

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¢.

	<u>Sample Costs</u>		<u>My Costs</u>	
	<u>Per Acre</u>	<u>Per Ton</u>	<u>Per Acre</u>	<u>Per Ton</u>
<u>PRE-HARVEST CASH COSTS</u>				
Plow 1 x: 1 hr. man & tracklayer	5.40			
Disc 3 x: 3/4 hr. man & tracklayer	4.05			
Chisel 1 x: 1 hr. man & tracklayer	5.40			
List beds: 1/3 hr. man & wheel tractor	.93			
Irrigate: 1 pre & 1 crop; 3 hrs. labor	3.90			
water: 2½ ac. ft. @ \$10	25.00			
Disc: 1 x: ½ hr. man & tracklayer	1.35			
Fertilize: 100 lbs. N @ 7¢	7.00			
application: total cost	1.80			
Plant: seed; 20 lbs. @ 8¢	1.60			
½ hr. per acre, 2 man & wheel tractor	2.05			
Cultivate & furrow 2 x: 1 hr. man & wheel tractor	2.80			
County taxes	8.50			
Repairs to equipment except tractors	4.00			
Misc. expenses; auto, office, oper. capital, etc.	6.00			
TOTAL PRE-HARVEST CASH COSTS	79.78	63.82		
<u>HARVESTING COSTS</u>				
Combine harvest	6.00			
Haul; est. 12¢ per cwt.	3.00			
TOTAL HARVESTING COSTS	9.00	7.20		
TOTAL CASH COSTS	88.78	71.02		
<u>DEPRECIATION</u>				
Irrigation system and well: \$240 cost, 10 yrs.	24.00			
Tracklayer: 3 hrs. @ \$1.80	5.40			
Wheel tractor: 1 5/6 hrs. @ 60¢	1.10			
Equipment except tractors: \$48 cost, 12 yrs.	4.00			
TOTAL DEPRECIATION	34.50	27.60		
<u>INTEREST ON INVESTMENT AT 6%</u>				
Irrigation system and well: ½ cost \$120	7.20			
Tracklayer: 3 hrs. @ \$1.00	3.00			
Wheel tractor: 1 5/6 hrs. @ 30¢	.55			
Equipment: ½ cost \$24	1.44			
Land: \$550	33.00			
TOTAL INTEREST ON INVESTMENT	45.19	36.16		
TOTAL COST OF PRODUCTION	168.47	134.78		

Sample Costs at Varying Yields

Yield: Lbs. Per Acre	Average					Exceptional			
	1750	2000	2250	2500	2750	3000	3250	3500	
Cash Costs Per Ton	\$100.43	88.18	78.65	71.02	64.79	59.59	55.19	51.42	
Total Cost Per Ton	191.51	167.87	149.48	134.78	122.74	112.71	104.23	96.95	

NOTES ON SAFFLOWER
Cost Analysis Work Sheet

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- 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.

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