Costs per Acre  |                       | Total Cost     | Your Cost |
|---|----------------------|--------------|-------------------------|-----------------------|-----------------------|----------------|-----------|
|   |                      |              |                         | Kind and Quantity     | Materials Cost        |                |           |
| <b>Cultural costs:</b>                          |                      |              |                         |                       |                       |                |           |
| Pruning   | 10                   | 30.00        |                         | Tower Rental \$20/hr. | 80.00                 | 110.00         |           |
| Brush Disposal                                  | 1.2                  | 15.00        | 8.00                    |                       |                       | 23.00          |           |
| Fertilizer                                      |                      |              |                         | 200 lbs. N @ .33/lb.  | 66.00                 | 66.00          |           |
|   |                      |              |                         | Custom application    | 12.00                 | 12.00          |           |
| Disease & pest control                          |                      |              |                         | Materials             | 150.00                | 150.00         |           |
|   |                      |              |                         | Custom application    | 60.00                 | 60.00          |           |
| Irrigation                                      | .5                   | 5.75         |                         |                       | 75.00                 | 80.75          |           |
| Spray: weed control                             |                      |              |                         | Materials             | 34.00                 | 34.00          |           |
|   |                      |              |                         | Application           | 10.00                 | 10.00          |           |
| Mow 6X  | 1.2                  | 9.00         | 10.80                   |                       |                       | 19.80          |           |
| Bee rental                                      |                      |              |                         | 2 hives per acre      | 50.00                 | 50.00          |           |
| Tree replacment                                 |                      |              |                         | 1 tree per acre       | 4.00                  | 4.00           |           |
| Misc.   | 1                    | 7.50         | 7.00                    |                       |                       | 14.50          |           |
| Interest on operating capital @ 13%             |                      |              |                         |                       |                       | 82.43          |           |
| <b>TOTAL CULTURAL COSTS</b>                     | <b>13.9</b>          | <b>67.25</b> | <b>25.80</b>            |                       | <b>541.00</b>         | <b>716.48</b>  |           |
| <b>Harvest costs:</b>                           |                      |              |                         |                       |                       |                |           |
| Custom shake - \$45 per acre                    |                      |              |                         |                       |                       | 45.00          |           |
| Pole  |                      |              |                         |                       |                       | 15.00          |           |
| Rake  |                      |              |                         |                       |                       | 30.00          |           |
| Pick up, haul, hull - custom \$.07/lb. in shell |                      |              |                         |                       |                       | 105.00         |           |
| <b>TOTAL HARVEST COSTS</b>                      |                      |              |                         |                       |                       | <b>195.00</b>  |           |
| <b>Cash overhead:</b>                           |                      |              |                         |                       |                       |                |           |
| Office and business costs                       |                      |              |                         |                       |                       | 72.92          |           |
| County Taxes                                    |                      |              |                         |                       |                       | 120.00         |           |
| <b>TOTAL CASH OVERHEAD COSTS</b>                |                      |              |                         |                       |                       | <b>192.92</b>  |           |
| <b>TOTAL CASH COSTS</b>                         |                      |              |                         |                       |                       | <b>1104.39</b> |           |
| <b>TOTAL CASH COST PER TON</b>                  |                      |              |                         |                       |                       | <b>1472.53</b> |           |
| <b>Investment</b>                               |                      |              |                         |                       |                       |                |           |
|   | <b>Per Acre</b>      |              |                         | <b>Annual Cost</b>    |                       |                |           |
|   |                      |              |                         | <b>Depreciation</b>   | <b>Interest @ 13%</b> |                |           |
| Equipment & buildings                           | 1286.25              |              |                         | 99.75                 | 83.61                 | 183.36         |           |
| Trucks 40 yr. depreciation                      | 7504.00              |              |                         | 187.60                | 487.76                | 675.36         |           |
| Land  | 6000.00              |              |                         |                       | 780.00                | 780.00         |           |
| <b>TOTAL INVESTMENT COSTS</b>                   | <b>14790.25</b>      |              |                         | <b>287.35</b>         | <b>1351.37</b>        | <b>1638.72</b> |           |
| <b>TOTAL COSTS PER ACRE</b>                     |                      |              |                         |                       |                       | <b>2743.11</b> |           |
| Cost per lb @ 1500 lbs. yield                   |                      |              |                         |                       |                       | 1.83           |           |

Cost of Producing Almonds At Varying Yields  
Cover Crop Between Rows

|                 | POUNDS PER ACRE |         |         |         |         |         |
|-----------------|-----------------|---------|---------|---------|---------|---------|
|                 | 750             | 1000    | 1250    | 1500    | 1750    | 2000    |
| Cultural costs  | 716.48          | 716.48  | 716.48  | 716.48  | 716.48  | 716.48  |
| Harvest cost    | 142.50          | 160.00  | 177.50  | 195.00  | 212.50  | 230.00  |
| Cash overhead   | 188.72          | 190.12  | 191.52  | 192.92  | 194.32  | 195.72  |
| Total cash cost | 1047.70         | 1066.60 | 1085.50 | 1104.40 | 1123.30 | 1142.20 |
| Investment cost | 1638.72         | 1638.72 | 1638.72 | 1638.72 | 1638.72 | 1638.72 |
| Total cost      | 2686.42         | 2705.32 | 2724.22 | 2743.12 | 2762.02 | 2780.92 |

Income Above Cash Costs at Varying Yields & Prices

| CENTS PER<br>POUND | POUNDS PER ACRE |         |        |        |        |         |
|--------------------|-----------------|---------|--------|--------|--------|---------|
|                    | 750             | 1000    | 1250   | 1500   | 1750   | 2000    |
| 80                 | -447.70         | -266.60 | -85.50 | 95.60  | 276.70 | 457.80  |
| 90                 | -372.70         | -166.60 | 39.50  | 245.60 | 451.70 | 657.80  |
| 100                | -297.70         | -66.60  | 164.50 | 395.60 | 626.70 | 857.80  |
| 110                | -222.70         | 33.40   | 289.50 | 545.60 | 801.70 | 1057.80 |
| 120                | -147.70         | 133.40  | 414.50 | 695.60 | 976.70 | 1257.80 |

Income Above Total Costs at Varying Yields & Prices

| CENTS PER<br>POUND | POUNDS PER ACRE |          |          |          |          |          |
|--------------------|-----------------|----------|----------|----------|----------|----------|
|                    | 750             | 1000     | 1250     | 1500     | 1750     | 2000     |
| 80                 | -2086.42        | -1905.32 | -1724.22 | -1543.12 | -1362.02 | -1180.92 |
| 90                 | -2011.42        | -1805.32 | -1599.22 | -1393.12 | -1187.02 | -980.92  |
| 100                | -1936.42        | -1705.32 | -1474.22 | -1243.12 | -1012.02 | -780.92  |
| 110                | -1861.42        | -1605.32 | -1349.22 | -1093.12 | -837.02  | -580.92  |
| 120                | -1786.42        | -1505.32 | -1224.22 | -943.12  | -662.02  | -380.92  |

ALMOND ORCHARD  
 San Joaquin Valley - 1984  
 Cover Crop Between Rows  
 EQUIPMENT AND BUILDING LIST

| ITEM                    | ORIGINAL<br>COST | ANNUAL<br>USE<br>(ACRES) | COST<br>PER<br>ACRE | LIFE<br>(YEARS) | OVERHEAD<br>DEPREC-<br>IATION | INTEREST<br>AT 13% | COST<br>PER<br>HOUR |
|-------------------------|------------------|--------------------------|---------------------|-----------------|-------------------------------|--------------------|---------------------|
| <b>Tractors:</b>        |                  |                          |                     |                 |                               |                    |                     |
| 30 HP wheel diesel      | 13000            | 80                       | 162.50              | 10              | 16.25                         | 10.56              | 3.80                |
| 60 HP wheel diesel      | 31000            | 80                       | 387.50              | 10              | 38.75                         | 25.19              | 8.00                |
| Disk, tandem 14'        | 7500             | 80                       | 93.75               | 10              | 9.38                          | 6.09               | 3.60                |
| Mower                   | 4000             | 80                       | 50.00               | 10              | 5.00                          | 3.25               | 2.00                |
| Brush Rake              | 1000             | 80                       | 12.50               | 15              | .83                           | .81                | 1.00                |
| Spray Rig               | 12500            | 80                       | 156.25              | 10              | 15.63                         | 10.16              | 3.30                |
| 3-Wheel Motorcycle      | 1500             | 80                       | 18.75               | 5               | 3.75                          | 1.22               | 1.50                |
| Pickup                  | 8000             | 80                       | 100.00              | 5               | 20.00                         | 6.50               | 6.00                |
| Misc. Tools             | 1000             | 80                       | 12.50               | 10              | 1.25                          | .81                |                     |
| Pump and Well           | 10000            | 80                       | 125.00              | 20              | 6.25                          | 8.13               |                     |
| Irrigation System       | 72000            | 80                       | 900.00              | 20              | 45.00                         | 58.50              |                     |
| Buildings               | 10000            | 80                       | 125.00              | 30              | 4.17                          | 8.13               |                     |
| <b>TOTAL COST</b>       | <b>171500</b>    |                          | <b>2143.75</b>      |                 | <b>166.25</b>                 | <b>139.34</b>      |                     |
| <b>60% OF NEW COSTS</b> | <b>102900</b>    |                          | <b>1286.25</b>      |                 | <b>99.75</b>                  | <b>83.61</b>       |                     |

## COSTS AND SEEDING RATES FOR ORCHARD COVERS

| Cover Type   | Seeding Rate<br>(Lbs / Acre) | Dollars per Pound |        | Cost Per Acre |         |
|--------------|------------------------------|-------------------|--------|---------------|---------|
|              |                              | 1983              | 1984   | 1983          | 1984    |
| Blando brome | 20                           | \$3.06            | \$2.33 | \$61.20       | \$46.60 |
| Clover       | 10                           | 2.93              | 2.85   | 29.30         | 28.50   |

Source: Ramsey Seed Co., Mantica, Ca.;