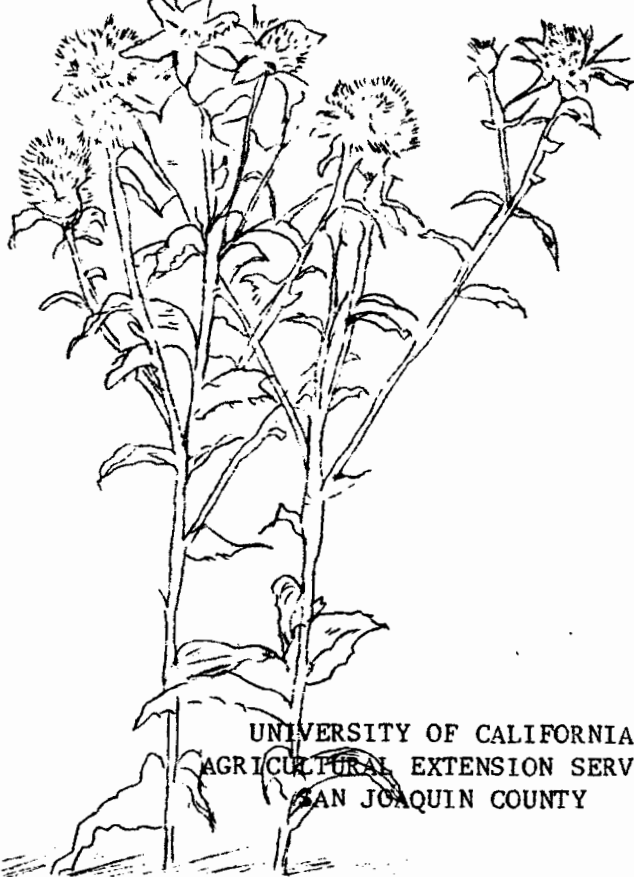


SAMPLE COSTS TO GROW  
SAFFLOWER  
IN  
SAN JOAQUIN COUNTY



UNIVERSITY OF CALIFORNIA  
AGRICULTURAL EXTENSION SERVICE  
SAN JOAQUIN COUNTY

SAMPLE COSTS TO PRODUCE SAFFLOWER ON DELTA AREA MINERAL SOILS  
in San Joaquin County

By  
Franz Kegel, Farm Advisor, and Philip S. Parsons, Extension Economist

- 1) 100 acres of safflower for a grower tooled up to irrigated row crops such as tomatoes or sugar beets on a 300-acre operation is assumed.
- 2) 3,000 lbs. yield is assumed.
- 3) Hourly cash rates: Tractor driver \$1.50, irrigation and other labor \$1.25
- 4) Tractor cash costs: 60 H.P. Crawler \$3.00 per hour  
30 H.P. Wheel \$1.00 per hour

Operation	Cash and Labor Cost per Acre				
	Hours: per Acre	Labor	Fuel and Repair	Materials	Total
Cultural:	:	:	:	:	:
Plow 1x	.5	.75	1.65		\$ 2.40
Disk 2x	.5	.75	1.70		2.45
Furrow out	.33	.50	1.04		1.54
Open & close syphon ditches	.15	.23			.23
Hand ditch work & irrigate	1.0	1.25		1/2 A./ft. @ \$3.75	1.87 3.12
Disk 2x with harrow	.5	.75	1.73		2.48
Pre-fertilize	.33	.50	1.00	Appli. rent @ .50/A 85# N @ .10/lb.	9.00 10.50
Plant 12" grain drill	.5	.75	.53	50# seed/A. @ .0875/#	4.38 5.66
Harrow for weed control 4x	.8	1.28	.88		2.16
Misc. 5% of cash	.5	.75	.60		.88 2.23
<b>TOTAL CULTURAL COST</b>		<b>7.51</b>	<b>9.13</b>		<b>16.13 32.77</b>
Harvest:	:	:	:	:	:
Combine				Contract @ \$8/T.	12.00
Haul				Contract @ .10/100	3.00
<b>Total Harvest</b>					<b>15.00</b>
<b>Total Cost Before Rent</b>					<b>47.77</b>
Interest on investment (equipment) @ 6%					2.96
Depreciation on equipment \$99 value per acre					7.27
Total rent at 1/3 = 1,000 lbs. @ \$80/T.					40.00
<b>Total Cost per Acre</b>					<b>98.00</b>
<b>Cost per ton @ 1 1/2 yield - 64.66</b>					<b>98.00</b>

Comments to Sample Costs

1. Labor costs are assumed to include Social Security and Compensation Insurance costs.
2. Interest and depreciation costs are based on \$28,000 worth of machinery and equipment.
3. Following some crops fewer operations may suffice to produce a good seedbed.
4. In some locations or after a very wet winter the pre-irrigation might be omitted.
5. No chemical weed control is mentioned in the operation. Some preplant materials have shown merit in very weedy conditions. No post emergence materials have proven out satisfactory to date. An effective inexpensive herbicide would permit use of land now unsuited to safflower because of weeds.
6. Some growers in the delta must add the expense of controlling weeds in irrigation and drainage ditches.

GROWER RETURN UNDER VARIOUS YIELDS AND PRICES FOR SAFFLOWER

		Price per ton				
Yields Lbs./A		75	80	85	90	95
1500	Gross Income	56.25	60.00	63.75	67.50	72.00
	Cost	<u>69.25</u>	<u>70.50</u>	<u>71.75</u>	<u>73.00</u>	<u>74.25</u>
	Profit	- 13.00	- 10.50	- 8.00	- 5.50	- 2.25
2000	Gross Income	75.00	80.00	85.00	90.00	95.00
	Cost	<u>77.75</u>	<u>79.40</u>	<u>81.05</u>	<u>82.70</u>	<u>84.35</u>
	Profit	- 2.75	+ .60	+ 3.95	+ 7.30	+ 10.65
2500	Gross Income	93.75	100.00	106.25	112.50	118.75
	Cost	<u>87.00</u>	<u>89.10</u>	<u>91.20</u>	<u>93.30</u>	<u>95.40</u>
	Profit	+ 6.75	+ 10.90	+ 15.05	+ 19.20	+ 23.35
3000	Gross Income	112.50	120.00	127.50	135.00	142.50
	Cost	<u>95.50</u>	<u>98.00</u>	<u>100.50</u>	<u>103.00</u>	<u>105.50</u>
	Profit	+ 17.00	+ 22.00	+ 27.00	+ 32.00	+ 37.00
3500	Gross Income	131.25	140.00	148.75	157.50	166.25
	Cost	<u>104.00</u>	<u>106.90</u>	<u>109.80</u>	<u>112.70</u>	<u>115.60</u>
	Profit	+ 27.25	+ 33.10	+ 38.95	+ 44.80	+ 50.65
4000	Gross Income	150.00	160.00	170.00	180.00	190.00
	Cost	<u>112.50</u>	<u>115.80</u>	<u>119.10</u>	<u>122.40</u>	<u>125.70</u>
	Profit	+ 37.50	+ 44.20	+ 50.90	+ 57.60	+ 64.30

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