Cost Analysis Worksheet

GARLIC

Southern San Joaquin Valley
1975
COST ANALYSIS WORK SHEET - GARLIC - SOUTHERN SAN JOAQUIN VALLEY - 1975
BASED ON A YIELD OF 6 TONS PER ACRE FIELD RUN

Man labor at $2.80 per hour total, irrigator $3.20 and equipment operator $3.60 including Social Security and Workman's Compensation Insurance. 90 h.p. crawler tractor per hour cash costs $7.00, depreciation $5.00 and interest $2.50. 50 h.p. wheel tractor $2.10, $1.24 and 62¢, 70 h.p. wheel tractor $2.95, $1.04 and 52¢. 120 h.p. 4-wheel drive diesel $4.80, $2.00 and $1.00. Costs are figured on a 12 month basis, although garlic may only occupy the land for up to 75% of the year.

<table>
<thead>
<tr>
<th>Sample Costs</th>
<th>My Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acre</td>
<td>Ton</td>
</tr>
</tbody>
</table>

Pre-Harvest Cash Costs:
- Disc 2X: 1 hr. crawler tractor $10.60
- Chisel 2X: 1 hr. crawler tractor 10.60
- Landplane 2X: 1 hr. crawler tractor 10.60
- List and fertilize: 1 hr. 120 h.w.d. tractor 8.40
- 500 lbs. material @ $2.10/ton 52.50
- Shape beds and plant: 1/3 hr. per acre, 3 men & 70 h.p. wheel tractor 4.05
- Irrigate 12X: 3 1/2 ft. water @ $15.00 plus booster pump @ $2/ac. ft. 59.50
- labor: 3/4 hr. per time 28.80
- fertilizer: 150 lbs. N at 15¢ 22.50
- Cultivate 5X: 2 hr. 70 h.p. wheel tractor 13.10
- Hand weeding and herbicide total 110.00
- Rent (12 months basis) 100.00
- Supervision 12.00
- Misc. labor, materials, inc. 1 hr. 50 h.p. wheel tractor 11.00
- Repairs to equipment except tractors 12.00
- Office, car, operating capital, business costs 49.54

TOTAL PRE-HARVEST CASH COSTS $515.19 $ 85.86

Harvesting Costs:
- Total harvest - equip. & labor @ $.03/lb. $360.00

TOTAL HARVESTING COSTS $360.00 $ 60.00

TOTAL CASH COSTS $875.19 $ 145.86

Depreciation:
- 70 h.p. wheel tractor, 2 1/3 hrs. @ $1.04 $ 2.43
- 120 h.w.d., 1 hr. @ $2.00 2.00
- 90 h.p. crawler tractor, 3 hrs. @ $5.00 15.00
- 50 h.p. wheel tractor, 1 hr. @ $1.24 1.24
- Other equipment: $90.00 - 10 years 9.00

TOTAL DEPRECIATION $ 29.67 $ 4.95

Interest on Investment at 5%:
- 70 h.p. wheel tractor, 2 1/3 hrs. @ 52¢ $ 1.21
- 120 h.w.d., 1 hr. @ $1.00 1.00
- 90 h.p. crawler tractor, 3 hrs. @ $2.50 7.50
- 50 h.p. wheel tractor, 1 hr. @ 62¢ .62
- Other equipment 1/2 cost $45 3.60

TOTAL INTEREST ON INVESTMENT (tenant) $13.93 $ 2.32

TOTAL COST OF PRODUCTION (tenant) $918.79 $ 153.13

Processor furnishes the seed & grower pays harvest cost of $.03/lb.

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### SAMPLE COSTS OF PRODUCTION PER TON AT VARYING YIELDS

<table>
<thead>
<tr>
<th>Yield:</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tons Per Acre</td>
<td>4</td>
</tr>
<tr>
<td>Cash Costs of Production</td>
<td>188.80</td>
</tr>
<tr>
<td>Total (tenant) Cost of Production</td>
<td>199.71</td>
</tr>
</tbody>
</table>

### SAMPLE TENANT COST PER TON AT THE INDICATED YIELDS WITH VARYING WATER COSTS

<table>
<thead>
<tr>
<th>YIELDS:</th>
<th>Total costs per ton at indicated water cost per acre foot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tons Per Acre</td>
<td>$ 5.00</td>
</tr>
<tr>
<td>4</td>
<td>189.21</td>
</tr>
<tr>
<td>5</td>
<td>163.36</td>
</tr>
<tr>
<td>6</td>
<td>146.14</td>
</tr>
<tr>
<td>7</td>
<td>133.83</td>
</tr>
<tr>
<td>8</td>
<td>124.60</td>
</tr>
</tbody>
</table>

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