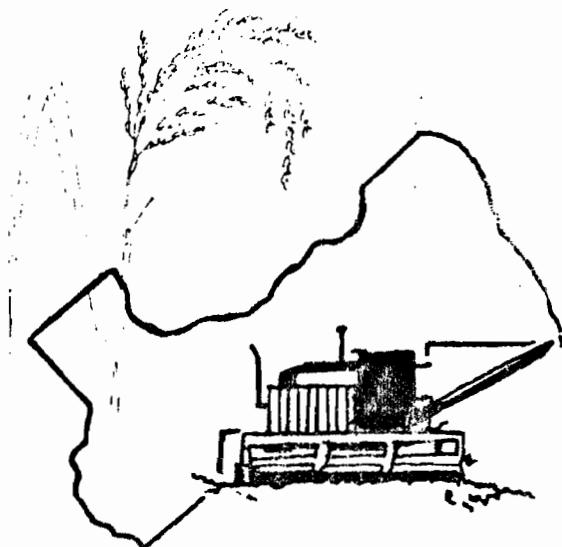


SAMPLE COSTS RICE PRODUCTION



Fresno County

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1986 SAMPLE COSTS TO PRODUCE RICE

The cost figures, amounts of materials, and yields shown in this study are not averages or recommendations. Cultural practices, equipment, size of operation, soils, and grower preference and experience will vary for each farming operation.

This cost-of-production model for rice in Fresno County, California, should not be used as an actual budget, but as a guide for growers to use when budgeting for cash expenses and figuring fixed costs. A column is provided for growers to list actual cash and fixed costs which should reflect their individual operation.

Optional Practices Several optional practices are included in the cost study and are designated by an asterisk. The cost of these practices are not included in the total cost. However, growers are urged to include them in the "Your Cost" column where applicable.

Yield A 70 cwt/acre dry paddy rice yield (13.5% moisture) is assumed for the purpose of this study and does reflect locally attainable average yields when growers use the new short stature rice varieties and current cultural technology.

Pest Control For pest control recommendations see "Insect and Disease Control Recommendations for Rice" UC leaflet 2748 and "Weed Control in Rice" UC Leaflet 21087 and the IPM Rice manual.

Interest on equipment reflects current prices for new equipment shown in the inventory.

Interest on investment is figured at 12% of one-half of the original cost.

Depreciation is based on a 10 or 15 year useful life of all items.
Depreciation is calculated on a straight line basis.

Business costs were calculated as 4% of total cultural, harvest and post-harvest costs. It includes office, business, personal property tax and other miscellaneous expenses.

Labor costs were calculated assuming full-time employees at \$6.00 per hour plus 33% payroll costs. (\$8.00 per hour).

Interest on Operating Capital was calculated as 13% of 1/2 cultural, 1/4 harvest and 1/4 post-harvest costs.

CASH AND LABOR COSTS PER ACRE

Operation	Hours per Acre	Labor	Fuel & Repairs	Materials Kind and Quantity	\$/ Acre	Sample Costs/ Acre	Sample Costs /CWT	Your Costs /Acre	Your Costs /CWT
<u>Seedbed Preparation</u>									
Disc 2x	.30	2.40	9.97		12.37	12.37			
Chisel	.15	1.20	4.34		5.54	5.54			
Landplane	.15	1.20	4.55		5.75	5.75			
Build Levees and level burrow pits	.5	4.00	16.88	Laser Custom Survey \$3.25/acre	24.13	24.13			
Mark Field	.10	.80	1.56		2.36	2.36			
<u>Fertilize Preplant:</u>									
100#N				*Aqua Ammonia 500# @ \$82/T	20.50				
				Custom Ground \$8/acre	8.00				
				Urea 220# @ \$205/T	22.55	22.55			
				Custom Air \$6.05/acre 2 3/4¢/lb	6.05	6.05			
				*Ammonium Sulfate 500# @ \$97/T	24.25				
				Custom Air \$13.75/acre 2 3/4¢/lb					
Starter				*Ammonium phosphate 250# @ \$200/T	25.00				
				Custom Air \$6.88/acre 2 3/4¢/lb	6.88				
Zinc				Zinc sulfate 3.76 gals @ \$1/gal	3.76	3.76			
5#				Custom Air \$4.35/acre	4.35	4.35			
Topdress Post Plant:				Urea 50# @ \$205/T	5.13	5.13			
20-25#N				Custom Air \$4/acre minimum	4.00	4.00			
				*Ammonium Sulfate 100# @ \$97/T	4.85				
				Custom Air \$4/acre minimum	4.00				
<u>Irrigation</u>									
Set rice boxes and closefield	.2	2.40	1.45		3.85	3.85			
Water				5.5 acre ft @ \$8	44.00	44.00			
Labor	3.5	28.00			28.00	28.00			

CASH AND LABOR COSTS PER ACRE

Operation	Hours per Acre	Labor	Fuel & Repairs	Materials Kind and Quantity	\$/ Acre	Sample Costs/ Acre	Sample Costs /CWT	Your Costs /Acre	Your Costs /CWT
<u>Planting</u>									
Seed				150 lbs @ \$12.50	18.75	18.75			
Treating and Soaking				Custom - \$2.10 cwt.	3.15	3.15			
Plant				Custom Air \$5/acre	5.00	5.00			
<u>Pest Control</u>									
Weeds				Bolero 10G 40lbs @ 83¢ Custom Air \$4/acre	33.20 4.00	33.20 4.00			
				*Ordram 10G 40lbs @ 65¢ Custom Air \$4/acre	26.00 4.00				
				*Basagran 1qt @ \$22.50 Custom Air \$4.50/acre	22.50 4.50				
				*Propanil 1gal @ \$18.00 Custom Air \$4.50/acre	18.00 4.50				
Tadpole Shrimp				*Copper Sulfate 5lb @ \$42.40/cwt Custom Air \$4/acre	2.12 4.00				
Armyworm				*Sevin 80WP 2 1/2lb @ \$3.50lb Custom Air \$4.50/acre	8.75 4.50				
Soil and Tissue Analysis				*Tissue analysis \$26/20acres *Soil analysis \$35/20acres	1.30 1.75				
Miscellaneous Repairs and Maintenance					10.00	10.00			
*Supervision					5.00				
<u>TOTAL</u>				<u>CULTURAL COSTS</u>		<u>245.94</u>	3.51		
<u>Harvest</u>									
Drain, open levees remove rice boxes	.2	1.60	1.45		3.05	3.05			
				Custom Harvest 78 cwt @ \$1.05	81.90	81.90			

CASH AND LABOR COSTS PER ACRE

Operation	Hours per Acre	Labor	Fuel & Repairs	Materials Kind and Quantity	\$/ Acre	Sample Costs/ Acre	Sample Costs /CWT	Your Costs /Acre	Your Costs /CWT
<u>Owner Harvest</u>									
Harvest	.75	6.00	29.25	78cwt. Depreciation & Interest 24.00	59.25				
Bankout	.50	4.00	11.99	Depreciation & Interest 8.48 (\$1.07per cwt.)	24.47				
				Haul to Dryer 78cwt. @ \$.21	16.38	16.38			
				Drying and Storage 78cwt. @ \$.60	46.80	46.80			
<u>TOTAL</u>				<u>HARVEST COSTS</u>		<u>148.13</u>		2.12	
<u>Post-Harvest</u>									
Mow Levees	.25	2.00	3.68		5.68	5.68			
Burn Stubble	.25	2.00			2.00	2.00			
Disc	.15	1.20	4.98		6.18	6.18			
<u>TOTAL</u>				<u>POST HARVEST COSTS</u>		<u>13.86</u>		.20	
<u>Land</u>				Rent \$125/acre	125.00	125.00			
<u>Interest on Operating Capitol</u>				13% on 1/2 of Cultural Costs 15.98					
				on 1/4 of Harvest Costs 4.81					
				on 1/4 of Post Harvest Costs .45	21.24	21.24			
<u>Business Costs</u>				4% of Cultural, Harvest, and Post Harvest costs for office, business, personal property tx.	16.31	16.31			
<u>TOTAL</u>				<u>OVERHEAD COSTS</u>		<u>162.55</u>		2.32	
<u>Depreciation</u>				Crawler Tractor	6.00	6.00			
				Other Equipment	6.21	6.21			
<u>Interest or Investment</u>				Crawler Tractor	5.40	5.40			
				Other equipment	4.29	4.29			
<u>TOTAL</u>				<u>INVESTMENT COSTS</u>		<u>21.90</u>		.31	
<u>GRAND TOTAL</u>	5.75	46.8	47.76	<u>TOTAL COST OF PRODUCTION</u>		<u>592.38</u>		<u>8.46</u>	

EQUIPMENT INVENTORY

Equipment	Years Depreciation	Total Hrs Used/Year	New Cost	Depreciation \$ per hour	1/2 cost x 12% Interest \$/hour	Hrs used/year on rice/acre	Fuel & Repair \$/hr
<u>Cultural</u>							
Crawler Tractor, 150HP	15	1500	108,000	4.80	4.32	1.25	26.72
Offset Disc, Heavy Duty 12'	10	500	14,500	2.90	1.74	.45	6.50
Chisel, Heavy Duty 12'	10	250	4,560	1.82	1.10	.15	2.23
Land Plane 12'x45'	15	250	14,400	3.84	3.45	.15	3.60
Rice Checker	15	250	19,200	5.12	4.61	.25	11.90
Springtooth, Coil Shank 12'	10	250	4,560	1.82	1.10	.10	2.23
Tractor, Wheel Diesel 80HP	10	1200	31,200	2.60	1.56	.55	13.40
Scraper, Wheel 10'	10	250	4,560	1.82	1.10	.2	1.12
Dozer Blade 8'	10	250	5,280	2.11	1.26	.25	2.15
Mower 7'	10	200	2,160	1.08	.65	.25	1.32
<u>Optional Harvesting</u>							
*Bankout Wagon 150cwt.	10	300	24,000	8.00	4.80		10.58
*Combine, SP Rice 16'	10	600	120,000	20.00	12.00		39.00
*P.U.	5	2000	10,800	1.08	.32	3.95	.26 /mile

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