

SAMPLE COSTS
TO PRODUCE
SAFFLOWER
IN THE LOWER
SACRAMENTO VALLEY
1974

Prepared by:

D. Marlin Brandon, Farm Advisor, Colusa County
John F. Williams, Farm Advisor, Sutter-Yuba Counties
Jack P. Orr, Farm Advisor, Sacramento County
Thomas E. Kearney, Farm Advisor, Yolo County
L. A. Horel, Research Associate, Davis
A. D. Reed, Extension Economist, Davis

COOPERATIVE EXTENSION

UNIVERSITY OF CALIFORNIA

SAMPLE COSTS TO PRODUCE SAFFLOWER
Lower Sacramento Valley - 1974

based on 200 acres of safflower on a 1,000 acre ranch. Yield: 1.25 tons. Labor rates including fringe benefits \$3.50 and \$2.60 per hour.

Operation	Hours per acre	Cash and labor cost per acre				Total
		Labor	Fuel & repairs	Kind and quantity	Cost	
dollars						
<u>Cultural Costs</u>						
Disc 2X	.3	1.15	2.30			3.45
Harrow 2X	.2	.70	1.35			2.05
Herbicide				Treflan 2 qt.	16.35	16.35
Fertilize	.2	.70	.65	150# N @ \$.25	37.50	38.85
Roll 2X (cultipack)	.2	.70	.60			1.30
Starter fertilizer				4-10-10 30 gal. Application	23.55 2.00	25.55
Drill seed	.2	.70	.95	50# @ \$.23	12.50	14.15
Misc.	.5	1.75	1.05			2.80
Crop loan interest					1.80	1.80
TOTAL CULTURAL COSTS		5.70	6.90		93.70	106.30
<u>Harvest Costs</u>						
Combine				Contract 1.25 ton @ \$8.00	10.00	
Haul				Contract 1.25 ton @ \$2.50	3.15	
TOTAL HARVEST COSTS						13.15
<u>Cash Overhead</u>						
Misc., office, etc.					4.55	
Taxes					.90	
Rent				25% of 1.25 ton @ \$300	93.75	
TOTAL CASH OVERHEAD						97.80
TOTAL CASH COST		5.70	6.90		206.05	218.65
Management 5% of 1.25 tons @ \$300/ton						18.75
<u>Investment</u>						
	<u>Per Acre</u>	<u>Annual Cost</u>				
		<u>Depreciation</u>	<u>Interest 8%</u>			
Equipment	\$90	\$9.00	\$3.60			
Total				12.60		
TOTAL COST PER ACRE				250.00		
Cost per ton @ 1.25 ton yield				200.00		

COST OF PRODUCTION AT VARYING YIELDS

Yield per acre-tons	.50	.75	1.00	1.25	1.50	1.75	2.00
Production cost per ton	\$349.22	\$266.32	\$224.87	\$200.00	\$183.42	\$171.58	\$162.70

SAFFLOWER CULTURAL BRIEFS

Areas of Adaptation: Soils with high water holding capacity and subirrigated soils.

Planting Dates: February 15 - March 25 optimum.

Harvest Dates: August and September. When seed moisture is about 8%.

Soil Requirements: Deep, well drained soils with high water holding capacity.

Varieties: Many private varieties; several UC varieties, such as UC-1, Gila, US-10, etc.

Seeding Rates: 20-25 lb/A in 20 inch rows 30-50 lb/A drilled.

Fertilization: 40-150 lb/A nitrogen, depending on previous crop, soil type and moisture conditions. 15-20 lb/A phosphorus in deficient areas.

Irrigation: Sub-irrigated or none in our area. If irrigation is contemplated plant on beds. This is done successfully in some areas. Adequate drainage is essential for irrigating safflower.

Yield: 1,000-4,000 lb/A.

Insect Problems: Usually not serious on early planted. Late plantings may be damaged by lygus bugs and thrips.

Disease Problems: Rust if planted on same soil two years in succession. Verticillium wilt in some areas. Phytophthora root rot in irrigated areas. Fusarium and botrytis blight may be occasional problem.

Weed Control: Trifluralin and EPTC may be used pre-plant soil incorporated. Harrowing when plants are 3-6 inches tall. Cultivation of row planted safflower.

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