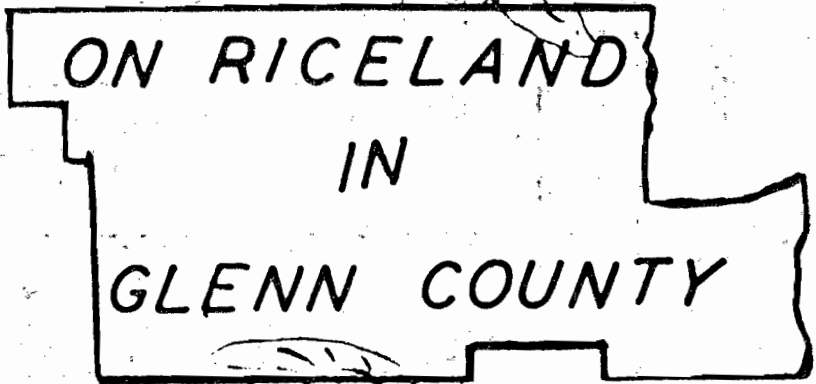
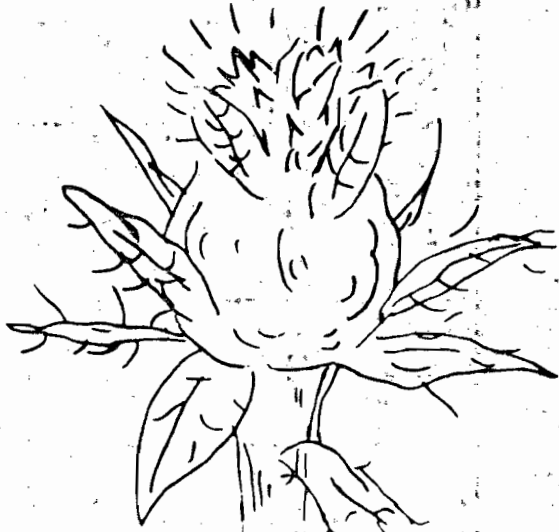


SAFFLOWER

PRODUCTION COSTS



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SAMPLE COSTS TO PRODUCE SAFFLOWER ON RICELAND IN GLENN COUNTY

YIELD: 1,800 cwt. Year: 1967

Operation	Hours per Acre	Labor	Fuel and Repairs	Description of Materials	Total Materials	Total	Your Cost per Acre
Cultural costs							
Stubble Disc	.40	\$.80	\$ 1.28			\$ 2.08	
Landplane 2X (every other year)	.30	.60	1.22			1.82	
Disc 2X	.40	.80	1.52			2.32	
Fertilize	.25	.50	.51	80 lbs. N @ 9¢	\$ 7.20	8.21	
Harrow 2X	.20	.40	.33			.73	
Drill	.25	.50	.46	20 lbs. @ 11¢	\$ 2.20	3.16	
TOTAL CULTURAL COSTS	\$ 1.80	\$3.60	\$ 5.32		\$ 9.40	\$18.32	
Harvest costs							
Combine	.30	.60	1.93			2.33	
Bankout and haul to warehouse (one man)	.30	.60	.44	Hauling @ 5¢ cwt	.92	1.96	
Shipping Charges \$3/Tn					2.76	2.76	
TOTAL HARVEST COSTS	\$.60	\$1.20	\$ 2.17		\$ 3.68	\$ 7.05	
Cash overhead							
Misc., office, etc.						\$ 1.27	
Taxes & Insurance						\$12.47	
TOTAL CASH OVERHEAD						\$13.74	
TOTAL CASH COST						\$39.11	
Management:				5% of 1,800 lbs. @ \$90/Ton		\$ 4.05	
INVESTMENT	Per Acre	Annual Cost					
		Depreciation Interest					
Land	\$650.00 (w/o Rice Units)		\$39.00				
Equipment & Bldg.	\$206.56	\$21.13	\$ 6.24				
Total	\$856.56	\$21.13	\$45.24			\$66.37	
TOTAL COST PER ACRE						\$109.53	
Cost Per Cwt.	@ 1,800 yield					\$ 6.09	

Sample Costs Per Cwt. at Varying Yields

Yield - lbs./acre	1,000	1,400	1,800	2,200	2,600	3,000
Cash & Management Cost/cwt.	\$ 3.94	\$2.95	\$2.40	\$2.04	\$1.80	\$1.62
Investment Cost/cwt.	\$ 6.64	\$4.74	\$3.69	\$3.02	\$2.55	\$2.21
Total Cost/cwt.	\$10.58	\$7.69	\$6.09	\$5.06	\$4.35	\$3.83

BASIS OF SAFFLOWER COST STUDY

1. The cost study is based on a 600 acre operation with 300 acres of rice being the basic crop. In addition, 150 acres of safflower and 150 acres of grain or other crops are grown. While all of the equipment listed would not be needed if only safflower were grown, that listed is the basic equipment for this operation. A second combine would probably be needed considering the rice acreage and could be owned or some of the rice customed harvested, but would not be necessary for the safflower and is not listed.
2. In allocating the equipment cost per acre in the equipment list the following calculations were made: (a) "Original cost" of equipment is the estimated new cost. (b) "Original cost per acre" is the new cost divided by the number of acres the equipment will be used on. (c) "Depreciation" is based on the "per acre cost" divided by the expected life of the equipment. (d) "Interest on investment" is figured on one-half of the new cost per acre multiplied by 6%. Land is not considered a depreciable item and interest on it is figured at 6% of the full value.
3. Miscellaneous expenses have been found to be about 5% of the total cultural and harvest costs. They include such costs as preparing roadways, general weed control, office, bookkeeping, interest on operating money, etc.
4. Labor costs are based on a \$2.00 hourly rate. Included are cash wages, ~~compensation insurance, social security and other benefits that the~~ employer must pay.
5. Equipment operating costs are listed on fuel and repair. Included is the cost of fuel, maintenance, replacement parts, tires, etc. Tractor charges per hour are: 55 H.P. crawler diesel, \$2.04; 40 H.P. crawler diesel \$1.24; 40 H.P. wheel diesel, \$1.02. (Horsepower is based on 75% of maximum).
6. Management (what the grower's decision making is worth) is figured at 5% of the market value of the crop.
7. Four Glenn County growers who grow both safflower and rice furnished the basic information for this study. Appreciation is expressed to these growers.

REMEMBER, this cost study is based on a rice operation where safflower is included as a rotation crop. Investment costs for a rice operation require extensive equipment which is used in safflower production as a result of being available due to the basic rice operation. It is suggested growers would normally base their decision to grow safflower on the cash plus management cost rather than total costs. Such costs represent slightly over \$40.00 per acre.

EQUIPMENT AND BUILDING LIST

Item	Original Cost		Years Life	Annual Use (Acres)	Non-Cash Overhead	
	Total	Per Acre			Depreciation	Interest at 6%
Crawler Tractor 55 H.P. - Diesel	\$21,500	\$35.84	15	600	\$2.19	\$1.08
Crawler Tractor 40 H.P. - Diesel	14,000	23.34	15	600	1.56	.70
Wheel Tractor 40 H.P. - Diesel	6,000	10.00	15	600	.67	.30
Disc, Stubble - 12 ft.	4,500	7.50	10	600	.75	.23
Disc, Offset - 18 ft.	3,500	5.84	10	600	.59	.18
Plow, Cook - 14 ft.	1,800	3.00	10	600	.30	.09
Harrow, Spike - 40 ft.	650	1.09	10	600	.11	.04
Harrow, Spr. Tooth 24 ft.	500	.84	10	600	.09	.03
Drill - 12 ft.	1,250	4.17	10	300	.42	.13
Landplane, 14'x30' (3 wheel)	2,200	3.67	10	600	.37	.11
Tool Carrier	1,750	2.92	10	600	.30	.09
Bankout Wagon	7,000	11.67	10	600	1.17	.35
Combine, SP - 16 ft. (With Tracks)	21,000	70.00	8	300	8.75	2.10
Truck - 2 Ton	5,500	9.17	8	600	1.15	.28
Pickup - 1/2 Ton	3,000	5.00	3	600	1.67	.15
Shop Tools	2,500	4.17	10	600	.42	.13
Building	5,000	8.34	20	600	.42	.25
TOTALS	\$101,650	\$206.56			\$21.13	\$6.24

The sample costs to produce safflower on riceland in Glenn County as outlined in this pamphlet are basically sample costs as adapted from information furnished by growers. Specific operation and sequence of operations vary from grower to grower and year to year. A column is provided on the cost sheet for growers to calculate their costs and insert them for comparison.

Safflower is grown under contract or through arrangements with a marketing agency. Contracting or marketing outlets are readily available in Glenn County.

Circular 532, "Safflower," is available at the Farm Advisors' office and gives detailed information on growing safflower.

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