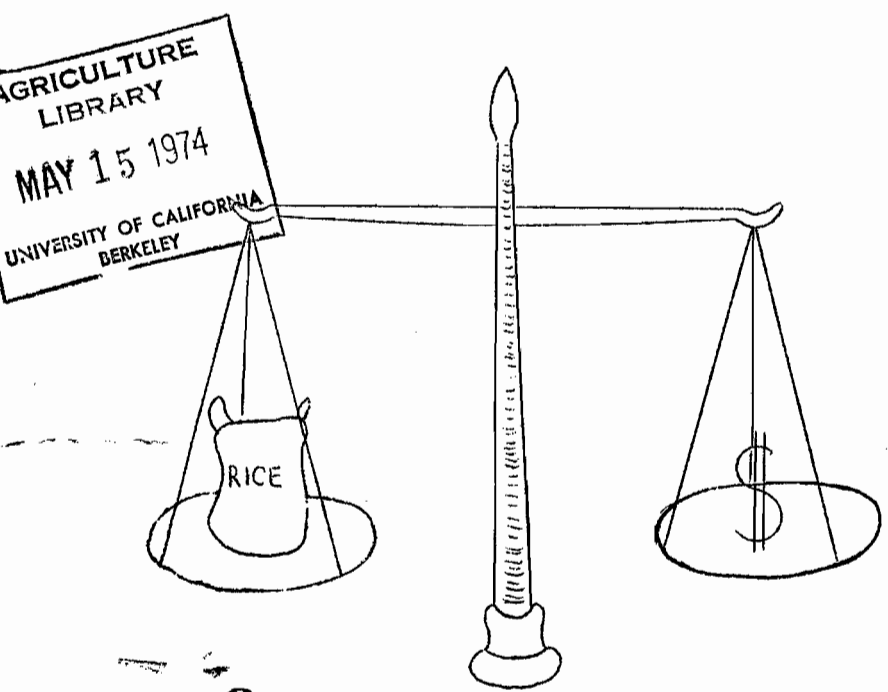


# SAMPLE COSTS

# RICE PRODUCTION

# BUTTE COUNTY



UNIVERSITY OF CALIFORNIA  
AGRICULTURAL EXTENSION SERVICE  
BUTTE COUNTY

MARCH 1974  
UC Cooperative Extension

TOTAL HARVEST AND CULTURAL COSTS

\$144.56

Cash Overhead

Miscellaneous, Office, Insurance, etc.

8.67

Taxes (land, headquarters, and equipment)

21.19

Total Cash Overhead

29.86

TOTAL CASH COSTS

174.42

Management = 5% of (5700 lbs @ \$11.50/cwt) \$655.50

32.78

	<u>Per Acre</u>	<u>Depreciation**</u>	<u>Interest 8%*</u>	
Investment				
Land	\$ 650.00		\$52.00	
Headquarters (shop and equipment storage)	36.00	\$ 1.20	1.44	
Equipment	386.00	38.80	15.52	
Field establishment (landplane, survey, mark contours, plow and pull levees, irrigation boxes and installation), 3-year life**	7.10	2.37	.28	
Drains and boundary roads, 15-year life**	2.30	.15	.09	
Total	\$1081.40	\$42.52	\$69.33	\$111.85

TOTAL Cash and Fixed Costs of Production Per Acre (cultural, cash overhead, management, and harvest)

\$319.05/A

Does not include any costs for rice units.

Total Costs per cwt at 57 cwts per acre

\$ 5.60/cwt

Operation	Hours Per Acre	Labor and Cash Costs Per Acre			My Costs Per Acre
		Labor	Fuel and Repairs	Materials and Contract Costs	
<b>Cultural</b>					
Plow (Moldboard) or (off-set stubble disc plow)	.33	\$ 1.17	\$ 2.18	\$	\$ 3.35
Disc (off-set disc harrow) or (chisel plow)	.16	.56	1.46		2.02
Disc--off-set disc harrow (each operation)	.16	.56	1.46		2.02
Float (drag) or tri-plane between levees (optional)	.16	.56	.88		1.44
Fertilize (contract-aerial applied)			(103 lbs N @ .19; 50 lbs P <sub>2</sub> O <sub>5</sub> @ .11)	25.07	
			Application	3.75	28.82
Incorporate fertilizer (disc or heavy-duty spike-tooth harrow)	.16	.56	1.46		2.02
Insect Control: Rice Water Weevil (treat approximately 1/5 total acreage--contract-aerial applied)			Material 1/5 of \$5.25	1.05	1.05
			Application 1/5 of \$2.00	.40	.40
Close and maintain levees	.1	.35	.55		.90
Flood and irrigate	.75	2.63	.26	(7.2 A-ft. @ \$1.80)	15.85
Seed (contract-aerial applied) treat and soak (contract)			Seed 135 lbs @ \$15.15/cwt	20.45	
			Treat & soak @ \$1.00/cwt	1.35	
			Haul @ \$ .12/cwt	.16	
			Application @ \$2.00/cwt	2.70	24.66
Insect Control: Rice Leafminer and/or Tadpole Shrimp (contract-aerial applied) (total area)			Material	.18	
			Application (shrimp-\$1.10/A)	1.10	1.28
Weed Control: Broadleaf (contract-aerial applied) (total area)			Material	1.80	
			Application \$1.00/A + .15/gal	2.50	4.30
Barnyardgrass (contract-aerial applied) (treat approximately 1/3 total acreage)			Material 1/3 of \$12.60	4.20	
			Application 1/3 of \$2.00/A	.66	4.86
Move Crawler Tractor (contract)			\$60/move-two moves	.40	.40
<b>TOTAL CULTURAL COSTS</b>		<b>\$ 6.39</b>	<b>\$ 8.25</b>	<b>\$78.73</b>	<b>\$ 93.37</b>
<b>Harvest</b>					
Drain and open levees	.1	.35	.55		.90
Combine	.75	3.75	11.74		15.49
Bankout	1.0	4.25	4.76		9.01
Haul to dryer	1.0	3.50	6.29		9.79
Dry (contract) 6200 lbs paddy (22% moisture) @ \$ .25/cwt				15.50	15.50
Move harvester (contract) \$75/move-two moves				.50	.50
<b>TOTAL HARVEST COSTS</b>		<b>\$11.85</b>	<b>\$23.34</b>	<b>\$16.00</b>	<b>\$ 51.19</b>
<b>TOTAL CULTURAL AND HARVEST COSTS</b>		<b>\$18.24</b>	<b>\$31.59</b>	<b>\$94.73</b>	<b>\$144.56</b>

AGRICULTURAL EXTENSION SERVICE  
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BUTTE COUNTY

1974 SAMPLE COSTS TO PRODUCE RICE

Based on 300 acres of rice with 5700 lbs. dry (14% moisture) 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. 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 typical 300-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:

\$4.00-\$7.25 per acre plus application for zinc-containing materials if needed.

\$1.20-\$1.80 per acre for pest control when necessary.  
(Blackbirds, coots, muskrats, etc.)

\$3.50-\$5.25 per acre plus application for tadpole shrimp and algae control if needed.

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

Interest on investments 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).

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.

<u>Skilled labor</u>	- \$3.50 per hour**
harvester driver	- \$5.00 per hour**
bankout driver	- \$4.25 per hour**

\*\*Includes cash wages, compensation insurance, social security, and any other benefits that the employer must pay.

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

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

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

1974 Equipment Inventory

		Acres Used	Cost/A	Depreciation** and Interest* per acre	
Crawler tractor (72-96 hp) + dozer blade	\$ 42,000	500	\$ 84	\$ 8.40	\$ 3.36
4-wheel drive diesel DB/hp (160)	27,500	500	55	5.50	2.16
Chisel plow 16'	2,000	500	4	.40	.16
Off-set disc plow (stubble plow) 14'	8,200	500	16	1.60	.64
Off-set disc harrow 21'	6,500	500	13	1.30	.52
Moldboard plow 6-16" (two) \$3500 each	7,000	500	14	1.40	.56
Harvester SP 16'	35,000	400	88	8.80	3.52
Bankout SP 150 cwt	14,000	400	35	3.50	1.40
Implement carrier	2,400	500	5	.50	.20
Spiketooth harrow--heavy duty 20'	1,000	500	2	.20	.08
Landplane 14' X 60'	8,200	500	16	1.60	.64
Pickup 4-wheel drive	6,000	500	12	1.20	.48
Pickup used** (5-year life)	1,000	500	2	.20	.08
Wheel tractor (28-30 hp) used + 7' mower** (5-year life)	1,500	500	3	.30	.12
Truck + hoist and box 2 ton	8,500	500	17	1.70	.68
Tools and small shop equipment	4,800	500	10	1.00	.40
Tri-plane	4,400	500	9	.90	.36
Sprayer	1,500	500	3	.30	.12
	\$180,500		\$388/A	\$38.80/A	\$15.52/A

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