SAFFLOWER

West Side

Cost Analysis Work Sheet

Sample costs to produce safflower on the West Side of Fresno County. Costs are based on the production of 2500 lbs. of seed per acre. Man labor at $1.30 per hour total and equipment operator $1.60. 80 h.p. tracklayer per hour cash costs $3.80, depreciation $1.80 and interest $1.00. 50 h.p. wheel tractor $1.20, 60¢ and 30¢.

<table>
<thead>
<tr>
<th>Pred-Harvest Cash Costs</th>
<th>Sample Costs</th>
<th>My Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plow 1 x: 1 hr. man &amp; tracklayer</td>
<td>5.40 per Acre</td>
<td>6.00 per acre</td>
</tr>
<tr>
<td>Disc 3 x: 3/4 hr. man &amp; tracklayer</td>
<td>4.05 per Acre</td>
<td>5.00 per acre</td>
</tr>
<tr>
<td>Chisel 1 x: 1 hr. man &amp; tracklayer</td>
<td>5.40 per Acre</td>
<td>6.00 per acre</td>
</tr>
<tr>
<td>List beds: 1/3 hr. man &amp; wheel tractor</td>
<td>.93 per Acre</td>
<td>1.00 per acre</td>
</tr>
<tr>
<td>Irrigate: 1 pre &amp; 1 crop; 3 hrs. labor</td>
<td>3.90 per Acre</td>
<td>4.00 per acre</td>
</tr>
<tr>
<td>water: 2 1/2 ac. ft. @ $10</td>
<td>25.00 per Acre</td>
<td>30.00 per acre</td>
</tr>
<tr>
<td>Disc: 1 x: ½ hr. man &amp; tracklayer</td>
<td>1.35 per Acre</td>
<td>1.50 per acre</td>
</tr>
<tr>
<td>Fertilize: 100 lbs. N @ 7¢</td>
<td>7.00 per Acre</td>
<td>8.00 per acre</td>
</tr>
<tr>
<td>Plant: seed; 20 lbs. @ 8¢</td>
<td>1.60 per Acre</td>
<td>1.80 per acre</td>
</tr>
<tr>
<td>1/2 hr. per acre, 2 man &amp; wheel tractor</td>
<td>2.05 per Acre</td>
<td>2.20 per acre</td>
</tr>
<tr>
<td>Cultivate &amp; furrow 2 x: 1 hr. man &amp; wheel tractor</td>
<td>2.80 per Acre</td>
<td>3.00 per acre</td>
</tr>
<tr>
<td>County taxes</td>
<td>8.50 per Acre</td>
<td>10.00 per acre</td>
</tr>
<tr>
<td>Repairs to equipment except tractors</td>
<td>4.00 per Acre</td>
<td>4.50 per acre</td>
</tr>
<tr>
<td>Misc. expenses: auto, office, oper. capital, etc.</td>
<td>6.00 per Acre</td>
<td>7.00 per acre</td>
</tr>
<tr>
<td>TOTAL PRE-HARVEST CASH COSTS</td>
<td>79.78 per Acre</td>
<td>91.82 per acre</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Harvesting Costs</th>
<th>Sample Costs</th>
<th>My Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combine harvest</td>
<td>6.00 per Acre</td>
<td>7.00 per acre</td>
</tr>
<tr>
<td>Haul: est. 12¢ per cwt.</td>
<td>3.00 per Acre</td>
<td>4.00 per acre</td>
</tr>
<tr>
<td>TOTAL HARVESTING COSTS</td>
<td>9.00 per Acre</td>
<td>11.00 per acre</td>
</tr>
<tr>
<td>TOTAL CASH COSTS</td>
<td>88.78 per Acre</td>
<td>102.82 per acre</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depreciation</th>
<th>Sample Costs</th>
<th>My Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irrigation system and well: $240 cost, 10 yrs.</td>
<td>24.00 per Acre</td>
<td>27.00 per acre</td>
</tr>
<tr>
<td>Tracklayer: 3 hrs. @ $1.80</td>
<td>5.40 per Acre</td>
<td>6.00 per acre</td>
</tr>
<tr>
<td>Wheel tractor: 1 5/6 hrs. @ 60¢</td>
<td>1.10 per Acre</td>
<td>1.30 per acre</td>
</tr>
<tr>
<td>Equipment except tractors: $48 cost, 12 yrs.</td>
<td>4.00 per Acre</td>
<td>5.00 per acre</td>
</tr>
<tr>
<td>TOTAL DEPRECIATION</td>
<td>34.50 per Acre</td>
<td>40.00 per acre</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Interest on Investment at 6%</th>
<th>Sample Costs</th>
<th>My Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irrigation system and well: 1/4 cost $120</td>
<td>7.20 per Acre</td>
<td>8.00 per acre</td>
</tr>
<tr>
<td>Tracklayer: 3 hrs. @ $1.00</td>
<td>3.00 per Acre</td>
<td>4.00 per acre</td>
</tr>
<tr>
<td>Wheel tractor: 1 5/6 hrs. @ 30¢</td>
<td>.55 per Acre</td>
<td>.75 per acre</td>
</tr>
<tr>
<td>Equipment: 1/2 cost $24</td>
<td>1.44 per Acre</td>
<td>2.00 per acre</td>
</tr>
<tr>
<td>Land: $550</td>
<td>33.00 per Acre</td>
<td>40.00 per acre</td>
</tr>
<tr>
<td>TOTAL INTEREST ON INVESTMENT</td>
<td>45.19 per Acre</td>
<td>52.00 per acre</td>
</tr>
<tr>
<td>TOTAL COST OF PRODUCTION</td>
<td>168.47 per Acre</td>
<td>196.82 per acre</td>
</tr>
</tbody>
</table>

Sample Costs at Varying Yields

<table>
<thead>
<tr>
<th>Yield: Lbs. Per Acre</th>
<th>1750</th>
<th>2000</th>
<th>2250</th>
<th>2500</th>
<th>2750</th>
<th>3000</th>
<th>3250</th>
<th>3500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash Costs Per Ton</td>
<td>$100.43</td>
<td>$88.18</td>
<td>$78.65</td>
<td>$71.02</td>
<td>$64.79</td>
<td>$59.59</td>
<td>$55.19</td>
<td>$51.42</td>
</tr>
<tr>
<td>Total Cost Per Ton</td>
<td>$191.51</td>
<td>$167.87</td>
<td>$149.48</td>
<td>$134.78</td>
<td>$122.74</td>
<td>$112.71</td>
<td>$104.23</td>
<td>$96.95</td>
</tr>
</tbody>
</table>

UC Cooperative Extension
NOTES ON SAFFLOWER
Cost Analysis Work Sheet

L. K. Stromberg - E. A. Yeary
Farm Advisors

Soils - Safflower seems to be best adapted to deep fine-textured soils, free of excessive salts or alkali.

Seeding - Safflower should be planted in rows about 30 inches apart. The planting beds should be high enough to prevent flooding across the rows.

Irrigation - Best results are obtained where the soil is wetted to 10 or 12 feet by the pre-irrigation. One or two crop irrigations may be profitable. All irrigations should be completed before bloom. Later irrigations may induce excessive root rot.

Fertilization - About 80 to 100 pounds of nitrogen per acre applied before planting probably is adequate.

Economics - Where expensive wells are the source of water, well depreciation and interest will combine with interest on land to place the total costs of production above the reasonably expected returns except at higher than usual production.

The cash costs of production, however, will usually be less than the expected income for average production. Where more water is available than is needed for summer growing crops it may be profitable to grow safflower even though the returns will be less than total costs. This is true because the depreciation, interest, and taxes on wells, land and equipment still continues whether or not the land is producing.

Rotations - Because of diseases, chiefly rust, it is not advisable to follow safflower with safflower.

--------

April 4, 1966

Farm & Home Advisors' Office
1720 S. Maple Ave.
Fresno, Calif.

Co-operative Extension work in Agriculture and Home Economics, U.S. Department of Agriculture, University of California and County of Fresno Co-operating.

UC Cooperative Extension