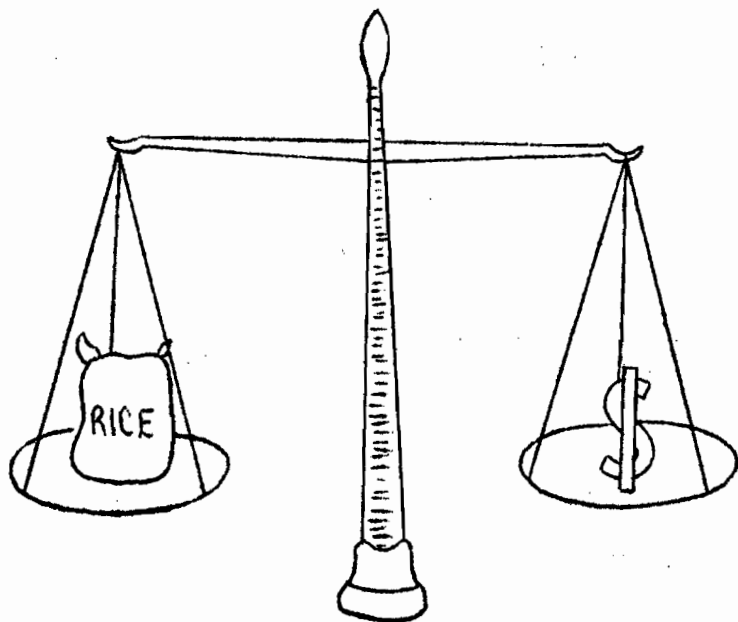


SAMPLE COSTS

RI-SV-72-2

RICE PRODUCTION

BUTTE COUNTY



University of California
Agricultural Extension Service
Butte County

June 1972

UC Cooperative Extension

SAMPLE COSTS OF PRODUCTION

Butte County

June 1972

The costs of production figures, amounts of materials used and yields shown in this study are not intended to reflect averages or recommendations but are based on a typical 300-acre rice operation (two varieties--one early and one late) on a 500-acre farm (100 acres grain or safflower and 100 acres fallow) in Butte County.

A column is provided for growers to list their own costs of production which will reflect their individual operation.

Cultural practices, equipment, size of operation, soils and grower preference within a given area will vary for each farming operation.

It is intended that this cost of production information can be used by growers to evaluate their own operation and in budgeting cash expenses.

Growers who include additional cultural practices in their operation should increase the costs approximately:

... \$15.50 per acre applied for iron-containing materials if needed.

... \$3.12 per acre plus application for zinc-containing materials if needed.

... \$1.00-\$1.50 per acre for pest control when necessary. (Blackbirds, coots, muskrats, etc.)

... \$2.80-\$4.20 plus application for tadpole shrimp and algae control if needed. (per acre)

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Miscellaneous overhead is obtained by taking 6 percent of the total harvest and cultural costs.

Interest on investments is figured at 7 percent* of one-half the original cost except on land which is figured at full value. Depreciation, in this study is based on 10-year useful life of all items except buildings, which are based on 30-year useful life--and other items as noted**.

Investment in equipment reflects current market prices for new equipment shown in the inventory (except where used items are noted).

Growers with a cash investment in rice units may wish to include 7 percent* interest on this investment as a production cost.

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and growers representing rice-producing areas within Butte County and agri-business representatives.

* If the money is borrowed on today's market a higher interest would be required.

Skilled labor \$2.50/hr.
Includes Fringe Benefits

SAMPLE COSTS TO
PRODUCE RICE

Based on 300 acres of rice with 5200 lbs. dry yield per acre
(two varieties--one early and one late) plus 100 acres of grain or
safflower and 100 acres of fallow on a 500-acre diversified farm.

Operation	Hours Per Acre	Labor and Cash Costs Per Acre			Total	My Production Costs
		Labor	Fuel and Repairs	Materials, Etc.		
Cultural costs:						
Plow (Moldboard) or (Off-set stubble disc plow)	.5	1.25	2.73		3.98	_____
+	+					
Disc (Off-set disc harrow) or (Chisel plow)	.2	.50	1.52		2.02	_____
Disc--off-set disc harrow (each operation)	.2	.50	1.52		2.02	_____
Float (drag) between levees (optional)	.2	.50	.92		1.42	_____
Fertilize (aerial applied)	(100 lbs. N plus 50 lbs. P ₂ O ₅)			13.25		
				Application 4.75	18.00	_____
Incorporate fertilizer (disc or heavy-duty spiketooth harrow)	.2	.50	1.52		2.02	_____
Insect Control: Rice water weevil (treat approximately 1/6 of total acreage)			Material 1/6 of \$5.25	.88		
			Application 1/6 of \$1.75	.29	1.17	_____
Close and maintain levees	.1	.25	.46		.71	_____
Flood and irrigate	1.0	2.50	7.2 acre-feet @ \$1.80	12.96	15.46	_____
Seed (aerial applied) Treat and soak (contract)			Contract	2.00		
			Seed 135 lbs. @ 7.25¢	9.79		
			Treat & soak @ 90¢ cwt	1.21		
			Haul @ 10¢ cwt	.14	13.14	_____
Insect Control: Rice leafminer and/or tadpole shrimp			Application	1.00		
			Material	.18	1.18	_____
Weed Control (broadleaf--aerial applied)			Application	1.50		
(barnyardgrass--aerial applied) (Treat approximately 1/4 of the total acreage)			Material	1.44	2.94	_____
			Application	.38		
			Material	3.15	3.53	_____
Move crawler tractor--contract			\$25/move (two crawlers, two moves ea.)	.33	.33	_____
TOTAL CULTURAL COSTS		6.00	8.67	53.25	67.92	
Harvest:						
Drain and open levees	.2	.50	.92		1.42	_____
Combine	.75	3.00	9.78		12.78	_____
Bankout	1.0	3.25	3.97		7.22	_____
Haul to dryer	1.0	2.50	5.24		7.74	_____
Dry, contract, 5700 lbs. Paddy @ .25/cwt 22% moisture				14.00	14.00	_____
Move harvester, contract, \$25/move (two moves)				.17	.17	_____
TOTAL HARVEST COSTS		9.25	19.91	14.17	43.33	
TOTAL HARVEST AND CULTURAL COSTS		15.25	28.58	67.42	\$111.25	

TOTAL HARVEST AND CULTURAL COSTS	\$111.25
Cash Overhead:	
Miscellaneous, office, insurance, etc.	6.74
Taxes (land, headquarters and equipment)	17.66
<u>Total Cash Overhead</u>	<u>\$24.40</u>
<u>Total Cash Costs</u>	<u>\$135.65</u>

Management = 5% of 5200 lbs. (@ \$5.00/cwt = \$260.00) 13.00

	<u>Per Acre</u>	<u>Depreciation</u>	<u>Interest 7%</u>	
Investment:				
Land	\$500.00		\$35.00	
Headquarters (shop and equipment storage)	30.00	\$ 1.00	1.05	
Equipment	345.00	34.50	12.08	
Field establishment (landplane, survey, mark contours, pull levees--irrigation boxes and installations 3-year life**)	5.92	1.97	.21	
Drains and boundary roads, 15-year life**	1.92	.13	.07	
<u>Total</u>	<u>\$882.84</u>	<u>\$37.60</u>	<u>\$48.41</u>	<u>\$86.01</u>
TOTAL COST OF PRODUCTION - Cash costs plus fixed costs				\$234.66
Costs per cwt				\$4.51

NOTES: _____

Equipment Inventory

		Acres Used
Crawler tractor (72-96 hp) + dozer blade	\$ 38,552	(500)
Crawler tractor (72-96 hp)	30,044	(500)
Chisel plow 16'	1,800	(500)
Off-set disc plow (stubble plow) 12'	6,500	(500)
Off-set disc harrow 21'	4,834	(500)
Moldboard plow 6-16" (two) \$2,250 ea.	4,500	(500)
Harvester SP 16'	33,000	(400)
Bankout SP 150 sacks	11,500	(400)
Implement carrier	2,048	(500)
Land plane 12' x 60'	6,684	(500)
Spiketooth harrow - heavy duty 20'	513	(500)
Pickup 4-wheel drive	5,000	(500)
Used pickup	1,000	(500)
Used wheel tractor (28-30 hp) + 7' mower	1,250	(500)
Truck + hoist and box - 2 ton	7,800	(500)
Tools and small shop equipment	4,725	(500)
Float	525	(500)
Sprayer	1,100	(500)
Total new 1972 cost except where indicated used	\$161,375	
Equipment cost per acre based on use		\$345/Acre

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