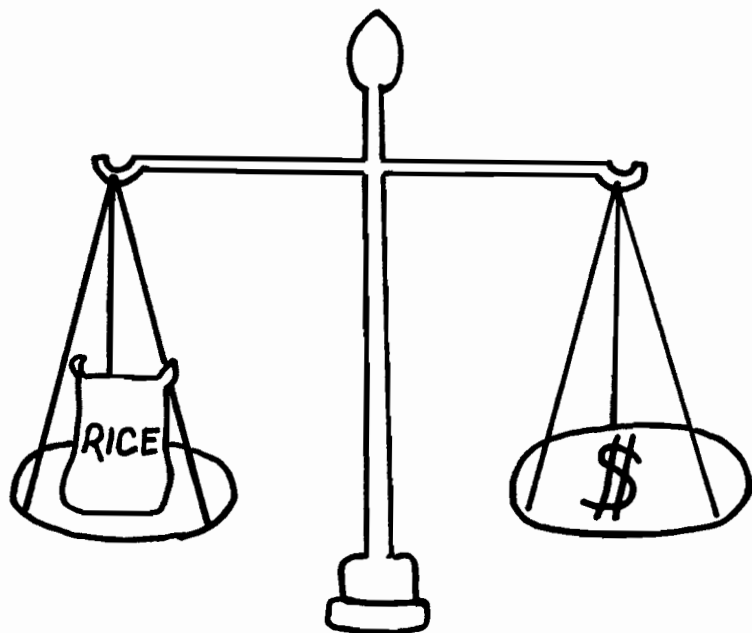


SAMPLE COSTS

RICE PRODUCTION

Butte County



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August 1977

Post-Harvest Management				
Mow levees	.03	.11	.45	.56
Clean around boxes	.07	.24	.11	.35
Safety and burning				
Water spray equipment - clean up	.05	.18	.17	.35
Burning and encroachment permit and notice				
Flag persons and safety equipment	.09	.32	.11	.43
Sanitation burning	.09	.32	.02	.34

TOTAL POST HARVEST COSTS \$ 2.03

TOTAL CULTURAL, HARVEST AND POST HARVEST COSTS \$204.88

Cash Overhead

Misc, Office, Insurance, Interest on production loan, etc. (6% of Cultural, Harvest and Post Harvest Costs)	12.30
Cash Rent - includes border roads, drains, established straight levees and irrigation boxes	\$85.00 85.00
Taxes - Headquarters and Equipment (2.5% of Investment per acre)	12.00

TOTAL CASH OVERHEAD \$109.30

TOTAL CASH COSTS \$314.18

MANAGEMENT = 5% of \$470.25 (57 cwt @ \$8.25/cwt - 1976 Target Price) \$23.50 \$ 23.50

Fixed Costs

Investment	Per Acre	Depreciation ¹	Interest 8%*	
Shop and Equipment Storage	\$ 80.00	\$ 2.65	\$ 3.20	
Equipment ¹	<u>400.00</u>	<u>41.00</u>	<u>16.00</u>	
Total	\$480.00	\$43.65	\$19.20	<u>\$ 62.85</u>

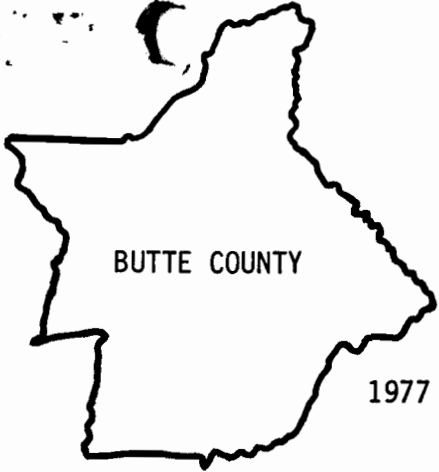
¹/Typical grower equipment value 60% of 1977 value

Total Costs of Production Per Acre (Cultural, Harvest, Post Harvest, Cash Overhead, Management and Fixed Costs)
DOES NOT INCLUDE ANY COSTS FOR RICE UNITS \$400.53/A

Total Cost per cwt at 57 cwt per acre \$ 7.00/cwt

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BUTTE COUNTY

1977 SAMPLE COSTS TO PRODUCE RICE

Based on 400 acres of rice with 5700 lbs. dry (14% moisture) yield per acre (two varieties--one early and one late) plus 100 acres of grain on a 500-acre farm. Fields leveled to grade with straight levees.

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 hypothetical 400-acre rice operation 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:

\$2.00-\$3.00 per acre for pest control when necessary (blackbirds, coots, muskrats, etc.).

\$5.50-\$8.25 per acre plus application for tadpole shrimp and algae control if needed (10-15 lbs. material).

Miscellaneous overhead in this study is obtained by taking 6 percent of the total harvest, post harvest, and cultural costs.

Interest on investment is figured at 8 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).

Taxes in this study are obtained by taking 2.5% of investment per acre.

Management (value placed on grower's decision-making) is figured at 5% of the market value of the crop.

Growers with a cash investment in rice units may wish to include 8 percent* interest on this investment as a production cost.

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

Skilled

Equipment Driver - \$5.50 per hour+

Harvester Driver - \$6.00 per hour+

Bankout Driver - \$5.00 per hour+

Irrigator-Truck

Driver - \$4.50 per hour+

Unskilled

\$3.50 per hour+

+Includes cash wages, compensation insurance, social security, supervision, recordkeeping, and any other benefits that the employer may provide.

All costs and return figures are subject to change on a day-to-day basis.

Operation	Hours Per Acre	Labor and Cash Costs Per Acre			sh Costs Total	Grower Cost/A
		Labor	Fuel and Repairs	Materials and Contract Costs		
Cultural						
Plow (Moldboard) or (Off-set disc plow)	.33	\$ 1.85	\$ 4.40	\$	\$ 6.25	
Disc (Off-set disc harrow) or (Chisel plow)	.16	.90	2.60		3.50	
Disc (Off-set disc harrow)(each operation)	.16	.90	2.60		3.50	
Float (drag) or tri-plane between levees (optional)	.16	.90	1.75		2.65	
Fertilize (contract - aerial-applied) Nitrogen		100 lbs. N @ .20		20.00	20.00	
		1.25/cwt	<u>Application</u>	6.25	6.25	
Phosphorus		50 lbs. P ₂ O ₅ @ .21		10.50	10.50	
		1.25/cwt	<u>Application</u>	3.15	3.15	
Incorporate fertilizer (disc or heavy-duty spike-tooth harrow)	.16	.90	2.60		3.50	
Insect Control: Rice Water Weevil (treat approx. 40% of total acreage @ \$4.50/acre) (contract- aerial-applied)			2.00/acre	1.80	1.80	
			<u>Application</u>	.80	.80	
Fertilize (contract applied) Zinc (treat approx. 40% of total acreage @ \$6.75/acre (contract- aerial-applied)			1.70/acre	2.70	2.70	
			<u>Application</u>	.70	.70	
Close and maintain levees	.10	.55	1.10		1.65	
Flood and irrigate	.75	3.40	.55	<u>Water</u> 13.50	17.45	
Seed - certified			135 lbs. @ \$10.75/cwt	14.50	14.50	
Treated and Soaked (contract)		Treating @ \$.80/cwt	Soaking @ \$.50/cwt	1.75	1.75	
Haul to airstrip		.17	.08	.25	.25	
Planting (contract - aerial-applied)			2.45/acre	<u>Application</u> 3.30	3.30	
Insect Control: Rice leafminer and/or Tadpole shrimp				.25	.25	
Total area treated (contract - aerial-applied)			1.25/acre	<u>Application</u> 1.25	1.25	
Weed Control: Barnyardgrass (contract - aerial- applied) (Treat approx. 85% of total acreage @ \$10.80/acre)			2.20/acre	<u>Application</u> 1.90	1.90	
Broadleaf weeds (contract - aerial- applied)(treat approx. 85% of total acreage @ \$1.10/acre)			2.85/acre	<u>Application</u> 2.40	2.40	
Fertilize - topdress (contract - aerial-applied) (approx. 60% of total acreage)		30 lbs. N @ \$.20	\$6.00/a	1.00	1.00	
		1.25/cwt	<u>Application</u>	1.85	1.85	
Move crawler tractor (contract)		\$105.00/move	two moves	.45	.45	
TOTAL CULTURAL COSTS					\$123.45	
Harvest						
Drain and open levees	.10	.55	1.10		1.65	
Combine	.75	4.50	23.65		28.15	
Bankout	1.00	5.00	9.60		14.60	
Haul to dryer	1.00	4.50	12.65		12.65	
Dry (contract) 6200 lbs. paddy (22% moisture) @.35/cwt				21.70	21.70	
Move Combine (Contract) \$130.00/ move two moves				.65	.65	
TOTAL HARVEST COSTS					79.40	

1977 EQUIPMENT INVENTORY LIST
including sales tax

		Acres <u>Used</u>	New <u>Cost/A</u>	<u>Deprec./A+</u>	<u>Interest/A*</u>
Crawler tractor (125D/Bhp) + dozer blade	\$ 80,000	500	\$ 160	\$ 16.00	\$ 6.00
4-wheel drive diesel DB/hp (200)	58,000	500	116	11.60	4.64
Chiesel plow 16'	3,200	500	6	.60	.24
Off-set disc plow (stubble plow) 14'	15,000	500	30	3.00	1.20
Off-set disc harrow 21'	10,500	500	21	2.10	.84
Moldboard plow 6-16 (two) \$6,000 each	12,000	500	24	2.40	.96
Combine SP cab + air, tracks and draper ext. 16'	58,000	500	116	11.60	4.64
Bankout SP cab + air, 150 cwt	28,000	500	56	5.60	2.24
Implement carrier	4,500	500	9	.90	.36
Spike-tooth harrow - heavy duty 20'	2,500	500	5	.50	.20
Landplane 14' X 60'	12,000	500	24	2.40	.96
Pickup - 4 wheel drive - power and air (new)	7,600	500	15	1.50	.60
Pickup - same (used) 5-year life	4,000	500	8	1.60	.32
Wheel tractor (28-30 hp) + 7' mower (used) 5 yr. life	4,200	500	8	1.60	.32
Truck - hoist and box - 2 ton	16,000	500	32	3.20	1.28
Tools and small shop equipment	6,900	500	14	1.40	.56
Tri-plane	7,200	500	14	1.40	.56
Sprayer	2,400	500	5	.50	.20
	<u>\$332,000</u>		<u>\$663</u>	<u>\$67.90</u>	<u>\$26.52</u>
Typical Grower Inventory Value 60% of 1977 Value			\$400	\$41.00	\$16.00