

**FRENCH PRUNE ORCHARD ESTABLISHMENT COSTS**

**Cost Analysis Worksheet, 1976**

Costs are for a 20' x 20' planting with 108 trees per acre. Based on labor @ \$3.30 and \$4.00 per hour. Medium wheel tractor per hour cash costs \$2.60, depreciation \$1.65 and interest \$ .82.

|   | Costs Per Acre  |                  |                  |                  |                  |                  |
|---|-----------------|------------------|------------------|------------------|------------------|------------------|
|   | 1st year        | 2nd year         | 3rd year         | 4th year         | 5th year         | 6th year         |
| Yield in dry tons<br>(3 tons fresh to 1 ton dry)                                      | -               | -                | -                | .15              | .75              | 1.5              |
| <b>Pre-Harvest Cash Costs:</b>  |                 |                  |                  |                  |                  |                  |
| Land preparation: subsoil contract  | \$ 80.00        |                  |                  |                  |                  |                  |
| Disc & float: 4 hrs. labor + 4 tractor hrs.   | 26.40           |                  |                  |                  |                  |                  |
| Trees: 108 @ \$1.30 (+2, 2nd yr.; 1, 3rd yr.)   | 140.40          | \$ 2.60          | \$ 1.30          |                  |                  |                  |
| Survey, dig holes, plant & prune trees: 108 @ 75¢ (+2, 2nd yr.; 1, 3rd yr. @ \$2 ea.) | 81.00           | 4.00             | 6.00             |                  |                  |                  |
| Training, tying & pruning   | 5.20            | 17.80            | 27.50            | \$ 27.50         | \$ 30.00         | \$ 36.60         |
| Whitewash trees 1st year  | 6.90            |                  |                  |                  |                  |                  |
| Tillage & irrigation prep. 6 hrs. labor + 6 tractor hrs.                              | 39.60           | 39.60            | 39.60            | 39.60            | 39.60            | 39.60            |
| Irrigation labor: 4 hrs. labor, 1st & 2nd yrs., then 6 hrs. labor per year            | 13.20           | 13.20            | 19.80            | 19.80            | 19.80            | 19.80            |
| Water: @ \$5.50/ac. ft. + district tax @ \$6  | 11.50           | 11.50            | 14.25            | 17.00            | 22.50            | 22.50            |
| Fertilizer: nitrogen at 30¢/lb. applied   | 3.60            | 3.60             | 7.20             | 7.20             | 7.20             | 7.20             |
| Pest control materials  |                 |                  | 3.00             | 6.00             | 9.00             | 18.00            |
| Spray: application-contract   |                 |                  | 3.00             | 6.00             | 9.00             | 12.00            |
| Misc. labor & materials, incl. 1 tractor hr.  | 20.00           | 20.00            | 20.00            | 20.00            | 20.00            | 20.00            |
| County taxes  | 28.00           | 28.00            | 28.00            | 28.00            | 28.00            | 60.00            |
| Repairs, except tractor   | 17.00           | 17.00            | 17.00            | 17.00            | 17.00            | 17.00            |
| Office & business costs   | 28.37           | 9.44             | 11.20            | 12.50            | 18.20            | 27.31            |
| <b>TOTAL PRE-HARVEST CASH COSTS</b>   | <b>\$501.17</b> | <b>\$ 166.74</b> | <b>\$ 197.85</b> | <b>\$ 200.60</b> | <b>\$ 220.30</b> | <b>\$ 280.01</b> |
| <b>Harvest Costs:</b>   |                 |                  |                  |                  |                  |                  |
| Harvest & dehydrate: @ \$45/ton fresh basis   |                 |                  |                  | \$ 20.25         | \$ 101.25        | \$ 202.50        |
| <b>TOTAL HARVEST COSTS</b>  |                 |                  |                  | <b>\$ 20.25</b>  | <b>\$ 101.25</b> | <b>\$ 202.50</b> |
| <b>TOTAL CASH COSTS</b>   | <b>\$501.17</b> | <b>\$ 166.74</b> | <b>\$ 197.85</b> | <b>\$ 220.85</b> | <b>\$ 321.55</b> | <b>\$ 482.51</b> |
| <b>Depreciation:</b>  |                 |                  |                  |                  |                  |                  |
| Irrigation system: \$250 cost, 15 yr. life  | \$ 16.67        | \$ 16.67         | \$ 16.67         | \$ 16.67         | \$ 16.67         | \$ 16.67         |
| Buildings & equipment: \$140, 12 yr. life   | 11.67           | 11.67            | 11.67            | 11.67            | 11.67            | 11.67            |
| Tractor: @ \$1.65/hr.   | 18.15           | 11.55            | 11.55            | 11.55            | 11.55            | 11.55            |
| <b>TOTAL DEPRECIATION</b>   | <b>\$ 46.49</b> | <b>\$ 39.89</b>  | <b>\$ 39.89</b>  | <b>\$ 39.89</b>  | <b>\$ 39.89</b>  | <b>\$ 39.89</b>  |

|   | 1st year        | 2nd year         | 3rd year         | 4th year         | 5th year         | 6th year         |
|---|-----------------|------------------|------------------|------------------|------------------|------------------|
| <b>Interest on Investment @ 8%:</b>         |                 |                  |                  |                  |                  |                  |
| Irrigation system: 1/2 cost,<br>\$125       | \$ 10.00        | \$ 10.00         | \$ 10.00         | \$ 10.00         | \$ 10.00         | \$ 10.00         |
| Buildings & equipment:<br>1/2 cost, \$70    | 5.60            | 5.60             | 5.60             | 5.60             | 5.60             | 5.60             |
| Tractor: @ \$ .82/hr.                       | 9.02            | 5.74             | 5.74             | 5.74             | 5.74             | 5.74             |
| Land: @ \$1700/acre                         | 136.00          | 136.00           | 136.00           | 136.00           | 136.00           | 136.00           |
| Interest on accumulated<br>costs            |                 | 56.66            | 90.31            | 129.14           | 166.92           | 191.78           |
| <b>TOTAL INTEREST<br/>ON INVESTMENT</b>     | <b>\$160.62</b> | <b>\$ 214.00</b> | <b>\$ 247.65</b> | <b>\$ 286.48</b> | <b>\$ 324.26</b> | <b>\$ 349.12</b> |
| <b>TOTAL COST FOR THE YEAR</b>              | <b>\$708.28</b> | <b>\$ 420.63</b> | <b>\$ 485.39</b> | <b>\$ 547.22</b> | <b>\$ 685.70</b> | <b>\$ 871.52</b> |
| <b>Credit for Crop:<br/>@ 25¢/pound dry</b> |                 |                  |                  | \$ 75.00         | \$ 375.00        | \$ 750.00        |
| <b>NET COST FOR THE YEAR</b>                | <b>\$708.28</b> | <b>\$ 420.63</b> | <b>\$ 485.39</b> | <b>\$ 472.22</b> | <b>\$ 310.70</b> | <b>\$ 121.52</b> |
| <b>ACCUMULATED NET COST</b>                 | <b>\$708.28</b> | <b>\$1128.91</b> | <b>\$1614.30</b> | <b>\$2086.52</b> | <b>\$2397.22</b> | <b>\$2518.74</b> |

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