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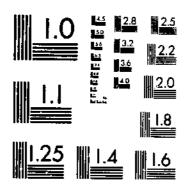
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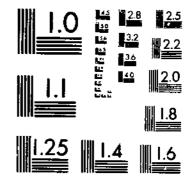
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COSTS AND RETURNS FOR RICE, 1975, 1976, AND 1977, WITH 1978 PROJECTIONS

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Troy Mullins Warren R. Grant Shelby H. Holder, Jr.

U.S. Department of Agriculture Economics, Statistics, and Cooperatives Service

Statistical Bulletin No. 613



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ABSTRACT

The costs of rice production in the United States increased appreciably in most of the major rice-growing areas between 1975 and 1977. Except for planting seed and fertilizer, for which prices were unusually high in 1975, all other direct input items were much more expensive in 1977. In 1978, the rate of the price increases eased to a level comparable with that of the overall rate of inflation. For established growers, the ownership costs of farm equipment increased only moderately since 1975 as new machines were substituted for fully depreciated items.

Keywords: Rice, major U.S. rice areas, production costs, production returns.

ACKNOWLEDGMENTS

The information presented here is largely an updating of information applicable to the 1975 season presented in report number 75-5 of the Texas Agricultural Economics and Rural Sociology Department. Those assisting the authors by supplying data and reviewing the 1976 and 1977 budgets include the following: Bobby Huey, Arkansas Agricultural Extension Service; Fred T. Cooke, Jr., CED, ESCS, USDA; Willard F. Woolf and Blake J. Vidrine, Louisiana Agricultural Experiment Station; Arthur R. Gerlow, Texas Agricultural Extension Service; Carl M. Wick and John F. Williams, California Agricultural Extension Service.

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SUMMARY

The tightening of supplies of various forms of energy, along with the overall inflationary trend, resulted in a steady rise in the variable costs associated with growing rice during the 1975-77 period. Limited supplies of seed and fertilizer resulted in costs increasing markedly in 1975, while a pronounced price rise for herbicides occurred in 1976. Other variable costs-replacement parts, custom service, and farm wage rates--increased at a fairly consistent rate during the 1975-77 period. Where petroleum was the source of energy for pumping, irrigation costs increased rapidly. They went up more slowly where petroleum was not the energy source, primarily because of the slowness with which utility rate changes could be approved.

The 1978 projections show prices continuing to rise, but at a slower pace than in earlier years. The increases for 1978 are on a level comparable with the overall rate of inflation. The upward trend of land costs is also abating, with land costs in California declining slightly.

Among areas, total costs per hundredweight of production varied as a result of differences in yields per acre. In 1977, costs per hundredweight were lowest at \$7.03 for the Sacramento Valley of California, next lowest at \$7.48 for the Coastal Prairie of Texas and Southwest Louisiana, and between \$8.49 and \$8.69 for the Mississippi Delta, the Grand Prairie, and northeast Arkansas areas. COSTS AND RETURNS FOR RICE, 1975, 1976, AND 1977 WITH 1978 PROJECTIONS

> Troy Mullins Warren R. Grant Shelby H. Holder, Jr. <u>1</u>/

INTRODUCTION

Costs and returns per acre are presented in this report for the six major riceproducing areas of the United States (see figure 1). Included are final figures for 1975 and 1976, preliminary data for 1977, and projections for 1978. Since the early 1960's, cost data for producing rice and competing enterprises in the rice-growing States have been published by the Economics, Statistics, and Cooperatives Service and its forerunner agency (the Economic Research Service) in cooperation with the State Agricultural Experiment Stations. The first consolidated report for Arkansas, Louisiana, Mississippi, and Texas was released in 1966. Comparable reports with data for the Sacramento Valley of California included were released in 1972 and 1975.

Legislation passed in 1973 requires the Department of Agriculture to make annual estimates of the cost of producing a number of farm commodities, including rice. The same legislation provides that farm price adjustment payments (target prices) be revised annually to reflect changes in the Index of Prices Paid by Farmers.

In the late sixties and early seventies, the public concern with the cost of production stemmed in large measure from the need to increase world food production to the ends of upgrading nutrition levels for large regions and warding off serious famines in selected countries. In those years the price-cost spreads were usually adequate to justify marked expansion in production and farmers accepted the challenge aggressively.

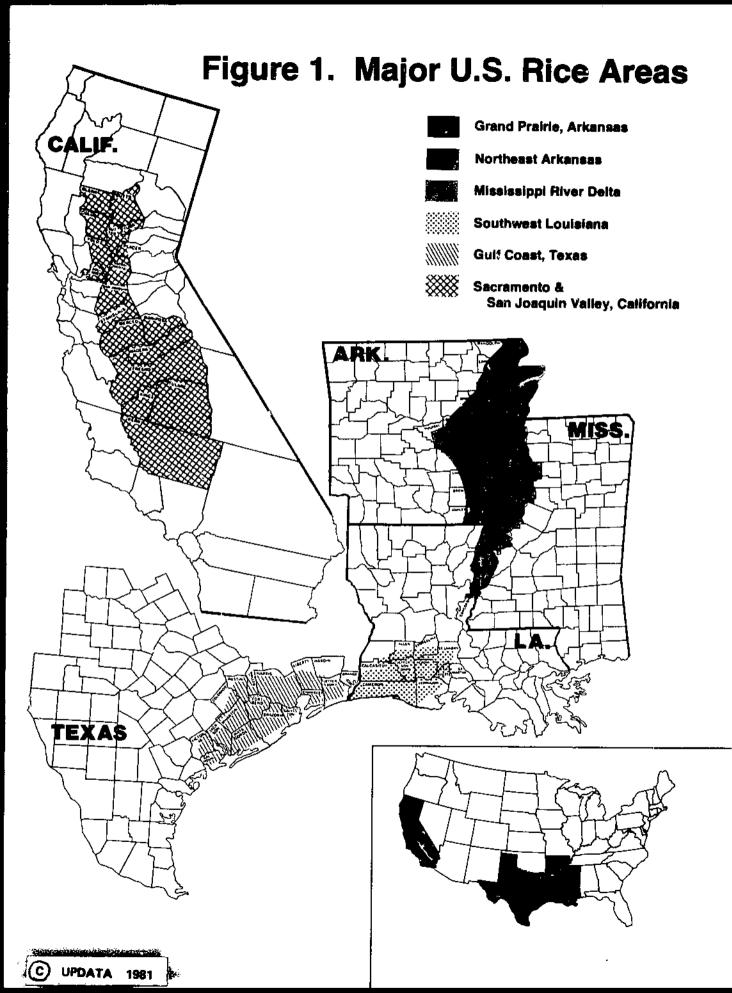
The agricultural outlook at the close of 1977, however, was contrastingly different as a result of marked cost increases for a number of production inputs. Within restraints of rotation programs that assure favorable crop yields, rice farmers are concerned with allocating their production resources among competing enterprises, such as soybeans, small grains, and cotton, and are guided largely by the projected market outlook for these alternatives.

CHANGES IN RICE PRODUCTION AMONG AREAS

Since the first report comparing costs and returns by area was released in 1966, noticeable shifts in acreage and production have occurred. During the two decades when marketing quotas and acreage allotments were in effect (1954-73) the proportion of rice acreage in the various areas remained almost constant.



<u>1</u>/ Agricultural Economists, Commodity Economics Division, Economics, Statictics, and Cooperatives Service, U.S. Department of Agriculture, stationed at Fayetteville, Arkansas, College Station, Texas, and Stoneville, Mississippi, respectively.



As a result of the tight supply situation during 1973 and the ensuing price rises to record levels, marketing quotas were suspended for the 1974 and 1975 seasons. Farmers in all areas made record plantings in 1975, bringing the total for the six areas to 2.8 million acres.

This marked rise in U.S. production associated with abundant crops in other world regions resulted in an exceptionally unfavorable price outlook for 1976 and 1977, with the result that plantings were reduced from the 1975 level in all areas. Reduction for the United States was 11 percent, bringing the total to 2.5 million acres in 1976 and 2.2 million in 1977 (table 1).

PROCEDURE

The principal sources of data used in compiling the information in this report were: (1) published information on prices paid, farm wages, interest, taxes, and State and county yield data from the Statistical Reporting Service (now part of ESCS), USDA, and (2) interviews with extension specialists, agricultural supply firms, machinery dealers, custom operators, and a limited number of farmers. The tables reflect the most common level of inputs used by farmers in each area. The data for yields and prices received reported by the Statistical Reporting Service (now part of ESCS) for each State were adjusted to the area situations where necessary. Also, the 1976 prices received for rice, which differed among the States, were further adjusted to include the target price payment of \$1.70 per hundredweight received by farmers holding allotments. To reflect the costs and returns applicable to rice grown in excess of allotment (and to those without allotments), a special summary is included.

Miscellaneous costs that occurred on a monthly basis were treated as variable costs and shown as general farm overhead. They include costs of bookkeeping, communications, subscriptions, membership fees, etc. and are based on the relationship of these costs (in total) to gross returns as determined in earlier studies.

The costs assigned to land are determined in either of two ways: (1) the current price of land is multiplied by the current rate of interest as charged on Federal Land Bank mortgage loans, and (2) the "net share rent" annual charge is calculated as the landlord's share of the crop receipts minus his share of the expenses. The first way corresponds to "land charge (land price)" in the costs and returns tables; the second corresponds to the "land charge (share rent)" entry in the same tables.

CHANGES IN PRODUCTION COSTS

Major changes in the cost of variable input items during the past three seasons are summarized in table 2. Significant increases over the 1975 level occurred and are attributed mainly to limited energy supplies and to the overall inflationary trend in the economy. Reductions in prices of some items from the 1975 and 1976 levels have, however, softened the total rise in costs.

Due to the limited supplies of planting seed and the impact of energy shortages on fertilizer prices, the costs of these items were at peak levels in 1975, and

Table 1Acres, production, and average yields in major rice areas for selected year	Table 1Acres,	production,	anđ	average	yields	in	major	rice	areas	for	selected	vear:
--	---------------	-------------	-----	---------	--------	----	-------	------	-------	-----	----------	-------

	1966	: : 1972	1973	1975	1976	
	:		1.000) acres		
Acres harvested:	:		1,000	<u>deres</u>		
Northeast Arkansas ^{2/}	: 21.8.0	211.0	262.9	467.0	454.0	452.2
Grand Prairie, Arkansas	: 170.6	157.0	200.0	217.0	215.1	214.6
Mississippi River Delta	: 153.3	145.8	177.7	454.0	399.8	303.8
Southwest Louisiana	: 550.1	505.1	597.6	607.0	504.1	469.4
Coast Prairie, Texas:	:			54115	20411	405.4
Upper counties	: 258.8	224.2	263.0	263.0	236.3	241.0
Lower counties	: 246.2	243.8	268.0	285.0	271.7	260.0
Sacramento Valley, California	: 360.0	331.0	401.0	525.0	399.0	308.0
U.S. total	: 1,957.0	1,817.9	2,170.2	2,818.0	2,480.0	2,249.0
	:		Hundred	weight		
Yield per acre: Northeast Arkansas	:	/=	,	/ - -		
Grand Prairie, Arkansas	: 43.10	47.90	45.60	47.30	46.86	42.70
Mississippi River Delta	: 45.10 : 43.00	52.20	47.50	47.30	50.21	45.20
Southwest Louisiana		46.60	43.90	39.10	43.82	40.20
Coast Prairie, Texas	: 36.90 :	37.80	34.10	38.00	38.90	35.60
Upper counties	: 37.80	45.80	36.20	44.11	47.02	45.20
Lower counties	: 46.40	48.60	38.50	46.97	49.02	48.10
Sacramento Valley, California	: 55.00	56.14	56.10	57.50	55.20	58.10
U.S. average	43.20	47.00	42.74	45.58	46.63	44.12
.	:		Million hu	mdredweigh	t	
Production:	:				_	
Northeast Arkansas	: 9.4	10.1	12.0	22.1	21.3	19.3
Grand Prairie, Arkansas	: 7.7	8.2	9.5	10.3	10.8	9.7
Mississippi River Delta	: 6.6	7.0	7.9	17.8	17.3	12.2
Southwest Louisiana	: 20.3	19.1	20.4	23.0	19.6	16.7
Coast Prairie, Texas:	:					
Upper Counties	: 9.8	10.3	9.5	11.6	11,1	10.9
Lower Counties	: 11.4	11.8	11.0	13.4	13.3	12.5
Sacramento Valley, California	: 19.8 :	18.9	22.5	30.2	22.0	17.9
U.S. total	: 85.0 :	85.4	92.8	128.4	115.4	99.2
Persont of tabel and the	:		Per	cent		
Percent of total production: Northeast Arkansas	: : 11.0	11.6	10.4	+ - -		
Grand Prairie, Arkansas		11.6	12.4	17.2	18.2	19.9
Mississippi River Delta	: 9.1 : 7.8	9.6 8.0	10.2	8.0	9.2	10.0
Southwest Louisiana			8.4	13.9	13.7	12.5
Coast Prairie, Texas:		22.4	22.0	17.9	16.8	17.2
Upper counties	: : 11.5	12.1	10 0	~ ~		
Lower counties	: 13.4	12.1	10.2 11.9	9.0	9.7	9.9
Sacramento Valley, California	: 13.4 : 23.3			10.4	11.1	11.4
	: 23.3	22.1	24.2	23.5	20,0	18.0
U.S. average	: 100.0	100,0	100.0	100.0	100.0	100.0

 $\frac{1}{2}$ / Preliminary. $\frac{2}{2}$ / Includes small acreage in other Arkansas counties and in southeast Missouri.

Source: Statistics area, ESCS, USDA.

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	:	North		kansas						er Delta:		west Lou	
Cost items	:	1975	: 1976 :	<u>19771/</u>	: 1975	: 1976	<u>: 19771/</u>	: 1975	: 1976	: 1977 <u>1</u> /:	1975 :	1976	: 1977 <u>1</u>
	:												
	:						Dolla	rs					
	:												
Preharvest:	:												
Seed	1	26.14	21.00	20.02	26.14	21.00	20.02	32.40	24.30	19.44	30.37	25.79	22.27
Fertilizer	:	36.65	22.70	19.70	42.65	33.70	30.75	32.40	24.00	18.60	40.33	23.00	22.68
Chemicals	:	18.45	27.17	21.74	18.45	27.17	21.74	19.05	27.75	22.46	16.06	21.52	14.43
Custom services	:	13.63	16.15	18.00	14.41	16.95	19.50	16.27	19.10	20.61	14.08	14.94	16.37
Tractors and	:												
equipment	:	16.07	17.45	19.31	16.07	17.45	19.31	13.91	16.82	18.63	10.45	11.01	11.98
Irrigation	:	15.88	15.13	16.73	18.39	15.13	16.70	23.98	27.88	32.63	21.13	11.25	12.47
Labor	:	29.50	31.19	38.77	29.50	31.19	38.77	22.63	27.14	29.87	15.51	22.18	24.00
Other	:	5.58	5.21	4.99	5.77	5,61	5.40	5.38	5.32	4.78	5.01	4.28	3.93
	:												
Subtotal	:	161.89	156.00	159.26	171.38	168,20	172.21	166.02	172.31	167.04	153.94	133.97	128.13
Harvest:	:												
Drying	:	20.80	20.80	28,46	20.80	22.30	30.10	24.90	28.70	26.33	20.87	26.77	24.50
Combine, trac-	:												
tor, atc. 2/	;	12.02	14.13	15.05	12.02	14.40	15.33	17.06	21.16	21.64	8.74	10.06	11.14
Labor	:	8.52	6.76	8.42	8.52	6.76	8.42	5.93	5.92	6.52	7.08	9.39	10.12
Other	:_	0.18	0.13	0.14	0.18	0.13	0.14	0.00	0.09	0.09	0.08	0.10	0.10
Subtotal	:	41.53	41.82	52.07	41.52	43.59	53.98	47.89	55.87	54.58	36.77	46.32	45.86
	:												
Total variable	:		107 00	011 00		011 70	00/ 10	010.01	000 10	221 62	190.71	100 22	174.01
costs	:	203.42	197.83	211.33	212.90	211.79	226.19	213.91	228.18	221.62	190.71	100.32	1/4.01
Cost per cwt	:	4.30	4.22	4.95	4.50	4.22	5.00	5.47	5.21	5.51	5.02	4.64	4.89
	:												
	:					É	lundredwe	ight					
Yield per acre	:	47.30	46.86	42.70	47.30	50.21	45.20	39.10	43.82	40.20	38.00	38.90	35.60
• ·· ·											-	-	
												Co	ntinued

Table 2--Estimated changes in cost items and in variable cost per acre, 1975-77, by major production areas

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	! <u> </u>		Coast Prai	rie, Texa	8		: Sa	cramento Val	lley,
		oper counti		:	Lower count	ies	·	California	1
Cost items	: 1975	1976	<u>: 19771/</u>	: 1975	: 1976	: 1977 <u>1</u> /	: 1975	: 1976 :	<u> </u>
	:				Dollar	e			
	:				BOILAL	-			
Preharvest:	:								
Seed	: 28.20	22.92	18.00	26.79	22.92	18.00	24.55	24.55	19.72
Fertilizer	: 57.61	37.07	39.10	69.27	44.51	45.52	46.56	34.46	37.47
Chemicals	: 23.83	25.13	22.01	25,61	36.92	33.22	10.23	15.43	14.66
Custom services	: 18.25	19.10	19.22	21,24	22.38	25.81	12.08	19.98	22.36
Tractors and	:								
equipment	: 13.00	15.36	16.99	11.95	14.64	16.31	21.33	21.99	25.79
Irrigation	: 23.72	23.72	23.72	29.33	29.33	29.33	17.00	17.00	25.00
Labor	: 36.56	37.79	48.90	25.03	26.98	39.34	27.94	27.09	40.50
Other	:8.41	6.95	6.80	7.79	7,66	7,62	6.06	5.66	6.33
Subtotal	208.58	88.03	194.74	218.01	205.85	215.15	165.75	166.17	191.83
Harvest:	:								
Drying	: 22.16	23.49	24.08	26.21	27,20	26.69	22.34	27.57	29,02
Combine, trac-	:							2.131	17101
tor, etc. <u>2</u> /	: 13.64	16.23	18.85	16.13	19.22	22.42	18,99	21.14	24.09
Labor	: 5.67	6.02	7.79	6.31	6.80	9.91	6.46	6.93	11.08
Other <u>3</u> /	:2.87	3.96	3,87	2.99	4.07	4.03	0.04	0.05	0.05
Subtotal	: : <u>44.34</u>	49.70	54.59	51.64	57.29	63.06	47.83	55.69	64.25
Total variable	:								
costs	: 252.92	37.74	249.33	269.65	263.14	278.21	213.58	221.86	256.08
Cost per cwt	: 5.74	5.06	5.52	5.74	5.37	5.79	3.71	4.02	4.41
	:				Hundredweig	<u>;ht</u>			
Yield per acre	: : 44.11	47.02	45.20	46.97	49.02	48.10	57.50	55.20	58.10

Table 2-Estimated changes in cost items and in variable cost per acre, 1975-77, by major production areas--Continued

 $\frac{1}{2}$ Preliminary. $\frac{2}{3}$ Includes haul $\frac{3}{3}$ Includes sale Includes hauling.

Includes sales commission in Texas areas.

accounted for about 45 percent of the total preharvest costs in most areas. In 1977, on the other hand, as a result of lower prices for both seed and fertilizer, and, in some areas, more conservative applications of nitrogen, these items accounted for only about 20 percent of the preharvest costs in the Arkansas, Mississippi, and Louisiana areas, and about 30 percent in the Texas and California areas. Prices for most herbicides showed a substantial rise in 1976, but declined in 1977 to about 18 to 20 percent above the 1975 level; the lower counties of the Texas Coast Prairie and the California areas, however, are exceptions in that costs of herbicides in 1977 were higher than for 1976.

The costs of practically all other items increased each year during the 1975-77 period. Such items are influenced in varying degrees by the price of petroleum products, the cost of repair parts, and farm wage rates. The yearly change in the cost of these items was estimated by comparing prices obtained from suppliers, farm equipment dealers, repair shops, and any sources having information on farm wage rates.

The change in the cost of supplying water for irrigation was not as consistent as most other input items in its annual increases. Where electricity is the source of power, rate schedules can be changed only after justification and approval by regulatory agencies; hence, between one area and another, the changes often occur unevenly over time. Changes in custom rates for aerial applications and for drying also reflected higher prices for fuel, repairs, and labor, but the degree of change was reasonably uniform among areas.

Total variable costs for the 1977 season ranged from \$174.01 per acre in southwest Louisiana to \$278.21 per acre in the lower counties of the Texas Coast Prairie where a stubble crop is grown on about 60 percent of the acreage. Variable costs in the California area were about \$256.08 per acre and in the range of \$211.33 to \$226.19 for the Arkansas and Mississippi Delta areas. Based on preliminary yields applicable to each area, the 1977 variable costs were lowest for the Sacramento Valley, the Grand Prairie, northeast Arkansas, and southwest Louisiana, ranging from \$4.41 to \$5.00 per hundredweight. They were highest for the Mississippi Delta and the upper and lower counties of the Texas Coast Prairie, ranging from \$5.51 to \$5.79 per hundredweight.

The estimated gross returns per acre and income available to cover general farm overhead, risk, and management for 1975, 1976, and 1977 are shown in table 3. These estimates are applicable to rice grown on allotment acres, which for 1976 was eligible for the deficiency payment of \$1.70 per hundredweight. The net return to general farm overhead, risk, and management for 1977 was \$10.29 to \$17.09 per acre for the Arkansas and Mississippi areas, compared with the much higher level of \$52.38 to \$109.60 per acre in the other areas. The lower net returns for the Arkansas and Delta areas are partially attributable to lower yields. More importantly, however, the lower net incomes resulted from the way in which the land charge was determined. This charge, based on high land values and high interest rates in the case of Arkansas and the Delta, made "land charge (land price)" come out considerably higher than "land charge (share rent)," which had been applied to the other areas.

The net income per acre to general farm overhead, risk, and management was from \$14.00 to \$73.00 higher for 1976 than for 1977 in all areas except southwest

œ

	Price	: Gross	: Variable	: Ownership	: Land	: Total	: Net	: Cost per :	Yield
Region	received1/	<u>returns</u>	; costs	: costs	: charge	: costs	: income	:hundredweight:	per acre
	•								Hundred-
:				<u>Doll</u> :	irs				veight
Northeast Arkansas :	1								
1975 :	8.54	403.94	203,42	40.65	75.00	319.07	84.87	6,75	47.30
1976 <u>2/</u> 1977	8.95	419.40	197.83	44.12	100.94		76.51		46.86
1977	8.92	380.88	211.33	47.95	109,25		12.35		42.70
Grand Prairie, Arkansas									
1975	8.54	403.94	212.90	40.65	75.00	320.55	75.39	6.95	47.30
1976,,	8,95	449.38	211.79	44.12	109.76		83.71		50,21
1977-	8,92	403.18	226.19	47.95	118.75		10.29		45.20
		403.10	220.1)	47,35	110.75	392.09	10.29	0.09	45.20
Mississippi River Delta :	:								
1975 :	8.42	329.22	213.91	38.17	50.00	302.08	27,14	7.73	39.10
1976 ₂₇ :	8.49	372.03	228,18	40.90	74,48		28.47		43.82
1977-27	8.92	358.58	221.62	43.87	76.00		17.09		40.20
				45101	10,00	541.47	17709	0.49	40.20
Southwest Louisiana :									
1975 :	8.38	318.44	190.71	27.21	59.52	277.44	41.00	7.30	38.00
1976,, :	8.23	320.15	180.32	20.14	58.68		51.01		38.90
1977	8.92	317.55	174.01	32.55	58.61		52.38		35.60
:							50.50		55100
Coast Prairie, Texas :									
Upper counties :									
1975 :	8,81	388.61	252.92	31.32	50.99	335.23	53.38	7.60	44.11
1976 _{2/} :	8,91	418.95	237.74	33.57	54.90		92.74	6.94	47.02
1977 21 :	8.92	403.18	249.33	36.24	52.63		64.98	7.48	45.20
			2	20124	22.05	200:20	04.30	/.40	43.20
Lower counties ;									
1975 :	8.81	413.80	269.65	36.25	42.38	348,28	65.52	7.41	46.97
1976.	8.91	436.77	263,14	38.25	40.61		94.77	6.98	49.02
1976 ₂ / :	8.92	429.05	278.21	41.44	39.90		\$9.50	7.48	49.02
		427105	210.21	41.44	37.70	777.77	09.00	1.40	40.10
acramento Valley,									
California ;									
1975	7.65	439.88	213.58	40.96	87.98	342.52	97.36	5.96	57.50
1976,, ;	8.61	475.27	221.86	44.84	95.05	361.75	113.52	6.55	55.20
19772/	8.92	518.25	256.08	48.92	103.65	408,65	109.60	7.03	
	0.72	310.63	230.00	40.72	102.02	408,03	T0A'90	1.03	58.10

Table 3--Per acre gross returns and net income above variable, ownership, and land costs, by production areas, 1975-77

1/ Prices for 1975 and 1976 are those reported by Statistical Reporting Service by States and 1977 prices are estimated U.S. average prices, based on midmonth prices reported through December 1977.

2/ Preliminary.

Louisiana, where it was about the same. The lower net returns per acre for 1977 reflect the combined effect of higher costs, lower yields, and the unusually low milling quality of rough rice.

Based on the costs included in these computations (variable, ownership, and land charges) the 1977 total costs per 100 pounds of rough rice were \$7.03 for the Sacramento Valley, \$7.48 for the Coast Prairie areas of Texas and Louisiana, and \$8.49 to \$8.69 for the Mississippi Delta, Grand Prairie, and northeast Arkansas areas. The 1977 differences among areas in total costs per 100 pounds conform only partially to the pattern found in earlier years. Due to exceptionally high yields, the California area is usually near the low for all areas in cost per unit. Above average yields and nominal costs usually keep the costs per unit for Grand Prairie and northeast Arkansas areas relatively low also. It appears that adverse weather and, possibly, disease factors had an undue influence on production (and quality) in both the Grand Prairie and northeast Arkansas areas in 1977.

CUSTS AND RETURNS FOR ZERO ALLOTMENT ACRES

For the 1976 season, the 2.48 million acres of rice harvested exceeded the national allotment of 1.8 million acres by approximately 38 percent. This excess acreage was not eligible for the target price payment of 1.70 per hundredweight, which is included in the per acre incomes for 1976 (table 4).

The 1976 net returns to farmers who received no allotment are shown in table 4. Arkansas, Mississippi, and Louisiana growers showed less in returns to general farm overhead, risk, and management, ranging-from -\$1.65 to -\$46.02. Returns for the Texas Coast Prairie and Sacramento Valley areas ranged from \$11.43 to \$19.68 per acre. Here again, the larger dollar loss reflects the higher land charges in those areas.

COST COMPUTATIONS FOR ADJUSTING TARGET PRICES

The 1977 Food and Agriculture Act made a number of amendments to the Rice Production Act of 1975. One change which relates to costs of production is the procedure specified for adjusting target prices, beginning with the 1978 crop and continuing through 1981. Instead of using the change in the index of prices paid by farmers (coupled with the change in average U.S. rice yields) target price adjustments for rice are to reflect the change in the 2-year moving average of the sum of variable, machinery ownership, and general farm overhead costs. Tables 5, 6, and 7 summarize these costs by areas and weighted U.S. average for 1975, 1976, and 1977. Between 1976 and 1977 these specified costs increased from \$272.86 to \$285.99 per acre, or an increase of 4.8 percent. Because of the lower average yields in 1977, the average costs per hundredweight increased from \$5.85 to \$6.48, which is equal to 10.8 percent. However, the 2-year moving average for 1976-77 compared with 1975-76 changed only from \$5.88 to \$6.16 per hundredweight or an increase of 4.7 percent. Table 4--Per acre gross returns and net income for farmers without allotments, 1976

Item	: Northeast	: Prairie,	: : Mississippi : River Delta	: Southwest	: Upper	: Lower	: Sacramento : Valley, . California
	:			Dollars			
Gross returns $\frac{1}{}$: : 339.73	364.02	297.53	254,01	339.01	353.43	381.43
Variable costs Ownership costs Land charge	: : 197.83 : 44.12 : <u>100.94</u>	211.79 44.12 109.76	228.18 40.90 74.48	180.32 30.14 58.68	237.74 33.57 54.90	263.14 38.25 40.61	221.86 44.84 95.05
Total	: : <u>342.89</u>	305.67	343.56	269.14	326.21	342.00	361.75
Net income to general farm overhead, risk, and management	: : : -3.15	-1.65	-46.03	-15.13	12.80	11.43	19.68
Applicable price per cwt 2/	: 7.25	7.25	6.79	6.53	7.21	7.21	6.91
Net income to allotment holders <u>1</u> /	. 76.51	83.71	28.47	51.01	92.74	94.77	113.52

 $\underline{1}/$ Gross returns derived from area average yields shown in table 3 multiplied by applicable prices shown below.

2/ Price reported by statistics branch, ESCS, USDA, excluding target price payment.

	:	: Grand	:	:	:Coast Pra	irie, Texas	Sacrament	o:U.S.
Item	:Northeast	Prairie,	:Mississipp	i:Southwest	:: Upper	: Lower	: Valley,	:aver-
	Arkansas	Arkansas	:River Delt	a:Louisians	a:counties	: counties	:Californi	a: age
				D -11				
	•			Doll	ars			
Costs per acre:	:							
Variable items	: 203.42	212.90	213,91	190.71	252.92	269.65	213.58	216.30
Machinery ownership	: 40.65	40.65	38.17	27.21	31.32	36.25	40.96	36.09
General farm overhead	: 17.13	17.13	15.34	13.22	17.30	18.05	24.61	17.50
	;							
Total specified costs	: 261.20	270.68	267.42	231.14	301.54	323.95	279.15	269.99
_	:							
Costs per cwt:	:							
Variable items	: 4.30	4.50	5.47	5.02	5.74	5.74	3.71	4.75
Machinery ownership	: 0.86	0.86	0.98	0.71	0.71	0.77	0.71	0.79
General farm overhead	. 0.36	0.36	0.39	0.35	0.39	0.39	0.43	0.38
Total specified costs	: : <u>5.</u> 52	5.72	6.84	6.08	6.84	6.90	4.85	5.92
	:			Hundredw	eight			
field per acre	: 47.30	47.30	39.10	38.00	44.11	46.97	57.50	45.58
	:			<u>1,000 a</u>	cres			
Area harvested	: : 467.0	217.0	454.0	607.0	263.0	285.0	525.0 2	,818.0

Table 5-Summary of specified rice production costs, 1975



Table 6Summary	7 of	specified	rice	production	costs,	1976
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		: Grand :				irie, Texas	:Sacrament	o:U.S.
Item	Northeast	:Prairie,:	Mississippi River Delta	Southwest	Upper		: Valley, :Californi	:aver-
	Arkansas	:Arkansas:	KIVEL DELLA	LUUISIdiid	Conteres	· councies	- our re o king	
	:			Dolla	ITS			
	:							
Costs per acre:	:						001 06	د. د
Variable items	: 197.83	211.79	228.18	180.32	237.74	263.14	221.86	
Machinery ownership	: 44.12	44.12	40.90	30.14	33.57	38.25	44.84 26.13	39.23
General farm overhead	: 18.19	18.19	16.29	14.04	18.37	19.16	20.13	18.44
Total specified costs:	: <u>260.14</u>	274.10	285.37	224.50	289.68	320.55	292.83	272.86
	:							
Costs per cwt:	:				5.06	5.37	4.02	4.61
Variable items	: 4.22	4.22	5.21	4.64 0.77	0.71	0.78	0,81	0.84
Machinery ownership	: 0.94	0.88	0.93	0.36	0.39	0.39	0.47	0.40
General farm overhead	<u>0.39</u>	0.36	0.37	0.30				
Total specified costs	: : <u> </u>	5.46	6.51	5.77	6.16	6.54	5.30	5.85
	:			Hundred	veight			
Yield per acre	: : 46.86	50.21	43.82	38.90	47.02	49.02	55.20	46.63
	:			<u>1,000</u> a	acres			
Acres harvested	: : 454.0	215.1	399.8	504.1	236.3	271.7	399.0 2	480.0

Table 7--Summary of specified rice production costs, 1977 (preliminary)

	:	Grand	:	:	Coast Pra	irie, Texas	:Sacrament	o:U.S.
Item	Northeast Arkansas	Prairie.	:Mississippi River De <u>lta</u>	:Southwest :Louisiana	: Upper :counties	: Lower : counties	: Valley, :Californí	:aver- a: age_
· ··- ··	:			Dolla				
	:			<u>B011</u>				
Costs per acre:	:							
Variable items	: 211.33	226.19	221.62	174.01	249.33	278.21	256.08	224.28
Machinery ownership	: 47.95	47.95	43.87	32.55	36.24	41.44	48.92	42.31
General farm overhead	: 19.21	19.21	17.20	15.78	18.72	19.90	27.59	19.40
Total specified costs	: : <u>278,49</u>	293.35	282.69	222.34	304.29	339.55	332.59	285.99
-	:							
Costs per cwt:	: 4.95	5.00	5.51	4.89	5.52	5.79	4.41	5.08
Variable items	: 1.12	1.06	1.09	0.92	0.80	0.86	0.84	0.96
Machinery ownership General farm overhead	: 0.45	0.43	0.43	0.44	0.41	0.41	0.47	0.44
				6.25	6.73	7.06	5.72	6,48
Total specified costs	: <u>6.52</u>	6.49	7.03_	0.23	0.15	/.00		
	:			Hundred	weigh <u>t</u>			
Yield per acre	: : 42.70	45.20	40.20	35.60	45.20	48.10	58.10	44.12
	:			<u>1,000</u>	Acres			
Acres harvested	: : 452.2	214.6	303.8	469.4	241.0	260.0	308.0 2	,249.0

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	Item	: : : : : : : :	, UNICS		urn or cost	: Cwt of
	1 Lep	Unit	per acre	Unit	Acre	: produc
		: :	(A)	: (B)	: (c) <u>1</u> /	: (D) <u>2</u> /
		: :			- Dollars -	
1.	Gross receipts from production	: cwt	: 47.300	0 5/		
2.	Variable costs:	: uwu :	47.300	8.54	403.94	
2.	Preharvest:	: :			203.42	4.30
	Seed (104 PC)	: cwt	1.400	18.670	26.34	
	Nitrogen	16	100.000	.300	26.14 30.00	-55 .63
	Phosphate	ⁱ do. ⁱ	4,000	.300	1.20	.03
	Potash	ido. i	30.000	.100	3.00	.05
	Zinc	do.	3.500	.700	2.45	.05
	Chemical No. 2	do.	.750	4.000	3.00	.06
	Chemical No. 1	do.	4.800	3.000	14.40	.30
	Chemical No. 7	qt	.330	3.170	1.05	.02
	Custom air, fertilizer	acre	3.310	2.000	6.62	.14
	Custom air, pesticide	do.	.250	2.250	.56	.01
	Custom air, pesticide	do.	1.600	3.000	4.80	.10
	Custom air, pesticide	do.	.330	3.500	1.15	.02
	Survey levees	, ao	1.000	. 500	.50	.01
	Tractor fuel and lube	, do			5.89	.12
	Tractor repairs	do.			2.36	.05
	Equipment fuel and lube Equipment repairs	do.			1.26	.03
	Irrigation fuel cost	. do.			6.56	.14
	Irrigation lube cost	do.			11.99	. 25
	Irrigation repair cost	do.			.90	.02
	Machinery labor	do.	/		2.99	.06
	Other labor	hour	4.319	3.250	14.04	.30
	Irrigation Labor	do. do,	1.020	3.000	3.06	.06
	Interest on operating capital	: dol. :	3.816 59.970	3.250	12.40	. 26
	Total preharvest	: : :	39.970	.093	5.58 161.90	.12 3.42
	Harvest:	: :				
	Drying	: CWE :	52.000	.400	20.80	.44
	Hauling	: do. :	37.800	.1.00	3.78	.08
	Tractor fuel and lube	: acre :			1.20	,03
	Tractor repairs	: do. :			.41	.01
		: do. :		<u> </u>	2.90	.06
	Equipment repairs	: do. :			3.73	.08
	Machinery labor	: hour :	2.620	3.250	8.52	. 18
	Interest on operating capital	: dol. :	1.979	.093	.18	.00
	Total harvest	:			41.52	.88
	Income above variable costs (line 1 less line 2)	:			200.52	4.24
••	Ownership costs (depreciation, taxes, interest, and insurance):	:				
	Tractors Malter	:			10.10	.21
		:			27.80	.59
	Irrigation equipment	:			2.75	.06
	Total ownership costs	:			40.65	.86
•	Return to land, overhead, risk, and management (line 3 less line 4)	:			159.87	3,38
•	General farm overhead	:			17.13	.36
•	Land charge (land price) <u>3</u> /				75.00	1.59
	Management charge (7.0% of gross receipts)	:			28.28	
	-	:				.60
		:			364.48	7.71
•	Return to risk (line 1 less line 9)	:			39.46	.82

Table 8--Northeast Arkansas: Rice costs and returns, 1975 final

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 $\frac{1}{1}$ For item 2, C = A x B. $\frac{1}{2}$ / D = C + 47.3. $\frac{3}{1}$ Land cost based on 9 percent for interest on investment and 1 percent for taxes and depreciation of improvements. Budget applies to harvested acres.

	Item	Unit ¹	Items per acre	: n-1- :	. :	Cwt of
		: :	•	Unit :		product
			(A)	: (B) :	(C) <u>1</u> / :	<u>(D)2/</u>
	1				Dollars -	
1. (: cwt :		8,54	403.94	
2.	Variable costs:	:			212.90	4.50
	Preharvest:	i do. i	1.400	18.670	26.14	. 55
	Seed (104 PC)	1b :	120.000	.300	36.00	.76
•	Nitrogen Phosphate	: do. ;	4.000	. 300	1.20	.03
	Potash	do. :	30.000	.100	3.00	.06
	Zinc	do. :	3.500	.700	2.45	.05
	Chemical No. 2	do. :	.750	4.000	3.00	.06
	Chemical No. 1	do.	4.800	3.000	14.40	.30
	Chemical No. 7	qt	.330	3.170	1.05	.02
	Custom air, fertilizer	acre	3.700	2.000	7.40	.16
	Custom air, pesticide	do.	.250	2.250	.56	.01
	Custom air, pesticide	da.	1.600	3.000	4.80	.10
	Custom air, pesticide	do.	.330	3.500	1.15	.02
	Survey levees	do.	1.000	.500	.50	.01
	Tractor fuel and lube	acre			5.89	.12
	Tractor repairs	do.			2.36 1.26	.03
	Equipment fuel and lube	: do. ;			6.56	.14
	Equipment repairs	do.	·		14.00	.30
	Irrigation fuel cost Irrigation lube cost	: do. ;			.90	.02
	Irrigation repair cost	do.			3.49	.07
	Machinery labor	hour '	4.319	3.250	14.04	.30
	Other labor	do.	1.020	3.000	3.06	.06
	Irrigation labor	do.	3.816	3.250	12.40	. 26
	Interest on operating capital	dol.	62.073	.093	5.77	.12
	Total preharvest	: :			171.38	3.62
	Harvest:	-	:			
	Drying	•	: 52.000	.400	20.80	.44
	lisoteng		37.300	,100	3.78	.08
		: acre :	-		1.20 .41	.01
	Tractor repairs	• •	•		2.90	.01
	Equipment fuel and lube		:		3.73	.08
	Equipment repairs	: do. ; hour	•	3.250	8.52	.18
	Machinery labor Interest on operating capital	: dol.		.093	.18	.00
	Total harvest	: .	. 1.777	.072	41.52	.88
•		:			191.04	4.04
3.	Income above variable costs (line 1 less line 2)	:			1,1,0,0	
4.	Ownership costs (depreciation, taxes, interest, and insurance):	•				
		•			10.10	. 21
		:			27.80	, 59
	Irrigation equipment	:			2.75	.06
	Total ownership costs	:			40.65	.86
5.	Return to land, overhead, risk, and management (line 3 less line 4)	:			150.39	3,18
6.	General farm overhead	:			17.13	.36
7.	Land charge (land price) <u>3</u> /	:			75.00	1.59
8.	Management charge (7.0% of gross receipts)	:			28.28	.60
9.	Total costs (sum of lines 2, 4, 6, 7, and 8)	:			373.96	7.91
10.	Return to risk (line 1 less line 9)	:			29.98	.63

Table 9--Grand Prairie, Arkansas: Rice costs and returns, 1975 final

-- = Not applicable.

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1/ For item 2, C = A x B. 2/ D = C + 47.3. 3/ Land cost based on 9 percent for interest on investment and 1 percent for taxes and depreciation of improvements. Budget applies to harvested acres.

Table 10Mississippi Delta	(La., Ark., Miss	s., and Mo.):	Rice costs and	returns.	1975 final
			the conco whe	u - no ,	TALA FINGT

		:	Units	:Return or cost per:		
	Item	Unit	per acre	Unit Acre		Cwt of
		:	: (A)	: : (B)	(c) <u>1</u> / :	product (D) <u>2</u> /
			:		- Dollars	
1.	Gross receipts from production	: : cwt	: : 39.100	8,42	329.22	
2.	Variable costs:	:	:		213.91	5.47
	Preharvest:	:	:		213.91	5.47
	Seed (104 PC)	i do.	: 1.620	20,000	32.40	.83
	Nitrogen	· 1b	: 120.000	.270	32.40	.83
	Chemical No. 7	do.	· 1.000	4.350	4.35	,11
	Chemical No. 1	i do.	• 3.000	3.000	9.00	.23
	Chemical No. 2	do,	1.500	3.800	5.70	.15
	Custom air, seed	acre	1.380	2.000	2.76	.07
	Custom air, pesticide	do.	. 500	2.500	1.25	.03
	Custom air, pesticide	do.	1.500	2,500	3.75	.10
	Custom air, fertilizer	ao.	2.670	2.000	5.34	.14
	Custom air, pesticide	do.	1.000	3.000	3.00	.08
	Survey levees	aa.	1.000	.170	.17	.00
	Tractor fuel and lube	do.	: —		5.70	.15
	Tractor repairs	do.	·		2.54	.07
	Equipment fuel and lube	do.	·		1.20	.03
	Equipment repairs	j do.	:		4.47	.11
	Irrigation fuel cost	do.	:		14.45	.37
	Irrigation lube cost	do.	:		1.51	.04
	Irrigation repair cost	jdo.			8.02	.21
	Machinery labor	hour	3.882	2.300	8.93	. 23
	Other labor	do.	2.660	2.300	6.12	.16
	Irrigation labor	do.	3.297	2.300	7.58	.19
	Interest on operating capital	dol.	57.894	.093	5.38	.14
	Total preharvest	:	:		166.02	4.25
	Harvest:	:	:			
	Hauling	: CWE	: 39.100	.180	7.04	.18
	Drying	: do.	: 42.200	.590	24.90	.64
	Loading	: do.	: 42.200	.040	1.69	.04
	Tractor fuel and lube	: acre	:		1.77	.05
	Tractor repairs		:		.63	.02
	Equipment fuel and lube	: do.	:		2.36	.06
	Equipment repairs	: do.	:		3.57	.09
	Machinery labor	: hour :		2.300	5.86	.15
	Interest on operating capital	: dol. :	.749	. 093	.07	.00
	Total harvest	:			47.89	1.22
•	Income above variable costs (line 1 less line 2)	:			115.31	2.95
•	Ownership costs (depreciation, taxes, interest, and insurance):	:				
	Tractors	:			10.50	. 27
	Machinery and equipment	:			22.07	.56
	Irrigation equipment	:			5.60	.14
	Total ownership costs	:			38.17	.97
•	Return to land, overhead, risk, and management (line 3 less line 4)	:			77.14	1.97
	General farm overhead	:			15.34	
	Land charge (land price) 3/	:				.39
		:			50,00	1.28
	Management charge (7.0% of gross receipts)	:			23.05	. 59
•	Total costs (sum of lines 2, 4, 6, 7, and 8)	:			340.47	8.71
•	Return to risk (line 1 less line 9)	:			- 11.36	39

-- = Not applicable. 1/ For item 2, C = A x B. 2/ D = C \div 39.1. 3/ Land cost based on 9 percent for interest on investment and 1 percent for taxes and depreciation of improvements. Budget applies to harvested acres.

		: :	Units	: <u>Retu</u>	rn or cos	
	Item	Unit	per acre	Unit	Acre	: Cwt of : product
		::	(A)	<u>: (B) :</u>	(c) <u>1</u> /	: (D)2/
		:			Dollars ·	
1.	Gross receipts from production	cwt :	38.000	8.38	318.44	
2.	Variable costs:	: :			190.71	5.02
	Preharvest:				20.27	00
	Seed (105 PC)		T+110	22.500	30.37 19.25	. 80
	Nitrogen	16	55.000	- 350 . 280	15.68	.51 .41
	Phosphate	do.	56.000	.280	5.40	.41
	Potash	do.	60.000 4.000	. 330	1.32	.03
	Chemical No. 2	do.		.280	2.24	.06
	Chemical No. 4	do.	8,000 1,000	12.500	12.50	.33
	Chemical No. 1	do.		2.750	2.75	.07
	Custom air, pesticide	acre		2.750	.41	.01
	Custom air, pesticide	do.	.150	2.300	.92	.01
	Custom air, pesticide	do.	.400		10.00	.26
	Custom air, fertilizer	CWL	5.000	2.000		.09
	Tractor fuel and lube	acre			3.37	.09
	Tractor repairs	do.			1.72	
	Equipment fuel and lube	do.			1.22	.03
	Equipment repairs	do.			4.14	.11
	Irrigation fuel cost	do.			15.98	.42
	Irrigation lube cost	do.			.83	.02
	Irrigation repair cost	do.			4.32	.11
	Machinery labor	hour :	3.922	2.450	9.61	.25
	Other labor	do.	1.310	1.500	1.96	.05
	Irrigation labor	do.	2.016	2.450	4.94	.13
	Interest on operating capital	dol.	54.482	.092	5.01	.13
	Total preharvest	; ;			153.94	4.05
	Harvest:	: :		600	20.07	.55
	Drying	•	42.600	.490	20.87	.02
	Tractor fuel and lube	; acre :	-		.82	.02
	Tractor repairs		:		.48	.01
	Equipment fuel and lube		:		3.36	.11
	Equipment repairs	•	:		4.08	.11
	Machinery labor	: hour		2.450	7.08 .08	.00
	Interest on operating capital	: dol.	: .923	.092		.00
	Total harvest	:			36.77	
3.	Income above variable costs (line 1 less line 2)	:			127.73	3.36
4.	Ownership costs (depreciation, taxes, interest,	:				
	and insurance):	1			5.45	.14
	Tractors	:			19.04	.50
	Machinery and equipment	:			2.72	.07
	Irrigation equipment	:			27.21	.71
	Total ownership costs	:				
5.	Return to land, overhead, risk, and management (line 3 less line 4)	: : :			100.52	2.65
6.	General farm overhead	:			13.22	.35
7.	Land charge (land price) <u>3</u> /	:			59.52	1.57
8.	Management charge (7.0% of gross receipts)	:			22.29	. 59
9.	Total costs (sum of lines 2, 4, 6, 7, and 8)	:			312.95	8,24
10.	Return to risk (line 1 less line 9)	:			5.49	.14

Table 11--Southwest Louisiana: Rice costs and returns, 1975 final

-- = Not applicable. 1/ For item 2, C = A x B. 2/ D = C + 38. 3/ Land cost based on 20 percent of production less a corresponding share of drying cost. Budget applies to harvested acres.



		: :	Units	: Return or cost per:		
	Item	Unit	per acre	Unit	Acre	: Cwt of ; product
		:	(A)	: (B)	(c) <u>1</u> /	: (D) <u>2</u> /
		: :			- Dollars -	
ι.	Gross receipts from production	: cwt :	44.110	8.81	388.61	
2.	Variable costs:	: :			252.92	5.73
	Proharvest:	: :				55
	Seed (105 PC)	do,	1.200	23,500	28.20	.64
	Nitrogen	16	117.000	.330	38.61	.88
	Phosphate	do.	65.000	.260	16.90	.38
	Potash	do.	30.000	.070	2.10	,05
	Insecticide Chemical No. 1	do.	. 500	2.620	1.31	.03
	Chemical No. 8	acre	1.000	12.200	12.20	. 28
	Chemical No. 4	do.	.450	16.500	7.42	.17
	Custom air, fertilizer	: 1b acre :	10.000 5.070	.290	2.90	.07
	Custom air, pesticide	do.	1.000	2.000	10.14 2.30	.23
	Custom air, pesticide	do.	1.450	2.300	2.30	.05
	Custom air, seed	cwt	1.200	2.000	2.40	.00
	Tractor fuel and lube	acre			3.79	.09
	Tractor repairs	do.			1,67	.04
	Equipment fuel and lube	do.			2.66	.06
	Equipment repairs	do			4.88	.11
	Irrigation fuel cost	do.			23.72	.54
	Machinery labor	hour	4.579	4.000	18.31	.42
	Irrigation labor	do.	4.313		17.25	. 39
	Interest on operating capital	dol.	91.414	.092	8.41	.19
	Total preharvest	do.			208.58	4.73
	Harvest:					
	tr 1.t	cwt :	49.250	.163	8.03	.18
	Drying	: do. :	49.250	.450	22.16	.50
		: do. :	44,380	.050	2,22	.05
	Tractor fuel and lube	: acre :			1.07	.02
	Tractor repairs	: do. :			.49	.01
		: do. :			1.42	.03
		: do. ;			2.63	.06
		: hour :	1.416	4.000	5.67	.13
		: dol. :	7.044	.092	.65	.01
	Total harvest	:			44.34	1.01
•	Income above variable costs (line 1 less line 2)	:			135.69	3.08
•	Ownership costs (depreciation, taxes, interest, and insurance):	:				
	Tractors	:			9.27	.21
	Machinery and equipment				22.05	.50
	Total ownership costs				31.32	.71
	Return to land, overhead, risk, and management (line 3 less line 4)				104.37	2.37
	General farm overhead				17.30	. 39
	Land charge (land price) 3/	-				
	Management charge (7.0% of gross receipts)				50.99	1.16
					27.20	.62
	Total costs (sum of lines 2, 4, 6, 7, and 8)	:			379.73	8.61
•	Return to risk (line 1 less line 9) :				8.88	. 20

Table 12--Upper counties, Texas Gulf Coast: Rice costs and returns, 1975 final

R.

-- = Not applicable. 1/ For item 2, C = A x B. 2/ D = C + 44.11. 3/ Land cost computed on basis of 14 percent of production less a corresponding share of drying cost and sales commission. Second crop rice on 25 percent of acreage. Budget applies to harvested acres.

C UPDATA 1981

			Units	: <u>Ret</u>	urn or cost	
	Item	Unit	per acre	Unit	: Cwt of : product	
		• •	(A)	: (B)	(c) <u>1</u> /	: (D) <u>2</u> /
		: :			- Dollars -	
1.	Gross receipts from production	: cwt :	46.970	8.81	413.80	
2.	Variable costs:	: :			269.65	5.74
	Preharvest:	: :				
	Seed 105 PC)	i do i	1.140	23.500	26.79	. 57
	Nitrogen	: 15	163.000	. 330	53.79	1.15
	Phosphate	do.	52.000	. 260	13.52	.29
	Potash	do.	28.000	.070	1.96	.04
	Insecticide	acre	1.000	3.140	3.14	.07
	Chemical No. 1	do.	1.000	11.370	11.37	.24
	Chemical No. 8	do.	.100	11.800	1.18	.03
	Chemical No. 3	do.	1.000	8.870	8.87	.19
	Chemical No. 4	:1b : · · ·	3.900	.270	1.05	.02
	Custom air, pesticide	асте	1.000	2.240	2.24	.05
	Custom air, pesticide	do.	1.820	2.750	5.00	.11
	Custom air, seed	cwt	1.200	2,000	2.40	.05
	Custom air, fertilizer	do.	5.800	2.000	11.60	.25
	Tractor fuel and lube	acre			4.18	.09
	Tractor repairs	do. do. :			2.11 1.48	.04
	Equipment fuel and lube	do. :			4.18	.03
	Equipment repairs	do. 4			29.33	.62
	Irrigation fuel cost Machinery labor	; hour ;	3.555	3.180	11.31	.24
	Irrigation labor	: do. :	4.313	3.180	13.72	.29
	Interest on operating capital	i dol. i	95.569	.092	8.79	.19
	Total preharvest	: :	90.009	.0)2	218.01	4.64
	•	: :	1			1,
	Harvest:	: :	F0 / 10		o	10
	Hauling	: cwt :	52.430	.164	8.60	.18
	Drying	: do. :		.500	26.21 2.36	.56
	Sales commission	; do. ;	47.240	.050	1.20	.05
	Tractor fuel and lube	: acre :			.66	.03 .01
	Tractor repairs	: do. ;			.80	.01
	Equipment fuel and lube	: do. : . do			3.68	.04
	Equipment repairs	hour .	1.983	3.180	6.31	.13
	Machinery labor Interest on operating capital	. dol		.092	.63	.01
	Total harvest	:	0.901	1071	51.64	1.10
~		:			144.15	3.67
3.	Income above variable costs (line 1 less line 2)	:			144.17	3.07
4.	Ownership costs (depreciation, taxes, interest,	;				
	and insurance):	:			8.75	.19
	Tractors	:			27.50	.59
	Machinery and equipment	:			36.25	.78
	Total ownership costs	:			J0.2J	.70
5.	Return to land, overhead, risk, and management (line 3 less line 4)	:			107.90	2.30
6.	General farm overhead	:			18.05	.38
7.	Land charge (land price) 3/	:			42.38	.90
8.	Management charge (7.0% of gross receipts)	:			28.97	. 62
		•			395.30	8.42
9.	Total costs (sum of lines 2, 4, 6, 7, and 8)					

Table 13-Lower counties, Texas Gulf Coast: Rice costs and returns, 1975 final

-- = Not applicable.

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C UPDATA 1981

 $\frac{1}{2}$ For item 2, C = A x B. $\frac{1}{2}$ D = C + 46.97. $\frac{3}{2}$ Land cost computed on basis of 11 percent of production less a corresponding share of drying cost and sales commission. Second crop rice on 75 percent of acreage. Budget applies to harvested acres.

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			Units	: Return or cost per:		
	Item	Unit	per acre	Unit	Acre	: Cwt of : produc:
		:	(A)	: (B)	: (c) <u>1</u> /	: (D) <u>2/</u>
		:	:		- Dollars -	
1.	Gross receipts from production		. 57.50	7.65	439.88	
2.	Variable costs:	: :	:		213.58	3.71
	Preharvest:	: :				3.71
	Seed (104 PC)	do.	1.610	15.250	24.55	.43
	Nitrogen	1ь.	110.000	.310	34.10	.60
	Phosphate	do.	30.000	.300	9.00	.16
	Zinc	do.	10.500	. 330	3.46	.06
	Chemical No. 4	acre	.100	3.000	.30	.01
	Parathion	pt	.060	3.000	.18	.00
	Chemical No. 2	16	15.900	.430	6.84	.12
	Chemical No. 5	: :	10.440	.210	2.19	.04
	Chemical No. 6	acre	.080	9.000	.72	.01
	Custom air, seed	do,	1.610	2.250	3.62	.05
	Custom air, fertilizer	: do. :	2.500	1.250	3.12	
	Sustom air, pesticide	; do. :	.530	2.000		.05
	Custom air, pesticide	: do. :	.870	2.750	1.06	.02
	Custom air, pesticide	: do. :	.820		2.39	.04
	Tractor fuel and lube	: do. :		2.300	1.89	.03
	Tractor repairs				8.50	.15
	Equipment fuel and Lube	do.			6.43	.11
	Equipment repairs	do.			1.27	.02
	Irrigation fuel cost	do.			5,13	.09
	Machinery labor	do.			17.00	.30
	Other labor	hour	4.123	3.500	14.43	.25
		do.	2.860	3.500	10.01	.17
	Irrigation labor	do.	1.000	3.500	3.50	.06
	Interest on operating capital Total preharvest	dol.	67.335	.090	6.06	.11
	Harvest:	: :			165.75	2.89
	Hauling		62 020	105		
	Drying	: cwt :	63.820	.125	7.98	.14
	Move equipment	; do. :	011010	.350	22.34	.39
	Equipment fuel and lube	: acre :		.500	.50	.01
		: do. :			3.72	.06
	Equipment repairs	: do. ;			6.79	.12
	Machinery labor	: hour :	1.847	3.500	6.46	.11
	Interest on operating capital	: dol. :	.480	.090	.04	.00
	Total harvest	:			47.83	.83
3.	Income above variable costs (line 1 less line 2)	:			226.30	3.94
÷.	Ownership costs (depreciation, taxes, interest, and insurance):	:				
	Tractors	:			9.68	.17
	Machinery and equipment	:			31.28	.15
	Total ownership costs	:			40.96	.72
5.	Return to land, overhead, risk, and management (line 3 less line 4)	:				
5.	General farm overhead	:			185.34	3.22
		:			24.61	.43
3.	Land charge (land price) <u>3/</u>	:			87.98	1.53
	Management charge (7.0% of gross receipts)	:			30.79	•54
).		:			397.92	6.92
ŀ.	Return to risk (line 1 less line 9)	:			41.96	.73

Table 14--Sacramento Valley, California: Rice costs and returns, 1975 final

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2.

-- = Not applicable. 1/ For item 2, C = A x B. 2/ D = C \div 57.5. 3/ Land cost computed on basis of 20 percent of production. Budget applies to all harvested acres of rice in California.



		: :	Units per acre	: Return or cost per:		
	Item	Unit		Unit Acre		Cwt of product
		<u> </u>	(A)	: (B)	: (c) <u>1</u> / :	(D)2/
		: :			<u>Dollars</u> -	
1.	Gross receipts from production	: cwt	46.860	8,95	419.40	
Z.	Variable costs:	: :			197.83	4.22
	Preharvest:	•				
	Seed (104 PC)	do.	1.400	15.000	21.00	.45
	Nitrogen	16	100.000	.200	20.00	.43
	Potash	do.	30.000	.090	2.70	.06
	Molinate	do.	3.000	4.000	12.00	.26
	Propanil	do.	4.000	3.000	12.00 3.17	.26
	2,4,5 - T	; qt	2.700	3.170 2.000	5.40	.12
	Custom air, fertilizer	cwt	1.000	2.050	2.25	.05
	Custom air, herbicide	acre do.	1.000	3.000	3.00	.06
	Custom air, herbicide Custom air, herbicide	: do.	1.000	3.500	3.50	.07
	Survey levees	i do.	1.000	2.000	2.00	.04
	Tractor fuel and lube	do.			6.12	.13
	Tractor repairs	; do.			3.86	.08
	Equipment fuel and lube	; do,	:		1.83	.04
	Equipment repairs	· do.			5.64	.12
	Irrigation fuel cost	· do.	·		14.50	.31
	Irrigation lube cost	do.			.22	.00
	Irrigation repair cost	do.			.41	.01
	Machinery labor	hour	4.996	3.250	16.24	.35
	Other labor	do.	1.020	2.500	2.55	.05
	Irrigation labor	do.	3.816	3.250	12.40	.26
	Interest on operating capital Total preharvest	dol.	59.892	.087	5.21 156.00	.11 3.33
	Harvest:	-	:			
	Drying	: cwt	: 52.010	.400	20.80	.44
	Hauling	: do.	: 37.490	.100	3.75	.08
	Tractor fuel and lube	: acre	:		1.23	.03
	Tractor repairs	: do.	:		.67	.01
	Equipment fuel and lube	: do.	:		2.41	.05
	Equipment repairs		:		6.07	.13
	Machinery labor	: hour		3.250	6.76	.14
	Interest on operating capital	: dol.	: 1.458	.087	.13	.00
	Total harvest				41.83	.89
3.	Income above variable costs (line 1 less line 2)				221.57	4.73
4.	Ownership costs (depreciation, taxes, interest,					
	and insurance):				10.75	.23
	Tractors				30.41	.65
	Machinery and equipment Irrigation equipment				2.97	.05
	Total ownership costs				44.12	.94
5.	Return to land, overhead, risk, and management (line 3 less line 4)				177.45	3.79
6.	General farm overhead				18.19	. 39
7.	Land charge (land price) <u>3</u> /				100.94	2.15
8.	Management charge (7.0% of gross receipts)				29.36	.63
9.	Total costs (sum of lines 2, 4, 6, 7, and 8)				390.44	8.33
	•				28.96	,62
10.	Return to risk (line 1 less line 9)				20,90	•••2

Table 15--Northeast Arkansas: Rice costs and returns, 1976 final

-- = Not applicable.

1/ For item 2, C = A x B. 2/ D = C + 46.86. 3/ Price received - SRS average plus \$1.70 adjustment payment to allotment holders. Land cost - FLB District rate plus 1 percent for taxes and depreciation. Budget applies to harvested acres.

	Th	-	Units	Return or cost per:			
	Item	Unit	per acre	Unit	Acre		
		:	(A)	: (B)	(c) <u>1</u> /	product (D)2/	
			:		- Dollars -		
1.	Gross receipts from production		: : 50.210	8.95	449.38		
2.	Variable costs:	-	:	0.35			
	Preharvest:	:	:		211.79	4.73	
	Seed (104 PC)	do.	: 1.400	15.000	21.00	.42	
	Nitrogen	1b	120.000	.200	24.00	.42	
	Potash	do.	30.000	.090	2.70	.05	
	Zinc	do.	1.000	7.000	7.00	.14	
	Molinate Propanil	do.	3.000	4.000	12.00	.24	
	2,4,5 - T	do.	4.000	3.000	12.00	.24	
	Custom air, fertilizer	qL	1.000	3.170	3.17	.06	
	Custom air, herbicide	cwt acre	3.100 1.000	2.000 2.250	6.20	.12	
	Custom air, herbicide	: do. :	1.000	3.000	2.25 3.00	.04	
	Custom air, herbicide	do.	1.000	3.500	3.50	.08	
	Survey levees	do.	1.000	2.000	2,00	.04	
	Tractor fuel and lube	do.			6.12	.12	
	Tractor repairs	do.			3.86	.08	
	Equipment fuel and lube Equipment repairs	do.			1.83	.04	
	Irrigation fuel cost	do.			5.64	.11	
	Irrigation lube cost	; do. ;			14.50	. 29	
	Irrigation repair cost	: do. :			.22 .41	.00 .01	
	Machigers labor	hour i	4.996	3.250	16.24	.32	
	Other lain	do.	1.020	2,500	2.55	.05	
	Irrigation labor	do.	3.816	3.250	12.40	.25	
	Interest on operating capital Total preharvest	dol.	64.484	.087	5.61 168.20	.11 3.35	
	Harvest:	; ;					
	Drying	: cwt :	55.740	.400	22.30	.44	
	Hauling	: do. :		.100	4.02	.08	
	Tractor fuel and lube	: acre :			1.23	.02	
	Tractor repairs Four property and take	: do. ;			.67	.01	
	Equipment fuel and lube Equipment repairs	: do. :			2.41	.05	
	Machinery labor	: do. : : hour :	2.079	3.250	6.07	.12	
	Interest on operating capital	: dol. :	1.458	.087	6,76 .13	.13	
	Total harvest	:	11450		43.59	.87	
3.	Income above variable costs (line 1 less line 2)	:			237.59	4.73	
4.		:				4172	
	Tractors	:			10.75	.21	
	Machinery and equipment	:			30.41	.61	
	Irrigation equipment Total ownership costs	•			2.97	.06	
5.	Return to land, overhead, risk, and management (line 3 less line 4)	:			44.12	.88	
6.	General farm overhead	:			193.47	3.85	
o. 7.		:			18.19	.36	
	Land charge (land price) <u>3/</u>	:			109.76	2.19	
3. n	Management charge (7.0% of gross receipts)	:			31.46	.63	
9.	Total costs (sum of line 2, 4, 6, 7, and 8)	:			415.31	8.27	
).	Return to risk (line 1 less line 9)	:			34.07	.68	

Table 16--Grand Prairie, Arkansas: Rice costs and returns, 1976 final

-- = Not applicable. 1/ For item 2, C = & x B. 2/ D = C + 50.21. 3/ Price received - SRS average plus \$1.70 adjustment payment to allotment holders. Land cost - FLB District rate plus 1 percent for taxes and depreciation. Budget applies to harvested acres.

Table 17Mississippi Delta (La., Ark., Miss., and Mo.):	Rice costs and returns, 1976 final
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		:	· Units	: Return or cost per:		
	Item	Unit :	per acre	Unit Acre		Cwt of product
		: :		: (B) :	(c) <u>1</u> / :	(D)2/
			<u>(A)</u>	<u>: (b/ :</u>		
					Dollars -	
		cwt :	: 43.820	8.49	372.03	
-		: :	:		228.18	5.21
•	Variable costs: Preharvest:	: :	:			
	Seed (104 PC)	do.	1.620	15.000	24.30	.55
	Nitrogen	1b	120.000	.200	24.00	.55
	2,4,5 - T	qt	1.000	4.350	4.35	.10
	Propanil	1b	4.000	3.000	12.00	.27
	Molinate	do.	3.000	3.800	11.40	.26
	Custom air, seed	CWE	1.380	2.000	2.76	.06
	Custom air, herbicide	acre	2.000	2.500	5.00	.11
	Custom air, fertilizer	cwt.	2.670	2.000	5.34	.12
	Custom air, herbicide	acre	1.000	3.000	3.00	.07
	Survey levees	do.	1.000	3,000	3.00	.07
	Tractor fuel and lube	do.			6.47	.15
	Tractor repairs	do.		_	4.92	.11
	Equipment fuel and lube	do.			1.22	.03
	Equipment repairs	do.			4.21	.10
	Irrigation fuel cost	do.			22.59	.52
	Irrigation lube cost	do.	·		2.60	.06
	Irrigation repair cost	do.			2.69	.06
	Machinery labor	hour	4.241	2.500	10.60	.24
	Other labor	do.	2.660	2.500	6.65	.15
	Irrigation labor	do.	3.297	3.000	9.89 5.32	.12
	Interest on operating capital Total preharvest	dol.	61.129	.087	172.31	3.93
	Harvest:	:	:			
	Hauling	: cwt	: 48.640	.180	8.76	.20
	Drying and storage	: do.	: 48.640	. 590	28.70	.65
	Loading	: do.	: 43.820	.040	1.75	.04
	Tractor fuel and lube	: acre	:		1.82	.04
	Tractor repairs	: do.	:		1.02	.02
	Equipment fuel and lube	: do.	:		2.41	.06
	Equipment repairs	: do.	:		5.40	.12
	Machinery labor	: hour		2.500	5.92	.14
	Interest on operating capital	: dol.	: 1.028	.087	.09	.00
	Total harvest	:			55.87	1.28
ı.	Income above variable costs (line 1 less line 2)	:			143.85	3.28
i .	Ownership costs (depreciation, taxes, interest,	:				
	and insurance):	•			11.23	.26
	Tractors				23.64	.54
	Machinery and equipment	•			6.03	.14
	Irrigation equipment Total ownership costs	:			40.90	.93
5.	Return to land, overhead, risk, and management (line 3 less line 4)	:			102.95	2.35
<u>د</u>	General farm overhead	:			16.29	.37
6. 7.	Land charge (land price) <u>3</u> /	:			74.48	1.70
	Management charge (7.0% of gross receipts)	:			26.04	. 59
8.	-	:			385.89	8.81
9.	Total costs (sum of line 2, 4, 6, 7, and 8)					32
0.	Return to risk (line 1 less line 9)	•			- 13.86	34

	:	Units	: Return or cost per:			
Item	Unit	per acre	Unit	Acre	: Cwt of	
		: (A)	: : (B)	: : (C)1/	: produc : (D) <u>2</u> /	
		:	<u> </u>		<u>. ())</u>	
1. Gross receipts fiom production		: : 38.900	8 22	- <u>Dollars</u> ·		
2. Variable costs:	:	: 30.900	8.23	320.15		
Preharvest:	:	:		180.32	4.64	
Seed (105 PC)	÷	:				
Nitrogen	do.	1.350	19.100	25.79	.66	
Phosphare	16	68.000	.159	10.81	. 28	
Potash	do.	48.000	.171	8.21	.21	
Ordram	do. do.	48.00	.083	3.98	.10	
Furadan	. do.	4.500	.370	1.66	.04	
Propanil	do.		.320	3.26	- 08	
Custom air, herbicide		4.000	4.150	16.60	-43	
Custom air, insecticidu	acre do.	1.000	2.750	2.75	.07	
Custom air, herbicide	: do.	.150 .300	1.650	.25	.01	
Custom air, fertilizer	cwt	5.000	1.650	.49	.01	
Custom air, seed	: do.	1.350	1.750	8.75	.22	
Tractor fuel and lube	: acre :	1.330	2.000	2.70	-07	
Tractor repairs	; do.			3.37	• 09	
Equipment fuel and lube	; do. ; do. ;			2.17	.06	
Equipment repairs	: do. :			1.15	.03	
Irrigation fuel cost	: do. :	 		4.32	.11	
Irrigation lube cost	: do. :			10.68	. 2.7	
Irrigation repair cost	• do. •			.16	.00	
Machinery Labor	hour :	3,804	3.250	.41	.01	
Other labor	do.	1.310	2.500	12.36	.32	
Irrigation labor	: do. :	2.016	3.250	3.27	.08	
Interest on operating capital	dol. :	49,760	.086	6.55	.17	
Total preharvest		43,700	.000	4.28 134.00	.11 3.44	
Harvest:					31.14	
Drying	: cwt :	43.180	.620	26.77	.69	
Tractor fuel and lube	: acre :	_		.87	.03	
Tractor repairs	: do. ;			.51	.02	
Equipment fuel and lube	: do. ;			3.32	.01	
Equipment repairs	: do. :			5.36	.14	
Machinery labor	: hour :	2.891	3.250	9.39	. 24	
Interest on operating capital	: dol. :	1.134	.086	.10	.00	
Total harvest	:			46.32	1.19	
. Income above variable costs (line 1 1	ess line 2) :			139.83	3.59	
 Ownership costs (depreciation, taxes, and insurance): 	: interest, : :				2.37	
Tractors	:			5.90	.15	
Machinery and equipment	:			21.29	.55	
Irrigation equipment	:			2.96	.08	
Total ownership costs	:			30.14	.00	
 Return to land, overhead, risk, and ma (line 3 less line 4) 	anagement :					
. General farm overhead	:			109.69	2.82	
. Land charge (land price) 3/	:			14.04	.36	
 Management charge (7.0% of gross receiption) 	t (58.68	1.51	
. Total costs (sum of line 2, 4, 6, 7, a				22.41	. 58	
. Return to risk (line 1 less line 9)	:			305.59	7.86	
	:			14.56	.37	

Table 18--Southwest Louisiana: Rice costs and returns, 1976 final

-- = Not applicable. 1/ For item 2, C = A x B. 2/ D = C + 38.9. 3/ Price received - SRS average plus \$1.70 adjustment payment to allotment holders. Land cost based 30 Price received - SRS average plus \$1.70 adjustment payment to allotment holders. Land cost based 30 Price received - SRS average plus \$1.70 adjustment payment to allotment holders. on 20 percent of production less a corresponding share of drying cost. Budget applies to harvested acres.

/

	:	;	Units	: Return or cost per: : : : : : : Cwt of			
	Item :	Unit	per acre	Unit ;	Acre :	product	
		1	(A)	<u>: (B) :</u>	(C) <u>1</u> / :	(D) <u>2/</u>	
					Dollars -	•	
		cwt :	47.020	8.91	418.95		
	Variable costs:				237.74	5.06	
•	Preharvest:						
	Seed (105 PC)	do.	1.200	19.100	22.92	.49	
	Nitogen	1b	117.000	.210	24.57	.52	
	Phosphate	do.	65.000	.160	10.40	.22	
	Potash	do.	30.000	.070	2.10	.04	
	Insecticide	acre	. 500	2.620	1.31	.03	
	Propanil	15	3.000	3.500	10.50	.22	
	Propanil-Ordram	do.	2.250	3,500	7.88	.17	
	Furadan	do.	17.000	.320	5.44	.12	
	Custom air, fertilizer	cwt	5.070	2.000	10.14	.22	
	Custom air, insecticide	acre	1.500	1.400	2.10	.04	
	Custom air, herbicide	do.	1.450	2.950	4.28	.09	
	Custom air, seed	cwt	1.200	2.150	2.58	.05	
	Tractor fuel and lube	acre			4.10	. 09	
	Tractor repairs	do.			2.79	.06	
	Equipment fuel and lube	do.			2.97	.06	
	Equipment repairs	· do.		`	5.50	.12	
	Irrigation fuel cost	do.		_	23.72	.50	
		hour	÷ 4.579	4.250	19.46	.41	
	Machinery labor	do.	4.313	4.250	18.33	. 39	
	Irrigation Labor	dol.	81.761	.085	6.95	.15	
	Interest on operating capital Total preharvest	:	:		188.03	4.00	
	Harvest:	:	:	1/0	0.95	.18	
	Hauling	: cwt	: 52.200	.160	8.35 23.49	.50	
	Drying	: do.	: 52.200	.450	23.49	.07	
	Sales commission	: do.	: 47.020	.070	1.16	.02	
	Tractor fuel and lube	: acre			.78	.02	
	Tractor repairs	: do.	:			.03	
	Equipment fuel and lube		: —		1.54	.03	
	Equipment repairs		:		4.40 6.02	.13	
	Machinery labor	: hour		4,250	6.02 .67	.01	
	Interest on operating capital	: dol.	: 7.916	.085		1.06	
	Total harvest	:			49.71		
3.	Income above variable costs (line 1 less line 2)	:			181.21	3.85	
4.	Ownership costs (depreciation, taxes, interest,	:					
	and insurance):	;			9.57	.20	
	Tractors	•			24.00	.51	
	Machinery and equipment Total ownership costs	: :			33.57	.71	
5.	Return to land, overhead, risk, and management (line 3 less line 4)	:			147.64	3.14	
6.	General farm overhead	:			18.37	. 39	
7.	Land charge (land price) 3/	:			54.90	1.17	
8.	Management charge (7.0% of gross receipts)	:			29.33	.62	
9.	Total costs (sum of line 2, 4, 6, 7, and 8)	:			373.91	7.95	
- •	Return to risk (line 1 less line 9)	:			45.04	.96	

Table 19--Upper counties, Texas Gulf Coast: Rice costs and returns, 1976 final

-- = Not applicable.

1/ For item 2, C = A x B. $\frac{1}{2}$ / D = C + 47.02. $\frac{3}{2}$ / Price received - SRS average plus \$1.70 adjustment payment to allotment holders. Land cost - 14 percent of production less 14 percent of drying cost and sales commission. Second crop - 25 percent of Price received - SRS average plus \$1.70 adjustment payment to allotment holders. Land cost - 14 percent of production less 14 percent of drying cost and sales commission. Second crop - 25 percent of acres. Budget applies to harvested acres.



			: Units	Return or cost per:			
	TLEM	Unit	per acre	Unit	: Асте	: Cwt of	
		:	: (A)	: : (B)	:	; produc: ; (D) <u>2</u> /	
		;	;		- Dollars		
1.	Gross receipts from production	: cwt	: : 49.020	8.91	436.77		
2.	Variable costs:	:	:	0.71			
		:	:		263.14	5.37	
	Seed (105PC)	'do.	: 1.200	19.100	22.92	.47	
	Nitrogen	• 1b	163.000	,210	34.23	.70	
	Phosphate	do.	52.000	.160	8.32	.17	
	Potash	do.	28.000	.070	1.96	.04	
	Insecticide	acre	1.000	2.430	2.43	.04	
	Propanil	: 1b	3.000	3.500	10.50	.21	
	Propani1-Ordram	do.	5.000	3.500	17.50	. 36	
	Furadan	do.	17.000	.320	5.44	.11	
	Ordram	do.	.300	3.500	1.05	.02	
	Custom air, insecticide	acre	2.000	1.400	2,80	.02	
	Custom air, herbicide	do.	2.000	2,950	5.90	.12	
	Custom air, seed	cwt	1.200	2.150	2.58		
	Custom air, fertilizer	do.	5.800	2.000		.05	
	Tractor fuel and lube	acre :		2.000	11.60	.24	
	Tractor repairs	do.			4.52	.09	
	Equipment fuel and lube	do. :			3.70	.08	
	Equipment repairs	do.			1.65	.03	
	Irrigation fuel cost	do.			4.77	.10	
	Machinery labor	: bour :			29.33	.60	
	Itrigation labor		3.555	3.430	12.19	.25	
	Interest on operating capital	dc.	4.313	3.430	14.79	.30	
	Total preharvest	dol.	90.168	.085	7.66 205.85	.16 4.20	
	Harvest:	•				4120	
	n1	cwt :		.160	8.71	10	
		do. :		.500	27.20	.18	
		do. :		.070	-	.55	
		acre :			3.43	.07	
		do. :			1.30	.03	
					.89	.02	
		do. : do. :			2.16	.04	
		hour :			6.16	.13	
	Tabana a success to a			3.430	6.80	.14	
	Total harvest	dol.:	7.550	.085	.64	.01	
					57.29	1.17	
•	Income above variable costs (line 1 less line 2)				173.63	3.54	
•	Ownership costs (depreciation, taxes, interest, : and insurance):						
	Tractors				9.19	10	
	Machinery and equipment					.19	
	Total ownership costs				29.06 38.25	.59 .78	
•							
	General farm overhead				135.38	2.76	
	Land charge (land price) <u>3/</u>				19.16	.39	
:	-				40.61	.83	
	Management charge (7.0% of gross receipts) :				30.57	.62	
•	Total costs (sum of lines 2, 4, 6, 7, and 8)				391.74	7.99	
•	Return to risk (line 1 less line 9) :				45.03	.92	

	Table 20Lower	counties,	Texas (Gulf	Coast:	Rice	costs	and	returns.	1976	final
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---- = Not applicable.

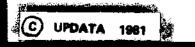
1/ For item 2, $C = A \times B$). 2/ D = C + 49.02. 3/ Price received - SRS average plus \$1.70 adjustment payment to allotment holders. Land cost - 10 Price received - SRS average plus \$1.70 adjustment payment to allotment holders. percent of production less 10 percent of drying cost and sales commission. Second crop on 75 percent of acres. Budget applies to harvested acres.

			Units	: Return or cost per: : : : : Cwt (
	, Item	Unit :	per acre	Unit	Acre :	product	
			(A)	: (B) :	<u>(c)1/ :</u>	<u>(b)2/</u>	
					Dollars -		
		cwt :	55,200	8.61	475.27		
					221.86	4.02	
. V		: :			222.00		
	Preharvest: Seed (104 PC)	ao :	1.610	15,250	24.55	.44	
	Nitrogen	: 1h :	110.000	. 200	22.00	.40	
	Phosphate	do.	311.000	.300	9.00	.16	
	Zinc	do.	10.500	.330	3.46	.06	
	Furadan	do.	4,000	.375	1.50	.03	
	Parathion	pt)	.100	2.220	.22	.00	
	Ordram	16	3.000	3.600	10.80	. 20	
	MCPA	oz	10.440	.210	2.19	.04	
	Copper sulfate	acre	.080	9.000	.72	.01	
	Custom air, seed	cwt	1.610	2.250	3.62	.07 .16	
	Custom air, fertilizer	do.	7.000	1.250	8.75	.04	
	Custom air, herbicide	acre	1.000	2.000	2.00 2.39	.04	
	Custom air, herbicide	do.	.870	2.750	3.22	.04	
	Custom air, insecticide	do.	1.400	2.300	7.55	.14	
	Tractor fuel and lube	do.	·		7.60	,14	
	Tractor repairs	do.	:		1.19	,02	
	Equipment fuel and lube	do.	:		5.65	.10	
	Equipment repairs	do. do.	:		17.00	,31	
	Irrigation fuel cost	: hour	: 3.746	3.750	14.05	.25	
	Machinery labor	: do.	2.860	3.250	9,29	.17	
	Other labor	: do.	· 1.000	3.750	3.75	.07	
	Irrigation labor	· dol.	: 68.968	.082	5.66	.10	
	Interest on operating capital Total preharvest	;	:		55.69	3.01	
	•	•	•				
	Harvest: Nauling	: CWE	61.270	.125	7.66	,14	
	Drying	: do.	: 61.270	.450	27.57	.50	
	Move equipment	; acre	: 1.000	.500	.50	.01	
	Equipment fuel and lube	: do.	:		3.90	.07	
	Equipment repairs	: do.	;		9.08	.16	
	Machinery labor	: hour	: 1.847	3.750	6.93	.13	
	Interest on operating capital	: dol.	: .561	.082	.05	.00	
	Total harvest	:			55.69	1.01	
3.	Income above variable costs (line 1 less line 2)	:			253.41	4.59	
4.	Ownership costs (depreciation, taxes, interest, and insurance):	:					
	Tractors	:			11.72	.21	
	Machinery and equipment	:			33 12	.60	
	Total ownership costs	:			44.84	.81	
5.	Return to land, overhead, risk, and management (line 3 less line 4)	:			208.57	3.78	
6.	General farm overhead	:			26.13	.47	
7.	Land charge (land price) <u>3</u> /	:			95.05	1.72	
8.	Management charge (7.0% of gross receipts)	:			33.27	.60	
9.	Total costs (sum of lines 2, 4, 6, 7, and 8)	:			421.15	7.63	
-	Return to risk (line 1 less line 9)	•			54.12	.98	

Table 21--Sacramento Valley, California: Rice costs and returns, 1976 final

-- - Not applicable.

1/ For item 2, C = A x B).
2/ D = C + 55.2.
3/ Price received - SRS average plus \$1.70 adjustment payment to allotment holders. Land cost - 20 percent of production. Budget applies to harvested acres for all California rice.



			Units	: Return or cost per:			
	Item	Unit	per acre	Unit	: Cwt of		
		•		:	Acre	: produc	
			(A)	: (B)	: (c) <u>1/</u>	<u>: (D)2/</u>	
_		; ;			- Dollars		
1.	Gross receipts from production	: cwt :	42.700	8.92	380.88		
2.	Variable costs:	: :	:		211.33	4.95	
	Preharvest:	: :				4.33	
	Seed (104 PC)	do.	1.400	14.300	20.02	.47	
	Nitrogen	÷ 15 ÷	100.000	.170	17.00	.40	
	Potash	: do. :	30,000	.090	2.70	.06	
	Molinate	: do. :	3.000	3.300	9.90	.23	
	Propanil	ido. i	4.000	2.130	8.52	.20	
	2,4,5 - T	.qt .	1.000	3.320	3.32	.08	
	Custom air, fertilizer	cwt :	2.700	2.500	6.75	.16	
	Custom air, herbicide	acre :	1.000	2.250	2.25	.05	
	Custom air, herbicide	· do. ·	1.000	3.000	3.00	.07	
	Custom air, herbicide	ido. :	1.000	4.000	4.00	.07	
	Survey levees	'do. :	1.000	2.000	2.00	.05	
	Tractor fuel and lube	: do. :			7.21	.05	
	Tractor repairs	do.			4.18	.10	
	Equipment fuel and lube	: do. :			1.91	.04	
	Equipment repairs	: do. :			6.01		
	Irrigation fuel and lube	: do. :			16.03	.14 .38	
	Irrigation lube cost	: do. :			.24		
	Irrigation repair cost	do. i			. 24	.01	
	Machinery labor	: hour :	5.003	4.050	20.26	.01	
	Other labor	do. :	1.020	3.000	3.06	.47	
	Irrigation labor	: do. :	3.816	4.050		.07	
	Interest on operating capital	; dol. ;	61.605	.081	15.45	.36	
	Total preharvest	:	01.005	.001	4.99	.12	
	Harvest:	: :			159.26	3.73	
	Drying	: :					
	Hauling	: cwt :	47.440	- 600	28.46	.67	
	Tractor fuel and lube	: do. :	33.440	.100	3.34	.08	
	Tractor repairs	: acre :	~-		1.45	.03	
	Equipment fuel and lube	: do. :			.75	.02	
	Equipment repairs	: do. :	~ •		2.71	.06	
		: do. :			6.80	.16	
	Machinery labor	: hour :	2.079	4.050	8.42	. 20	
	Interest on operating capital	: dol. :	1.704	.081	.14	.00	
	Total harvest	:			52.07	1.22	
3.	Income above variable costs (line 1 less line 2)	:			169.55	3.97	
••	Ownership costs (depreciation, taxes, interest, and insurance):	• : :					
	Tractors	:			11.39	. 27	
	Machinery and equipment	:			33.39	.78	
	Irrigation equipment	:			3.17	.07	
	Total manager is a set	:			47.95	1.12	
•	Return to land, overhead, risk, and management (line 3 less line 4)	:					
	Canonal Form averband	:			121.60	2.85	
		:			19.21	.45	
	Land charge (land price) 3/	:			109.25	2.56	
•	Management charge (7.0% of gross receipts)	:			26.66	.62	
•	Total costs (sum of lines 2, 4, 6, 7, and 8)	:			414.40	9.70	
•	Potyro to wish (line 1 line line A)				- 33,51		

Table 22--Northeast Arkansas: Rice costs and returns, 1977 preliminary

--- = Not applicable. <u>1</u>/ For item 2, C = A x B. <u>2</u>/ D = C + 42.7. <u>3</u>/ Land cost based upon Federal Land Bank average interest rate for the District plus 1 percent for taxes and depreciation of improvements. Budget applies to harvested acres.

.

			Units	: Return or cost per		
	Item	Unit	per acre	: Unit :	Acre : (C) <u>1</u> / :	produc (D)2/
			(A)	<u>; (B) ;</u>		<u>(D)=</u>
		: :			Dollars -	
		cwt :	45.200	8.92	403.18	
		: :			226.19	5.00
•	Variable costs: Preharvest:	: :				
	Seed (104 PC)	do.	1.400	14.300	20.02	.44
	Nitrogen	15	120.000	.170	20.40	.45
	Potash	do.	30.000	.090	2.70	.06
	Zinc	do. j	1.000	7.650	7.65	.17
	Molinate	do.	3.000	3.300	9.90	.22
	Propanil	do.	4.000	2.130	8.52	.19
	2,4,5 - T	qt	1.000	3.320	3.32	.07 .17
	Custom air, fertilizer	cwt	3.100	2.500	7.75	
	Custom air, herbicide	acre	1.000	2.750	2.75	.06 .07
	Custom air, herbicide	, ao. ,	1.000	3.000	3.00	.07
	Custom air, herbicide	do.	1.000	4.000	4.00 2.00	.09
	Survey levees	do.	1.000	2.000	7.21	.16
	Tractor fuel and lube	do.			4.18	. 09
	Tractor repairs	do.			1.91	.04
	Equipment fuel and lube	do.			6.01	.13
	Equipment repairs	do.	:		16.03	.35
	Irrigation fuel cost	do. do.	:		.24	,01
	Irrigation lube cost	: do.			.46	.01
	Irrigation repair cost	: hour	5,003	4.050	20.26	.45
	Machinery labor	: do.	1.020	3.000	2.06	.07
	Other labor	: do.	: 3.816	4.050	15.45	.34
	Irrigation labor	dol.	66.629	.081	5.40	.12
	Interest on operating capital Total preharvest	:			172.21	3.81
	Harvest:	:	:	600	30.10	.67
	Drying	: cwt	: 50.170	.600 .100	3.62	.08
	Hauling	: do.	: 36.160 ·	•100	1.45	.03
	Tractor fuel and lube	: acre	: ·		.75	.02
	Tractor repairs	: do.	•		2.71	.06
	Equipment fuel and lube	•	: :		6.80	.15
	Equipment repairs	: do. : hour	• • • • • •	4,050	8.42	.19
	Machinery labor	: dol.	·	.081	.14	.00
	Interest on operating capital Total harvest		. 1		53.98	1.19
		:			176.99	3.92
3.	Income above variable costs (line 1 less line 2)	:			1/0.99	3,72
4.	Ownership costs (depreciation, taxes, interest, and insurance):	:				
	Tractors	:			11.39	.25
	Machinery and equipment	:			33.39	.74
	Irrigation equipment	:			3.17	.07
	Total ownership costs	:			47.95	1.06
5.	Return to land, overhead, risk, and management (line 3 less line 4)	:			129.04	2.85
6.	General farm overhead	:			19.21	.43
7.	Land charge (land price) 3/	:			118.75	2.63
8.	Management charge (7.0% of gross receipts)	:			28.22	.62
9.	Total costs (sum of lines 2, 4, 6, 7, and 8)	:			440.33	9.74
		-			- 37.14	82

Table 23---Grand Prairie, Arkansas: Rice costs and returns, 1977 preliminary

-- = Not applicable.

1/ For item 2, C = A x B. 2/ D = C + 45.2. 3/ Land cost based upon Federal Land Bank average interest rate for the District plus 1 percent for taxes and depreciation of improvements. Budget applies to harvested acres.



Table 24Mississippi De	ta (La., Ark., Miss., and Mo.):	Rice costs and returns, 1977 preliminary

		: :	: Units	: Return or cost per:			
	Item	Unit	per acre	Unit	Асте	: Cwt of	
		: :		: : (B)	: : (C) <u>1</u> /	: produc : (D) <u>2</u> /	
		: :			- Dollars		
1.	Gross receipts from production	: cwt :	40.200	8.92	358.58		
2.	Variable costs:	: :			221.62	5.51	
	Preharvest:	: :				3.51	
	Seed (104 PC)	do.	1.620	12.000	19.44	.48	
	Nitrogen	: _{1b} :	120.000	.155	18.60	.46	
	2,4,5 - T	i at i	T.000	4.040	4.04	.10	
	Propanil	16	4_000	2.280	9.12	.23	
	Molinate	do.	3.000	3.100	9.30	.23	
	Custom air, seed	cwt '	1.380	2.250	3.10	.08	
	Custom air, herbicide	acre :	2.000	2.500	5.00	.12	
	Custom air, fertilizer	cwt :	2.670	2.250	6.01	.15	
	Custom air, herbicide	acre	1.000	3.500	3.50	.09	
	Survey levees	do.	1.000	3.000	3.00	.07	
	Tractor fuel and lube	do.			7.62	.19	
	Tractor repairs	do.			5.32	.13	
	Equipment fuel and lube	do. :	~-		1.27	.03	
	Equipment repairs	do.			4.42	.11	
	Irrigation fuel cost	do. :			26.61	. 66	
	Irrigation lube cost	do.			3.06	.08	
	Irrigation repair cost	do.			2.96	.07	
	Machinery labor	: hour :	4.249	2.750	11.68	.29	
	Other labor	¹ do. ¹	2.660	2.750	7.31	.18	
	Irrigation labor	i do. i	3.297	3.300	10.88	.27	
	Interest on operating capital Total preharvest	dol.	59.023	.081	4.78 167.04	.12 4.16	
	Harvest:	: :				1110	
	Hauling		44 690	100			
	Drying and storage	: cwt :	44.620	.180	8.03	. 20	
	Loading	: do. :	44.620	.590	26.33	.65	
	Tractor fuel and lube	: do. :	40.200	.040	1.61	.04	
	Tractor repairs	: acre :			2.14	.05	
	Equipment fuel and lube	: do. : : do. :			1.12	.03	
	Equipment repairs	: do. :			2.71	.07	
	Mechinery labor	: hour :	3 370	 0 750	6.03	.15	
	Interest on operating capital	: dol. :	2.370	2.750	6.52	.16	
	Total harvest	: 001. :	1.121	.081	.09	.00	
		-			54.58	1.36	
3.	Income above variable costs (line 1 less line 2)	:			136.96	3.41	
••	Ownership costs (depreciation, taxes, interest, and insurance):	:					
	Tractors	:			11.96	. 30	
	Machinery and equipment	1			25.40	.63	
	Irrigation equipment	:			6.50	.16	
	Total ownership costs	:			43.87	1.09	
	Return to land, overhead, risk, and management (line 3 less line 4)	:			93.09	2.32	
i.	General farm overhead	:					
	Land charge (land price) 3/	:			17.20	.43	
3.	Management charge (7.0% of gross receipts)	:			76.00	1.89	
).	Total costs (sum of lines 2, 4, 6, 7, and 8)	:			25.10	0.62	
		:			383.79	9.55	
).	Return to risk (line 1 less line 9)	:			- 25.21	63	

-- = Not applicable. 1/ For item 2, C = A x B. 2/ D = C + 40.2. 3/ Land cost based upon Federal Land Bank average interest rate for the district plus I percent for taxes and depreciation of improvements. Budget applies to harvested acres.

			Units	: <u>Re</u>	t per:	
	Item	Unit	per acre	Unit	Acre	: Cwt of : product
		<u> </u>	(A)	; (B)	: (C) <u>1/</u>	: (D) <u>2/</u>
					- Dollars	
1.	Gross receipts from production	cwt :		8.92	317.55	
2.	• •	: :			174.01	4.89
<u>.</u>	Preharvest:	: :				
	Seed (105 PC)	do,	1.350	16.500	22.27	.63
	Nitrogen	1b	68.000	.150	10.20	. 29
	Phosphate	do.	48,000	.170	8.16	. 23
	Potash	do.	48.000	. 090		.12
	Ordram	do.	4.500	.350		.04
	Furadan	do.	10.200	. 320		.09
	Propanil	do.	4.000	2.400		. 27
	Custom air, herbicide	acre	1.000	2 830		,08 ,01
	Custom air, insecticide	do.	.150	1,700		.01
	Custom air, herbicide	do.	.300	1.700 2.000		.28
	Custom air, fertilizer	cwt	5.000 1.350	2.000		.08
	Custom air, seed	dv.	1.350	2.000	3.78	.11
	Tractor fuel and lube	acre do.			2.39	.07
	Tractor repairs	: do. :		 _	1.27	.04
	Equipment fuel and lube	; do. :		<u>-</u>	4.54	.13
	Equipment repairs	; do. ;	·		11.83	.33
	Irrigation fuel cost	: do. :			.18	.00
	Irrigation lube cost Irrigation repair cost	: do. :			.46	.01
	Machinery labor	: hour	3.811	3.500		.37
	Other labor	do.	1.310	2.750	3.60	.10
	Irrigation labor	do.	2.016	3.500	7.06	.20
	Interest on operating capital	dol.	47.406	.083	3.93	.11
	Total preharvest	:			128.15	3.60
	Harvest:	: :				(0
	Drying	: cwt :	39.520	.620		.69
	Tractor fuel and lube	; acre :			.97	.03
	Tractor repairs		:		.55	.02 .10
	Equipment fuel and lube	• •	:		3.68 5.94	.10
	Equipment repairs	: do.		3.500		.28
	Machinery labor	: hour		.083		
	Interest on operating capital	: dol.	: 1.240	•000	45.86	
	Total harvest	:				
3.	Income above variable costs (line 1 less line 2)	;			143.54	4.03
4.	Ownership costs (depreciation, taxes, interest, and insurance):	:			6.33	. 18
	Tractors	:			23.02	
	Machinery and equipment	:			23.02	.05
	Irrigation equipment	:			32.55	.09
	Total ownership costs	:				
5.	Return to land, overhead, risk, and management (line 3 less line 4)	:			110.99	3.12
6.	General farm overhead	:			15.78	.44
7.	Land charge (land price) $\underline{3}/$:			58.61	1.65
8.	Management charge (7.0% of gross receipts)	:			22.23	.62
9.	Total costs (sum of lines 2, 4, 6, 7, and 8)	:			303.17	8.52
	100m - 100m - 1 - 1 - 1 - 1 - 1 - 1	1			14.38	

Table 25--Southwest Louisiana: Rice costs and returns, 1977 preliminary

-- = Not applicable.

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- Not applicable. $\frac{1}{2}$ / For item 2, C = A x B. $\frac{2}{2}$ / D = C + 35.6. $\frac{3}{2}$ Land cost based on 20 percent of production less a corresponding share of drying cost. Budget applies to harvested acres.

		:	: Units	: Return or cost per:			
	Item	Unit	per acre	Unit	Acre	: Cwt of	
		:	(A)	(B) :	(C) <u>1</u> /	: produc : (D) <u>2</u> /	
	Gross receipts from production		: 45,200				
2.	Variable costs:		43.200	89.2	403.18		
••	Preharvest:				249.33	5.52	
	Seed (105 PC)	:	1 200	15 000			
	Nitrogen	do. 1b	1.200	15.000	18.00	.40	
	Phosphate	: do. :	65.000	.200	23.40	. 52	
	Potash	: do. :	30,000	.200	13.00	- 29	
	Insecticide	: acre	-500	2.620	$2.70 \\ 1.31$.06	
	Propanil	; 1b ;	3.000	2.820	8.49	.03 .19	
	Propanil-Ordram	: do. :	2.250	3.160	7.11	.19	
	Furadan	do.	17.000	.300	5.10	.10	
	Custom air, fertilizer	cwt	5.070	2,000	10.14	.22	
	Custom air, insecticide	acre :	1.500	1.900	2.85	.06	
	Custom air, herbicide	do.	1.450	2.350	3.41	.08	
	Custom air, seed	CWL	1.200	2.350	2.82	.06	
	Tractor fuel and lube	acre			4.71	.10	
	Tractor repairs	do.			3.08	.07	
	Equipment fuel and lube	do.			3.19	.07	
	Equipment repairs	do.			6.01	.13	
	Irrigation fuel cost	do.	-	·	23.72	.52	
	Machinery labor	hour :	4.579	5.500	25.18	.56	
	Irrigation labor	do.	4.313	5.500	23.72	.52	
	Interest on operating capital Total preharvest	dol.	83.966	.081	6.80 194.74	.15 4.31	
	Harvest:	: :				,,,,,	
	Hauling	: cwt :	50,170	.200	10.03	. 22	
	Drying	: do. :	50.170	.480	24.08	.22	
	Sales commission	: do. :		.070	3.16	.07	
	Tractor fuel and lube	: acre :	_		1.33	.03	
	Tractor repairs	: do. :			.87	.02	
	Equipment fuel and lube	: do. :			1.77	.04	
	Equipment repairs	: do. :			4.85	.11	
	Machinery labor	: hour :	1.416	5.500	7.79	.17	
	Interest on operating capital	: dol. :	8.706	.081	.71	.02	
	Total harvest	:			54.59	1.21	
•	Income above variable costs (line 1 less line 2)	:			153.85	3.40	
•	Ownership costs (depreciation, taxes, interest, and insurance):	:					
		:			10.33	.23	
		:			25.91	.57	
	Total ownership costs	:			36,24	.80	
•	Return to land, overhead, risk, and management (line 3 less line 4)	:			117.61	2.60	
	General farm overhead	:					
•	Land charge (land price) 3/	:			18,72	.41	
•		:			52.63	1.16	
	Management charge (7.0% of gross receipts)	:			28.22	.62	
•	Total costs (sum of lines 2, 4, 6, 7, and 8)	•			385.14	8.52	
•	Return to risk (line 1 less line 9)	:			18.04	.40	

Table 26--- Upper counties, Texas Gulf Coast: Rice costs and returns, 1977 preliminary

 $\frac{1}{1} = \text{Not applicable.}$ $\frac{1}{1} = \text{Not applicable.}$ $\frac{1}{2} = C + 45.2.$ $\frac{3}{1} =$

		:	Units	: Return or cost per: : : Cwt of		
	Item	Ünit	per acre	Unit Acre : Cwe		
		:	(A)	: (B) :	- /	: (D) <u>2</u> /
		: ;			Dollars ·	
•		: : : cwt :	48.100	8.92	429.05	
1.	didab receipto real production	: CWL . : :	40.100	0.52		5,78
2.	Variable costs:	: :			278.21	2.70
	Preharvest: Seed (105 PC)	do.	1.200	15.000	18.00	.37
	Nitrogen	• 1ь •	163.000	. 200	32.60	.68
	Phosphate	do.	52.000	, 200	10.40	. 22
	Potash	do.	28.000	.090	2.52	.05
	Insecticide	acre	1.000	2.430	2.43	. 05
	Propanil	1ь	3.000	2.830	8.49	.18
	Propanil-Ordram	do.	5.000	3.160	15.80	.33
	Furadan	do.	17.000	.300	5.10	.11
	Ordram	do.	.400	3.500	1.40	.03
	Custom air, insecticide	acre	2.000	2.240	4.48	.09
	Custom air, herbicide	do.	2.000	2.850	5.70	.12
	Custom air, seed	cwt	, 1.200	2.150	2.58	.05
	Custom air, fertilizer	do.	5.800	2.250	13.05	.27
	Tractor fuel and lube	acre			5.19	.11
	Tractor repairs .	do.			4.08	.08
	Equipment fuel and lube	do. (1.77	.04
	Equipment repairs	do.			5.27	.11
	Irrigation fuel cost	do.			29.33	.61
	Machinery labor	hour	3.555	5.000	17.78	. 37
	Irrigation labor	do.	4.313	5.000	21.56	.45
	Interest on operating capital	dol.	94.121	.081	7.62	.16
	Total preharvest	:	•		215.15	4.47
	Harvest:	:	:		10 (0	
	Hauling	: cwt	: 53.390	.200	10.68	. 22
	Drying	; do.	: 53.390	.500	26.69	.55
	Sales commission		: 48.100	.070	3.37	.07
	Tractor fuel and lube	: acre			1.49	.03
	Tractor repairs	: do.	:		.98	.02
	Equipment fuel and lube	: do.	:		2.48	.05
	Equipment repairs	• == -	:	 F 000	6.79 9.91	. 14
	Machinery labor	: hour		5.000 .081	9.91	.01
	Interest on operating capital	: dol.	: 8.175	.081	63.06	1.31
	Total harvest	;				
3.	Income above variable costs (line 1 less line 2)	;			150.84	3.14
4.	Ownership costs (depreciation, taxes, interest,	:				
	and insurance):	•			9.92	. 2
	Tractors				31.52	. 60
	Machinery and equipment	•			41.44	.80
	Total ownership costs	:			41,44	.0.
5.	Return to land, overhead, risk, and management	:			109.40	2.2
ć	(line 3 less line 4)	:			19.90	.41
6.	General farm overhead	:			39,90	.8:
7.	Land charge (land price) $\frac{3}{}$:			30.03	.6
8.	Management charge (7.0% of gross receipts)	:			409.48	8.5
9.	Total costs (sum of lines 2, 4, 6, 7, and 8)	:				
10.	Return to risk (line 1 less line 9)	:			19.57	. 4

Table 27--Lower counties, Texas Gulf Coast: Rice costs and returns, 1977 preliminary

-- = Not applicable.

 $\frac{1}{2}$ For item 2, C = A x B. $\frac{2}{2}$ D = C + 48.1.

 $\frac{3}{2}$ Land cost computed on basis of 10 percent of production less a corresponding share of drying cost and sales commission. Second crop rice on 75 percent of acreage. Budget applies to harvested acres.

	: :	Units	:Retu	rn or cost	
Item	Unit	per acre	Unit	Асте	: Cwt o : produc
	: :	(A)	: (B)	: (c) <u>1</u> /	; (D)2
	; ;			~ Dollars	
1. Gross receipts from production	: :	50 100	0 02		
	: cwt :		8.93	518.25	
2. Variable costs:	: :			256.08	4.4
Preharvest: Seed (104 PC)	. ,		10 050		-
Nitrogen	do. 15	1.610 118.000	12,250	19.72	. 34
Phosphace	; do. :	50.000	.200	23.60	.4]
Zinc	: do. ;	25.000	.135	10.50 3.37	.14
Furadan	: do. :	4.000	.450	1.80	.0
Parathion	pt :	.100	3.000	.30	.0
Ordram	: _{1b} . :	3.000	3.600	10.80	.1
MCPA	: oz ;	8.700	.110	.96	.0
Copper sulfate	acre :	.400	2.000	.80	.0
Custom air, seed	cwt	1.610	2.500	4.02	.0
Custom air, fertilizer	do.	9.160	1.250	11.45	.2
Custom air, herbicide	acre	1.000	2.200	2.20	.0
Custom air, herbicide	do.	.870	2.850	2.48	.0
Custom air, insecticide	do.	1.400	1.250	1.75	. 03
Survey levees	_ do	.330	1.400	.46	.0.
Move equipment	do.	1.000	.450	.45	.0
Tractor fuel and lube	do.		~-	8.17	.1
Tractor repairs	do.			8.34	.1
Equipment fuel and lube	do.			1.32	. 0.
Equipment repairs	do.			7.51	.1
Irrigation fuel cost	do.			25.00	. 4
Machinery labor Other labor	hour	3.854	6.000	23.13	. 41
Irrigation labor	do.	2.860	4.500	12.87	. 2
Interest on operating capital	do.	1.000	4.500	4.50	. 01
Total preharvest	dol.	84.369	.075	6.33 191.83	.1: 3.3(
Harvest:	: :			171.05	7.7
	: :	61 100			
	: cwt :	64.490	.150	9.67	.1
	: do. ; : acre :	64.490	.450	29.02	.50
	: acre : : do. :	1.000	.650	.65 3.75	-01
	: do. :			10.02	.00
	: hour :	1.847	6.000	11.08	.1
····	: dol. :	.701	.075	.05	.0(
Total harvest	:	1701	.075	64.25	1.1
. Income above variable costs (line 1 less line 2)	:				
-	:			262.17	4.5
	:				
Tractors	•			12 12	2
Machinery and equipment	•			13.13 35.79	.23
Total ownership costs	:			48.92	.62 .84
-	•			40.92	
 Return to land, overhead, risk, and management (line 3 less line 4) 	:			213.25	3.67
. General farm overhead	:			27.59	.47
Land charge (land price) 3/	:			103.65	1.78
. Management charge (7.0% of gross receipts)	:			36.28	.62
Total costs (sum of lines 2, 4, 6, 7, and 8)	:				
· ····································				472.52	8.13
. Return to risk (line 1 less line 9)				45.73	.79

Table 28--Sacramento Valley, California: Rice costs and returns, 1977 preliminary

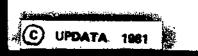
 $\frac{1}{2}$ For item 2, C = A x B. $\frac{2}{2}$ D = C + 58.1. $\frac{3}{2}$ Land cost computed on basis of 20 percent of production. Budget applies to harvested acres.

		: :	Units	: Return or cost per:		
	Item	Unit	per acre	Unit Acre		: Cwt of : product
		· · ·	(A)	: (В)	: (c) <u>1</u> /	: (D) <u>2</u> /
		: :	:		- Dollars -	
1.	Gross receipts from production	: cwt :	47.410	9.00	426.69	
2.	Variable costs:	: :		,,,,,	233.76	6 93
۷.	Preharvest:	: :	:		233.76	4.93
	Seed (104 PC)	i do. i	1.400	19.000	26.60	.56
	Nitrogen	: 15 :	100.000	.172	17.20	.36
	Potash	i do. I	30,000	.091	2.73	.06
	Molinate	do.	3.000	3.231	9.69	.20
	Propanil	do.	4.000	2.085	8.34	.18
	2,4,5 - T	qt :	1,000	3.250	3.25	.07
	Custom air, fertilizer	· cwt ·	2.700	2.500	7.32	.15
	Custom air, herbicide	acre :	1.000	2.250	2.25	.05
	Custom air, herbicide	· do. :	1.000	3.000	3.00	.06
	Custom air, herbicide	: do. :	1.000	4.000	4.00	.08
	Survey levees	: do. :	1.000	2.180	2.18	.05
	Tractor fuel and lube	: do. :			7.39	.16
	Tractor repairs	: do. :			4.59	.10
	Equipment fuel and lube	[;] do. [;]			2.21	.05
	Equipment repairs	: do. :			6.59	.14
	Irrigation fuel cost	do.			17.55	.37
	Irrigation lube cost	do.			, 26	.01
	Irrigation repair cost	do.			.50	.01
	Machinery labor	hour	5.003	4.410	22.06	.47
	Other labor	do.	1.020	3.270	3.34	.07
	Irrigation labor	[:] do. [:]	3.816	4.410	16.83	.35
	Interest on operating capital	dol.	67.572	.081	5.47	.12
	Total preharvest	: :			173.37	3.66
	Harvest:	: :	•			
	Drying	: cwt :	52.630	.650	34.21	.72
	Hauling	: do. :	37.930	.110	4.17	.09
	Tractor fuel and lube	: acre :			1.49	.03
	Tractor repairs	: do. :			.82	.02
	Equipment fuel and lube	: do. :	:		2.91	.06
	Equipment repairs	: do. :			7.47	.16
	Machinery labor	: hour :	2.079	4.410	9.17	.19
	Interest on operating capital	: dol. :	1.865	.081	.15	.00
	Total harvest	:			60.39	1.27
3.	Income above variable costs (line 1 less line 2)	:			192.93	4.07
4.	Ownership costs (depreciation, taxes, interest, and insurance):	:				
	Tractors	:			12.35	.26
	Machinery and equipment	:			36.27	.77
	Irrigation equipment	:			3.43	.07
	Total ownership costs	:			52.05	1.10
5.	Return to land, overhead, risk, and management (line 3 less line 4)	: :			140.88	2.97
6.	General farm overhead	:			20.12	.42
7.	Land charge (land price) 3/	:			115.90	2.44
8.	Management charge (7.0% of gross receipts)	:			29.87	.63
9.	Total costs (sum of lines 2, 4, 6, 7, and 8)	:			451.69	9.53
0.	Return to risk (line 1 less line 9)	:			- 25.00	53
	MORNEN DA FISK (TRUE 1 1000 1106 2)	•			20.00	

Table 29--Northeast Arkansas: Rice costs and returns, 1978 projected

-- = Not applicable.

 $\frac{1}{2}$ For item 2, C = A x B. $\frac{2}{2}$ D = C + 47.41. $\frac{3}{2}$ Land cost based upon Federal Land Bank average interest rate for the district plus 1 percent for taxes and depreciation of improvements. Budget applies to harvested acres.



	_		Units per acre	: Return or cost per: : Unit : Acre : Cwt of		
	Item	Unit		Unit :	; produc	
		: :	(A)	: (B) ;	(C) <u>1</u> /	: (D)2/
		: :			Dollars	
1.	Gross receipts from production	: cwt :	49.630	9.00	446.67	
2.	Variable costs:	: :			248.75	5.01
	Preharvest:	: :			410115	5.01
	Seed (104 PC)	ido. i	1,400	19.000	26,60	.54
	Nitrogen	: 1ь. ;	120.000	.172	20.64	. 42
	Potash	do. :	20.000	.091	2.73	.06
	Zinc	do.	1.000	7.760	7.76	.16
	Molinate	do.	7.000	3.231	9.69	.20
	Propanil	do.	4.000	2.085	8.34	.17
	2,4,5 - T	qt	1,000	3.250	3.25	.07
	Custom air, fertilizer	cwt	3.100	2.500	8.41	.17
		acre		2.750	2.75	.06
	Custom air, herbicide	do.	1.000	3.000	3.00	.06
	Custom air, herbicide	do.	1.000	4.000	4.00	,08
	Survey levees	do.	1,000	2.180	2.18	.04
	Tractor fuel and lube	do.		***	7.39	.15
	Tractor repairs	do.			4.59	.09
	Equipment fuel and lube	do.			2.21	.04
	Equipment repairs Irrigation fuel cost	do.			6.59	.13
		do.			17.55	. 35
	Irrigation lube cost	ido. i ido i			.26	.01
	cooc				.50	.01
	Machinery labor Other labor	nour	5.003	4.410	22.06	.44
	Irrigation labor	do. : do :	1.020	3.270	3.34	.07
			3.816	4.410	16.83	.34
	Interest on operating capital Total preharvest	dol.	72.680	.081	5.89 186.57	.12 3.76
	Harvest:	: :			1001.07	3.70
	Drying	cwt.	55.090	.650	35.81	.72
	Hauling	do	39./00	.110	4.37	.09
	Tractor fuel and lube	acres.		••=	1.49	.03
		do.			.82	.02
	Equipment fuel and lube	do			2.91	.02
	Equipment repairs	do.			7.47	.15
	Machinery labor	hour .	2.079	4.410	9.17	.18
	Interest on operating capital	dol.	1.865	.081	.15	.00
	Total harvest				62.18	1,25
3.	Income above variable costs (line 1 less line 2)					
					197.92	3.99
•••	Ownership costs (depreciation, taxes, interest,	:				
	and insurance):					
	Tractors Monbinery and conference	:			12.35	.25
	Machinery and equipment	:			36.27	.73
	Irrigation equipment Total ownership costs	:			3.43	.07
					52.05	1.05
•	Return to land, overhead, risk, and management (line 3 less line 4)				145.87	2.94
	General farm overbead				20.12	.41
	Land charge (land price) 3/				125.88	2.54
	Management charge (7.0% of gross receipts)					
	-				31.27	.63
	Total costs (sum of lines 2, 4, 6, 7, and 8)				478.06	9.63
•	Return to risk (line 1 less line 9)				- 31.39	63

Table 30--Grand Prairie, Arkansas: Rice costs and returns, 1978 projected

 $\frac{1}{2}$ For item 2, C = A x B. $\frac{1}{2}$ D = C + 49.63. $\frac{3}{2}$ Land cost based upon Federal Land Bank average interest rate for the district plus 1 percent for taxes and depreciation of improvements. Budget applies to harvested acres.



		; ;	Units	: Return or cost per:			
	Item	Unit	per acre	Unit	Acre	: Cwt of	
			(A)	: : (B)	: : (c) <u>1</u> /	: product : (D) <u>2</u> /	
		· · · ·		·		<u>, (D)=/</u>	
		: :			~ Dollars		
1.		cwt :		9.00	386.64		
2.	variable costs:	: :			246.83	5.74	
	Preharvest:	:. :					
	Seed (104 PC)	do.	1.620	19.000	30.78	.72	
	Nitrogen	16.	120.000 1.000	.157	18.84	.44	
	2,4,5 - T	qt 1b	4.000	3.955 2.232	3.96 8.93	.09	
	Propanil Molinate		3.000	3.035	8.93 9.10	.21 .21	
	Custom air, seed	do. cwt	1.380	2.250	3.37	.08	
	Custom air, herbicide	: acre :	2.000	2.500	5.00	.12	
	Custom air, fertilizer	: acre :	2.670	2.250	6.52	.15	
	Custom air, herbicide	: acre	1.000	3.500	3.50	.08	
	Survey levees	: do. :	1.000	3.270	3.27	.08	
	Tractor fuel and lube	: do. :	1.000	3.270	7.81	.18	
	Tractor repairs	do.			5.84	, 14	
	Equipment fuel and lube	: do. :			1.48	.03	
	Equipment repairs	: do. :			4.86	.03	
	Irrigation fuel cost	: do. :			27.26	.63	
	Irrigation lube cost	; do. ;	·		3.14	.03	
		: do. :	 		3.25	.07	
	Irrigation repair cost Machinery labor	hour :	4.249	3.000	12.75	.30	
	Other labor	do.	2.660	3.000	7.98	.30	
		: do. :	3.297	3.600	11.87	.28	
	Irrigation labor	: dol. :	66.532	.081	5.39	.13	
	Interest on operating capital Total preharvest	:	00.332	.001	184.88	4.30	
	Karvest:						
		cwt :	47.690	. 200	9.54	,22	
	-	: do, ;	47.690	.640	30.52	.71	
	• •	: do, :		.040	1.72	,04	
		: acre :			2.20	.05	
		: do. :		<u></u>	1.23	.03	
	•	: do. :			2.91	.07	
	• •	: do. :		~-	6.63	.15	
	• • •	: hour :	2,370	3.000	7.11	.17	
	•	: dol. :		.081	.10	.00	
	Total harvest	:			61.95	1.44	
2	· · · · · · · · · · · · · · · · · · ·	:			319.81	3.25	
3.	Income above variable costs (line 1 less line 2)	1			313.91	5.65	
4.	Ownership costs (depreciation, taxes, interest, and insurance):	:					
	Tractors	•			12.84	.30	
	Machinery and equipment	•			27.38	.64	
	Irrigation equipment				6.97	.16	
	Total ownership costs	:			47,19	1.10	
5.	Return to land, overhead, risk, and management	;					
-	(line 3 less line 4)	:			92,62	2.16	
6.	General farm overhead				18.02	.42	
7.	Land charge (land price) $3/$:			80.75	1.88	
8.	Management charge (7.0% of gross receipts)	:			27.06	.63	
9.	Total costs (sum of lines 2, 4, 6, 7, and 8)	1			419.85	9.77	

Table 31--Mississippi Delta (La., Ark., Miss., and Mo.); Rice costs and returns, 1978 projected

-- = Not applicable.

1/ For item 2, C = A x B. 2/ D = C + 42.96. 3/ Land cost based upon Federal Land Bank average interest rate for the district plus 1 percent for taxes and depreciation of improvements. Budget applies to harvested acres.

		: :	Units	: Return or cost per:		
	Item	Unit ;	per acre			
		: :	(A)	· (B) :	(c) <u>1</u> /	: product : (D) <u>2</u> /
		: :			Dollars	
1.	Gross receipts from production	: cwt :	38.750	9.00	348.75	
2.	Variable costs:	: :			189.86	4.90
	Preharvest:	• •				
	Seed (105 PC)	do.	1.350	19.000	25.65	.66
	Nitrogen	- 15. г	68.000	.152	10.34	.27
	Phosphate	do.	48.000	.173	8.30	.21
	Potash	do.	48.000	.091	4.37	.11
	Ordram	do.	4.500	.343	1.54	.04
	Furadan	: do. :	10.200	. 313	3.20	.08
	Propanil	· do. ·	4.000	2,350	9.40	.24
	Custom air, herbicide	acres	1.000	2,830	2.83	.07
	Custom air, insecticide	do.	.150	1,700	.25	.01
	Custom air, herbicide	: do. :	.300	1,700	.51	.01
	Custom air, fertilizer	: cwt :	5.000	2.000	10.85	
	Custom air, seed	• •				.28
	Tractor fuel and lube	do.	1.350	2,060	3.02	.08
		acre			4.06	.10
	Tractor repairs	do.			2.63	.07
	Equipment fuel and lube	_ do			1.39	.04
	Equipment repairs	do.			4.98	.13
	Irrigation fuel cost	do.			12.97	.33
	Irrigation lube cost	do.			.19	.01
	Irrigation repair cost	_ do			.50	.01
	Machinery labor	hour	3.811	3.810	14.52	.37
	Other labor	do.	1,310	3.000	3.93	.10
	Irrigation labor	: do. :	2.016	3,810	7.68	,20
	Interest on operating capital	dol.	50.867	.083	4.22	.11
	Total preharvest	:			137.34	3.54
	Harvest:	: :				
	Drying	: cwt ;	43.010	.680	29.25	:75
	Tractor fuel and lube	: acre :			1.04	.03
	Tractor repairs	: do. :			.60	. 02
	Equipment fuel and lube	: do. :			3.98	.10
	Equipment repairs	: do. :			6.52	.17
	Machinery labor	: hour :	2.891	3.810	11.01	.28
	Interest on operating capital	: dol. :	1.351	.083	.11	.00
	Total harvest		1.371	.005	52.52	1.36
з.	Income above variable costs (line 1 less line 2)	:			158.89	4.10
4.	Ownership costs (depreciation, taxes, interest,	:			170.03	4.10
	and insurance):	-				
	Tractors	:				
		:			6.86	.18
	Machinery and equipment	;			25.01	.65
	Irrigation equipment	:			3.45	.09
	Total ownership costs	:			35.32	.91
5.	Return to land, overhead, risk, and management (line 3 less line 4)	;			123.57	3.19
6.	General farm overhead	:				
7.	Lend charge (land price) 3/	:			16.57	.43
8.	Management charge (7.0% of gross receipts)	:			63.90	1.65
9.	Total costs (sum of lines 2, 4, 6, 7, and 8)	:			24.41	.63
, . 10.	Return to risk (line 1 less line 9)	:			330.06	8.52
	vergru no trav (trus r teap true a)	•			18.69	.48

Table 32--Southwest Louisiana: Rice costs and returns, 1978 projected

-- - Not applicable.

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 $\frac{1}{2}$ For item 2, C = A x B. $\frac{2}{2}$ D = C + 38.75. $\frac{3}{2}$ Land cost based on 20 percent of production less a corresponding share of drying costs. Budget applies to harvested acres.

			URICS	: Return or cost per: : : Cwt of		
	Item	Unit		Unit Acre Cwi		
				: (B) ;	(c) <u>1</u> /	(D) <u>2/</u>
		: :			<u>Dollars</u>	
1.	Gross receipts from production	: : : cwt :	45.950	9.00	413.55	
2.	Variable costs:	: :			267.27	5.82
	Preharvest:	: :				
	Seed (105 PC)	do.	1.200	19.000	22.80	.50
	Nitrogen	16	117.000	.203	23.75	.52
	Phosphate	. do	65.000	.203	13.19	. 29
	Potash	do.	30.000	.091	2.73	.06
	Insecticide	, acre ,	• 200	2.565	1.28	.03
	Propanil	_ 15 _ ;	3.000	2.771	8.31	.18
	Propanil-Ordram	do.	2.250	3.094	6.96	.15
	Furadan	do.	17.000	.294	4.99	.11
	Custom air, fertilizer	cwt (5.070	2.000	11.00	.24
	Custom air, insecticide	acre	1.500	1.900	2.85	.06
	Custom air, herbicide	do.	1.450	2.350	3.41	.07
	Custom air, seed	cwt	1.200	2.350	3.06	.07
	Tractor fuel and lube	acre			4.94	.11
	Tractor repairs	do.			3.38	.07
	Equipment fuel and lube	do.			3.55	.08
	Equipment repairs	do.			6.60	.14
	Irrigation fuel cost	do.			23.72	.52
	Machinery labor	hour :	4.579	5.990	27.43	.60
	Irrigation labor	do.	4.313	5.990	25.83	.56
	Interest on operating capital Total preharvest	dol.	89.716	.080	7.27 207.06	.16 4.51
	Harvest:	: :				
	Hauling	: CWE	51.010	.220	11.22	.24
	Drying	: do. :	51.010	.520	26.53	.58
	Sales commission		45,950	.080	3.68	.08
	Tractor fuel and lube	: acre :			1.40	.03
	Tractor repairs				.95	.02
	Equipment fuel and lube	: do. :			1.86	.04
	• •				5.33	.12
	Equipment repairs	: hour :	-	5.990	8.48	.18
	Machinery labor	: dol. :		.081	.78	.02
	Interest on operating capital Total harvest	: 101	, ,,,,,,		60.21	1.31
3.	Income above variable costs (line 1 less line 2)	:			146.28	3.18
4.	Ownership costs (depreciation, taxes, interest, and insurance);	:				
	Tractors	:			11.21	.24
	Machinery and equipment	:			28.16	.61
	Total ownership costs	:			39.37	.86
5.	Return to land, overhead, risk, and management (line 3 less line 4)	:			106.91	2.33
6.	General farm overhead	:			19.67	.43
7.	Land charge (land price) 3/	:			53.67	1.17
8.	Management charge (7.0% of gross receipts)	:			28.95	
9.	Total costs (sum of lines 2, 4, 6, 7, and 8)	:			408.93	8,90
0.	Return to risk (line 1 less line 9)	:			4.62	.10

Table 33--Upper counties, Texas Gulf Coast: Rice costs and returns, 1978 projected

-- = Not applicable

1/ For item 2, C = A x B. 2/ D = C + 45.95. 3/ Land cost computed on basis of 14 percent of production less a corresponding share of drying cost and sales commission. Second crop rice on 25 percent of acreage. Budget applies to harvested acres.

		: :	Units	: Return or cost per:		
	Item	Unit	per acre	Unit Acre : Cwt		
		: :	(A)	· (B) :	(c) <u>1</u> /	: product : (D) <u>2</u> /
_		:			· Dollars	<u> </u>
1.	Gross receipts from production	: cwt		9.00	436.86	
_	Variable costs:	: :		3100		6 10
_,	Preharvest:	: :	:		296.24	6.10
	Seed (105 PC)	do,	1.200	19.000	22.80	.47
	Nitrogen	1ь	163,000	. 203	33.09	,68
	Phosphate	do.	52.000	.203	10.56	.22
	Potash	do.	28.000	.091	2.55	.05
	Insecticide	acre	1.000	2.379	2.38	.05
	Propanil Realized	16	3.000	2.771	8.31	.17
	Propanil-Ordram Eventer	· do ·	5.000	3.094	15.47	.32
	Furadan Ordram	, do	17.000	.294	4.99	.10
		do.	.400	3.426	1.37	.03
	Custom air, insecticide Custom air, herbicide	acre	2.000	2.240	4.48	.09
	Custom air, seed	do.	2.000	2.850	5.70	.12
	Custom air, fertilizer	cwt do.	1,200 5,800	2.150 2.250	2.80 14.16	.06
	Tractor fuel and lube	: acre :	5.000	2.250	5.44	.11
	Tractor repairs	· do. ;			4.48	.09
	Equipment fuel and lube	: do. ;			1.97	.09
	Equipment repairs	: do. :			5.78	.12
	Irrigation fuel cost	do. :			29.33	.60
	Machinery labor	: hour :	3.555	5.450	19.38	.00
	Irrigation labor	do.	4.313	5.450	23.51	.48
	Interest on operating capital	: dol. :	99.841	.080	8.09	.43
	Total preharvest				226.63	4.67
	Harvest:	: :				
	Hauling	: cwt :		.220	11.85	.24
	Drying	: do. :	53.880	.550	29.63	.61
	Sales commission	: do. :	48.540	.080	3.88	.08
	Tractor fuel and lube	: acre :			1.56	.03
	•	: do. :			1.08	.02
	Equipment fuel and lube	: do. :			2.60	.05
	Equipment repairs Machinery labor	: do. :			7.46	.15
		: hour : : dol. :		5.450	10.81	.22
	Total harvest	: uor. ;	9.045	.081	.73 69.61	.02 1.43
3. :	Income above variable costs (line 1 less line 2)	:				
	Whership costs (depreciation, taxes, interest,	:			140.62	2.90
(and insurance):	-				
	Tractors	•			10.76	2.7
		:			10.76 34.26	.22
					45.02	.93
5. 1	Return to land, overhead, risk, and management	:				
	(line 3 less line 4)	:			95.60	1.97
6. (General farm overhead	:			20.77	.43
7. 1	Land charge (land price) <u>3</u> /	:			40.33	.83
8. 1	fanagement charge (7.0% of gross receipts)	:			30.58	.63
9. 1	Total costs (sum of lines 2, 4, 6, 7, and 8)	:			432.94	8,92
0. I	Return to risk (line 1 less line 9)	:			3.92	.08

Table 34--Lower counties, Texas Gulf Coast: Rice costs and returns, 1978 projected

-- = Not applicable.

1/ For item 2, C = A x B. $\frac{1}{2}$ / D = C + 48.54. $\frac{3}{2}$ / Land cost computed on basis of 10 percent of production less a corresponding share of drying cost and sales commission. Second crop rice on 75 percent of acreage. Budget applies to harvested acres.



		; ;	Units	: Return or cost per:			
	Item	Unit	per acre	Unit	: Cwt of		
		: :	(A)	: (B) :	(c) <u>1</u> /	: produc(: (D) <u>2</u> /	
	•	: :			Dollars		
1.		: : : : : : : : : : : : : : : : : : :	56.580	9.00	509.22		
2.	Variable costs:	: :			281.83	4.98	
	Preharvest:	: :					
	Seed (104 PC)	do.	1.610	19.000	30.59	. 54	
	Nitropon	110	118.000	. 203	23.95	.42	
	Phosphate	do.	50.000	.213	10.65	.19	
	Zinc	do.	25.000	.137	3.42	.06	
	Furadan	do.	4.000	.441	1.76	.03	
	Parathion	pt :	.100	2.937	. 29	.01	
	Ordram	1ь	3.000	3.524	10.57	.19	
	MCPA	oz	8.700	.108	.94	.02	
	Copper sulfate	acre	.400	1.958	.78	.01	
	Custom air, seed	cwt	1.610	2.500	4.37	.08	
	Custom air, fertilizer	do.	9.160	1.250	12.42	.22	
	Custom air, herbicide	асте	1.000	2.200	2.20	.04	
	Custom air, herbicide	do.	.870	2.850	2.48	.04	
	Custom air, insecticide	do.	1.400	1.250	1.75	.03	
	Survey levees	do.	.330	1.520	.50	.01	
	Move equipment	do.	1.000	.490	.49	.01	
	Tractor fuel and lube	: do. :			10.26	.18	
	Tractor repairs	: do. :			9.16	.16	
	Equipment fuel and lube	do. :			1.44	.03	
	Equipment regains	: do. :			8.24	.15	
	Irrigation fuel cost	do.			25.00	.44	
	Machinery labor	hour i	3.854	6.540	25.21	.45	
	Other labor	: do. :	2.860	4,900	14.01	. 25	
	Irrigation labor	do.	1.000	4.900	4.90	.09	
	Interest on operating capital	: dol.	94.095	.075	7.06	.12	
	Total preharvest	: : :			212,45	3.75	
	Harvest:	: :	1				
	Hauling	; cwt ;	62.800	.160	10.05	.18	
	Drying	: do. :	62.800	. 490	30.77	. 54	
	Move equipment	: асте :		.710	.71	.01	
	Equipment fuel and lube	: do. :			4.71	.08	
	Equipment repairs	: do. :		_	11.00	.19	
	Machinery labor	: hour :		6.540	12.08	.21	
	Interest on operating capital	; dol. ;	.784	.075	.06	.00	
	Total harvest	:			69.38	1.23	
3.	Income above variable costs (line 1 less line 2)	:			227.39	4.02	
4.	Ownership costs (depreciation, taxes, interest, and insurance):	:					
	Tractors	:			14.21	.25	
	Machinery and equipment	:			38.88	. 69	
	Total ownership costs	:			53.10	. 94	
5.	Return to land, overhead, risk, and management (line 3 less line 4)	:			174.29	3.08	
6.	General farm overhead	:			28.90	.51	
7.	Land charge (land price) <u>3</u> /	:			101.84	1.80	
8.	Management charge (7.0% of gross receipts)	:			35.65	.63	
9.	Total costs (sum of lines 2, 4, 6, 7, and 8)	:			501.32	8.86	
	Return to risk (line 1 less line 9)	•			7.90	.14	

Table 35--Sacramento Valley, California: Rice costs and returns, 1978 projected

-- - Not applicable.

1/ For item 2, C = A x B. $\frac{2}{2}$ / D = C + 56.85. 3/ Land cost computed on basis of 20 percent of production. Budget applies to all rice in California - harvested acres.

UNITED STATES DEPARTMENT OF AGRICULTURE WASHINGTON, D.C. 20250

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