

COST & RETURNS SUMMARY FOR RICE
COSTS OF PRODUCING RICE 1982
 BY JACK WILLIAMS, FARM ADVISOR - P. THOMAS, SRA
 SUTTER - YUBA - SACRAMENTO - PLACER COUNTIES

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
RICE	CWT.	10.850	70.000	759.50	
TOTAL RECEIPTS:				759.50	
2. VARIABLE COSTS:					
PREHARVEST:					
CONTRACT SURVEY	ACRE	2.000	1.000	2.00	
INSTALL BOXES	HOUR	7.200	0.160	1.15	
MOVE TRACTORS	ACRE	0.800	1.000	0.80	
PREPLANT N, AQUA	LBS.	0.238	120.000	28.56	
FERT. 18-46-0	LBS.	0.160	125.000	20.00	
CUSTOM FERT APPL	APLC	3.230	1.000	3.23	
SEED	CWT.	14.000	1.500	21.00	
TREAT-SOAK SEED	CWT.	2.000	1.500	3.00	
HAUL SEED	CWT.	0.240	1.950	0.47	
SOWING	CWT.	3.580	1.950	6.98	
IRRIG DIST WATER	ACIN	0.270	96.000	25.92	
HERB(WATERGRASS)	LBS.	0.500	40.000	20.00	
CUSTOM HERB APPL	APLC	3.300	1.000	3.30	
INSECT. (SHRIMP)	LBS.	0.600	5.000	3.00	
CUST INSECT APPL	APLC	2.200	1.000	2.20	
ZINC SULFATE	LBS.	0.200	30.000	6.00	
CUSTOM ZINC APPL	APLC	3.850	1.000	3.85	
HERB (BROADLEAF)	PINT	1.880	2.000	3.76	
CUSTOM HERB APPL	APLC	5.500	1.000	5.50	
TOPDRESS N	LBS.	0.074	150.000	11.10	
CUSTOM FERT APPL	APLC	3.890	1.000	3.89	
WEED CTRL.-BOXES	ACRE	0.190	1.000	0.19	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			43.99	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			17.68	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			0.32	
MACHINERY LABOR	HOUR	7.200	4.613	33.22	
INTEREST ON OPERATING CAP.	DOL.	0.16000	121.065	18.65	
TOTAL PREHARVEST COSTS:				289.74	
PREHARVEST COST PER CWT.				4.1392	
HARVEST:					
HAUL TO DRYER	CWT.	0.240	80.000	19.20	
DRY	CWT.	0.620	80.000	49.60	
MOVE HARVESTER	ACRE	0.800	1.000	0.80	
REM BOXES(POST)	HOUR	7.200	0.160	1.15	
BURN (POST)	HOUR	7.200	0.080	0.58	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			1.14	} Combine & post harvest mowing of levees,
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			13.43	
MACHINERY LABOR	HOUR	7.200	1.297	9.34	
MACHINE CREW LABOR	HOUR	7.200	1.200	8.64	
INTEREST ON OPERATING CAP.	DOL.	0.16000	2.777	0.44	
TOTAL HARVEST COSTS:				104.33	
HARVEST COST PER CWT:				1.4705	
TOTAL VARIABLE COSTS:				394.06	
VARIABLE COST PER CWT.				5.6294	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER CWT.				365.44	
				3.2206	
4. OVERHEAD:					
PERSONAL PROPERTY TAXES:				1.06	
SHARE RENT: 25% gross receipts				189.88	
MISC. OFFICE & BOOKKEEPING (3.00% OF TOTAL VARIABLE COSTS)				11.82	
TOTAL OVERHEAD:				202.76	
OVERHEAD COST PER CWT.				2.8965	
TOTAL CASH COSTS:				596.82	
TOTAL CASH COST PER CWT.				8.5260	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER CWT.				162.68	
				2.3240	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			37.36	
BUILDINGS	ACRE			1.74	
TOTAL DEPRECIATION:				39.10	
CAPITAL & INTEREST:					
MACHINERY&EQUIPMENT		0.16000	268.799	43.01	
BUILDINGS		0.10670	27.651	2.95	
TOTAL INTEREST CHARGE:				45.96	
TOTAL FIXED COSTS:				85.06	
FIXED COST PER CWT.				1.2151	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER CWT.				681.88	
				9.7411	
8. RETURNS TO RISK & MANAGEMENT (OPERATOR'S LABOR)					
NET RETURNS PER CWT.				77.62	
				1.1089	

500 ACRES RICE ON 700 ACRE FARM
 FLOOD IRRIGATION
 SHARE RENT BASIS - 25%, NO LANDLORD PARTICIPATION
 DATE PRINTED: 04/21/82

UPDATED 04/21/82
 BUDGET RECORD NUMBER 133

CASH FLOW & INVESTMENT SUMMARY FOR RICE

BUDGET RECORD NUMBER 133

 COSTS OF PRODUCING RICE 1982
 BY JACK WILLIAMS, FARM ADVISOR - P. THOMAS, SRA
 SUTTER - YUBA - SACRAMENTO - PLACER COUNTIES

MONTHLY SUMMARY OF RECEIPTS AND EXPENSES														
CATEGORY	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL RECEIPTS	\$/AC									249.55	509.95			759.50
OPERATING EXPENSES														
CONTRACT SURVEY	\$/AC				2.00									2.00
INSTALL BOXES	\$/AC				1.15									1.15
MOVE TRACTORS	\$/AC				0.80									0.80
PREPLANT N, AQUA	\$/AC				28.56									28.56
FERT. 18-46-0	\$/AC				20.00									20.00
CUSTOM FERT APPL	\$/AC				3.23									3.23
SEED	\$/AC					21.00								21.00
TREAT-SOAK SEED	\$/AC				3.00									3.00
HAUL SEED	\$/AC				0.47									0.47
SOWING	\$/AC				6.98									6.98
IRRIG DIST WATER	\$/AC				10.53	4.86	3.24	2.97	4.32					25.92
HERB(WATERGRASS)	\$/AC				20.00									20.00
CUSTOM HERB APPL	\$/AC				3.30									3.30
INSECT. (SHRIMP)	\$/AC				3.00									3.00
CUST INSECT APPL	\$/AC				2.20									2.20
ZINC SULFATE	\$/AC				6.00									6.00
CUSTOM ZINC APPL	\$/AC				3.85									3.85
HERB (BROADLEAF)	\$/AC					3.76								3.76
CUSTOM HERB APPL	\$/AC					5.50								5.50
TOPDRESS N	\$/AC					11.10								11.10
CUSTOM FERT APPL	\$/AC					3.89								3.89
WEED CTRL.-BOXES	\$/AC					0.06	0.06	0.06						0.19
HAUL TO DRYER	\$/AC													19.20
DRY	\$/AC									16.49	33.11			49.60
MOVE HARVESTER	\$/AC									0.26	0.54			0.80
REM BOXES(POST)	\$/AC										1.15			1.15
BURN (POST)	\$/AC										0.58			0.58
MACHINE LABOR COST	\$/AC			2.22	14.28	2.22	2.22	2.22	2.22	7.95	14.47	3.38		51.19
INTEREST ON OPER. CAP.	\$/AC			0.36	8.42	5.53	1.74	0.30	0.19	0.56		1.99		19.09
TRACTOR COST	\$/AC				34.91						1.14	9.08		45.13
EQUIPMENT COST	\$/AC			1.75	4.28	1.75	1.75	1.75	1.75	6.20	10.72	1.18		31.11
BLDG OPER. COST	\$/AC			0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04		0.32
TOTAL EXPENSES	\$/AC	0.00	0.00	4.37	117.66	92.14	35.97	8.31	7.87	43.14	74.55	15.67	0.00	394.06

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC			0.31	1.98	0.31	0.31	0.31	0.31	0.71	1.21	0.47		5.91
MACH. CREW LABOR	HR/AC									0.40	0.80			1.20
IRRIGATION LABOR	HR/AC					1.00	1.00	1.00	1.00	1.00				5.00
IRRIG. WATER APPLIED	ACIN					39.00	18.00	12.00	11.00	16.00				96.00

FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 133
 COSTS OF PRODUCING RICE 1982
 BY JACK WILLIAMS, FARM ADVISOR - P. THOMAS, SRA
 SUTTER - YUBA - SACRAMENTO - PLACER COUNTIES

FUEL USED IN GALLONS PER HOUR

TRACTOR W/ MOWER	2.400
TRACTOR 4WD	12.600
CRAWLER W/ DOZER	7.000
PICKUP 2WD 3/4T	4.000
PICKUP 4WD 3/4T	4.000
COMBINE-RICE	4.520
BANK OUT WAGON*	4.000

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
PICKUP 2WD 3/4T	0.114	
PICKUP 4WD 3/4T	0.114	
COMBINE-RICE	2.259	
BANK OUT WAGON*	0.025	
OFFSET WH. DISC	1.059	
STUBBLE DISC	2.647	
3 WHEEL PLANE	3.467	
1 WAY MB PLOW	5.685	
DISC RIDGER	16.659	
		CRAWLER W/ DOZER
		TRACTOR 4WD
		TRACTOR 4WD
		TRACTOR 4WD
		TRACTOR 4WD

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL
TRACTOR 4WD	0.000	0.000	0.000	1.890	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.890	DIESEL
CRAWLER W/ DOZER	0.000	0.000	0.000	1.120	0.000	0.000	0.000	0.000	0.000	0.000	0.420	0.000	1.540	DIESEL
OFFSET WH. DISC	0.000	0.000	0.000	3.176	0.000	0.000	0.000	0.000	0.000	0.000	1.059	0.000	4.235	DIESEL
STUBBLE DISC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.647	0.000	2.647	DIESEL
3 WHEEL PLANE	0.000	0.000	0.000	6.933	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.933	DIESEL
1 WAY MB PLOW	0.000	0.000	0.000	0.568	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.568	DIESEL
DISC RIDGER	0.000	0.000	0.000	1.666	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.666	DIESEL
PICKUP 4WD 3/4T	0.000	0.000	0.514	0.514	0.514	0.514	0.514	0.514	0.514	0.514	0.000	0.000	4.114	GAS
PICKUP 2WD 3/4T	0.000	0.000	0.514	0.514	0.514	0.514	0.514	0.514	0.514	0.514	0.000	0.000	4.114	GAS
COMBINE-RICE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.746	1.514	0.000	0.000	2.259	DIESEL
BANK OUT WAGON*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.667	1.333	0.000	0.000	2.000	GAS
TRACTOR W/ MOWER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.192	0.000	0.000	0.192	DIESEL
TOTALS	0.000	0.000	1.029	16.383	1.029	1.029	1.029	1.029	2.441	4.067	4.126	0.000	32.159	

GALLONS FUEL BY TYPE

10.23 GAS
 0.00 LP
 21.93 DIESEL
 0.00 N. GAS
 0.00 KWRS
 700 ACRES RICE ON 700 ACRE FARM
 FLOOD IRRIGATION
 SHARE RENT BASIS - 25%, NO LANDLORD PARTICIPATION
 DATE PRINTED: 04/21/82

FUEL TYPE
 1=GAS
 2=L.P.
 3=DIESEL
 4=N. GAS
 5=ELEC.

UPDATED 04/21/82

MACHINE	CODE	SIZE	60% of PURCHASE PRICE	YEARS OWNED	ANN HOURS USED	MACHINERY FIXED AND VARIABLE COSTS PER ACRE			VARIABLE COST PER ACRE				HRS PER ACRE	
						DEPR.	INTER.	TAX & INS	TOTAL	FUEL	LUBE	REPAIRS		TOTAL
TRACTOR W/ MOWER	2	50 hp	10447.	10.	150.	0.43	0.64	0.02	1.08	0.22	0.03	0.88	1.14	0.088
TRACTOR 4WD	9	225 hp	60875.	7.	700.	8.50	10.58	0.24	19.32	14.73	2.21	16.44	33.37	1.103
CRAWLER W/ DOZER	11	125 hp	66000.	15.	1100.	2.73	4.86	0.13	7.71	6.28	0.94	3.39	10.62	0.847
PICKUP 2WD 3/4T	14		7632.	5.	685.	1.55	1.22	0.03	2.79	5.35	0.80	0.83	6.98	1.029
PICKUP 4WD 3/4T	15		7632.	5.	685.	1.55	1.22	0.03	2.79	5.35	0.80	0.83	6.98	1.029
COMBINE-RICE	30	18 ft	71600.	7.	250.	14.48	14.80	0.36	29.63	2.39	0.36	4.64	7.39	0.500
BANK OUT WAGON*	31	160wt/hr	28620.	10.	250.	4.78	5.34	0.14	10.26	2.60	0.39	3.03	6.04	0.500
OFFSET WH. DISC	63	20 ft	10303.	10.	500.	0.93	1.07	0.03	2.03	0.00	0.03	1.63	1.66	0.550
STUBBLE DISC	67	18 ft	8173.	10.	300.	0.43	0.49	0.01	0.93	0.00	0.01	0.75	0.76	0.191
3 WHEEL PLANE	84	16 ft	8996.	15.	250.	1.08	1.58	0.05	2.71	0.00	0.01	0.44	0.44	0.500
1 WAY RB FLOW	97	9 ft	2700.	10.	35.	0.26	0.30	0.01	0.57	0.00	0.01	0.43	0.44	0.041
DISC RIDGER	137	12 ft	4452.	15.	50.	0.64	0.94	0.03	1.61	0.00	0.01	0.39	0.40	0.120
80 WOODEN BOXES	81		2400.	10.		0.48	0.26	0.00	0.74	0.00		0.05	0.05	
STEEL BUILDING	1		12780.	30.		0.77	1.50	0.00	2.27	0.26		0.01	0.27	
SMALL TOOLS	4		6390.	30.		0.30	0.89	0.00	1.18	0.00		0.00	0.00	
SERVICE BED -PU	33		937.	30.		0.06	0.10	0.00	0.16	0.00		0.00	0.00	
EQUIP CARRIER	49		1949.	30.		0.13	0.21	0.00	0.34	0.00		0.00	0.00	
MACHINERY & EQUIPMENT			624.			39.10	45.96	1.06	86.12	37.18	5.61	33.76	76.55	
INVESTMENT & COSTS PER ACRE														
TOTAL INVESTMENT			311886.											

500 ACRES RICE ON 700 ACRE FARM
 FLOOD IRRIGATION
 SHARE RENT BASIS - 25%, NO LANDLORD PARTICIPATION
 DATE PRINTED: 04/21/82

UPDATED 04/21/82

BUDGET RECORD #133

MACHINERY OPERATIONS SUMMARY
 COSTS OF PRODUCING RICE 1982
 BY JACK WILLIAMS, FARM ADVISOR - P. THOMAS, SRA
 SUITER - YUBA - SACRAMENTO - PLACER COUNTIES

BUDGET RECORD NUMBER 133

OPERATION	ITEM NO.	DATE	**	LABOR HOUR S	MACHINE HOURS	FUEL,OIL, LUB.,REP. PER ACRE	FIXED COSTS PER ACRE
CRAWLER W/ DOZER		11 NOV	0.06	0.072	0.060	0.75	0.55
OFFSET WH. DISC	11,	63 NOV	1.00	0.166	0.138	2.31	1.88
STUBBLE DISC	9,	67 NOV	1.00	0.231	0.191	7.12	4.61
PICKUP 4WD 3/4T		15 MAR	4.50	0.154	0.129	0.87	0.35
PICKUP 2WD 3/4T		14 MAR	4.50	0.154	0.129	0.87	0.35
TRACTOR 4WD		9 APR	0.15	0.180	0.150	4.54	2.63
CRAWLER W/ DOZER		11 APR	0.16	0.192	0.160	2.01	1.46
OFFSET WH. DISC	11,	63 APR	3.00	0.499	0.413	6.93	5.65
3 WHEEL PLANE	9,	84 APR	2.00	0.605	0.500	17.10	12.35
1 WAY MB PLOW	9,	97 APR	0.10	0.050	0.041	1.81	1.36
DISC RIDGER	9,	137 APR	0.10	0.145	0.120	4.40	3.93
PICKUP 4WD 3/4T		15 APR	4.50	0.154	0.129	0.87	0.35
PICKUP 2WD 3/4T		14 APR	4.50	0.154	0.129	0.87	0.35
PICKUP 4WD 3/4T		15 MAY	4.50	0.154	0.129	0.87	0.35
PICKUP 2WD 3/4T		14 MAY	4.50	0.154	0.129	0.87	0.35
PICKUP 4WD 3/4T		15 JUNE	4.50	0.154	0.129	0.87	0.35
PICKUP 2WD 3/4T		14 JUNE	4.50	0.154	0.129	0.87	0.35
PICKUP 4WD 3/4T		15 JULY	4.50	0.154	0.129	0.87	0.35
PICKUP 2WD 3/4T		14 JULY	4.50	0.154	0.129	0.87	0.35
PICKUP 4WD 3/4T		15 AUG	4.50	0.154	0.129	0.87	0.35
PICKUP 2WD 3/4T		14 AUG	4.50	0.154	0.129	0.87	0.35
PICKUP 4WD 3/4T		15 SEPT	4.50	0.154	0.129	0.87	0.35
PICKUP 2WD 3/4T		14 SEPT	4.50	0.154	0.129	0.87	0.35
COMBINE-RICE		30 SEPT	0.33	0.396	0.165	2.44	9.78
BANK OUT WAGON*		31 SEPT	26.67	0.396	0.167	2.01	3.42
PICKUP 4WD 3/4T		15 OCT	4.50	0.154	0.129	0.87	0.35
PICKUP 2WD 3/4T		14 OCT	4.50	0.154	0.129	0.87	0.35
COMBINE-RICE		30 OCT	0.67	0.804	0.335	4.95	19.85
BANK OUT WAGON*		31 OCT	53.33	0.804	0.333	4.02	6.64
TRACTOR W/ MOWER		2 OCT	0.08	0.096	0.080	1.04	0.98

** For Tractors - hrs/acre
 For Pickups - miles/acre
 For Implements - # times over (% covered)
 For Bankout wagon - cwt/acre
 For Combine - times over (% covered)

TOTALS
 500 ACRES RICE ON 700 ACRE FARM
 FLOOD IRRIGATION
 SHAKE RENT BASIS - 25%, NO LANDLORD PARTICIPATION
 DATE PRINTED: 04/21/82

7.106 4.909 75.40 80.87

UPDATED 04/21/82

INSUFFICIENT STORAGE FOR 0001GE 497 DRY
 INSUFFICIENT STORAGE FOR 0001GE 495 MOVE HARVESTER
 INSUFFICIENT STORAGE FOR 0001GE 494 REM BOXES(POST)
 INSUFFICIENT STORAGE FOR 0001GE 493 BURN (POST)
 INSUFFICIENT STORAGE FOR 0001GE 14 PICKUP 2WD 3/4T
 INSUFFICIENT STORAGE FOR 0001GE 15 PICKUP 4WD 3/4T
 INSUFFICIENT STORAGE FOR 0001GE 2 TRACTOR W/ MOWER
 INSUFFICIENT STORAGE FOR 0001GE 11 CRAWLER W/ DOZER
 INSUFFICIENT STORAGE FOR 0001GE 9 TRACTOR 4WD
 INSUFFICIENT STORAGE FOR 0001GE 67 STURBLE DISC
 INSUFFICIENT STORAGE FOR 0001GE 84 3 WHEEL PLANE
 INSUFFICIENT STORAGE FOR 0001GE 97 1 WAY MB PLOW
 INSUFFICIENT STORAGE FOR 0001GE 137 DISC RIDGER
 INSUFFICIENT STORAGE FOR 0001GE 63 OFFSET WH. DISC
 INSUFFICIENT STORAGE FOR 0001GE 81 80 WOODEN BOXES
 INSUFFICIENT STORAGE FOR 0001GE 1 STEEL BUILDING
 INSUFFICIENT STORAGE FOR 0001GE 4 SMALL TOOLS
 INSUFFICIENT STORAGE FOR 0001GE 49 EQUIP CARRIER
 INSUFFICIENT STORAGE FOR 0001GE 33 SERVICE BED -PU

STORED DATA PAGE (NO CALCULATIONS) FOR RICE

BUDGET RECORD NUMBER 133

COSTS OF PRODUCING RICE 1982
 BY JACK WILLIAMS, FARM ADVISOR - P. THOMAS, SRA
 SUTTER - YUBA - SACRAMENTO - PLACER COUNTIES

COSTS AND RETURNS WILL BE
 DIVIDED BY 70.0 CWT.
 TO OBTAIN PER CWT. COSTS

LINE	COSTS OF PRODUCING RICE 1982												PRICE	SHARE	UNIT	ITEM	TYPE	XXXX
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
PRODUCTION	NUMBER OF UNITS																	
1 RICE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.00	47.00	0.00	0.00	10.850	0.250	16.	24.	2.	0.
OPERATING INPUTS	RATE/UNIT												PRICE	SHARE	UNIT	ITEM	TYPE	HARV
4 CONTRACT SURVEY	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.000	0.000	7.	278.	3.	0.
5 INSTALL BOXES	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.200	0.000	8.	290.	3.	0.
6 MOVE TRACTORS	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.800	0.000	7.	300.	3.	0.
8 PREPLANT N, AQUA	0.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.238	0.000	12.	209.	3.	0.
9 FERT. 18-46-0	0.00	0.00	0.00	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.160	0.000	12.	210.	3.	0.
10 CUSTOM FERT APPL	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.230	0.000	34.	350.	3.	0.
12 SEED	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.000	0.000	16.	99.	3.	0.
13 TREAT-SOAK SEED	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.000	0.000	16.	125.	3.	0.
14 HAUL SEED	0.00	0.00	0.00	0.00	1.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.240	0.000	16.	126.	3.	0.
15 SOWING	0.00	0.00	0.00	0.00	1.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.580	0.000	16.	127.	3.	0.
16 IRRIG DIST WATER	0.00	0.00	0.00	0.00	39.00	18.00	12.00	11.00	16.00	0.00	0.00	0.00	0.270	0.000	11.	323.	3.	0.
17 HERB(WATERGRASS)	0.00	0.00	0.00	0.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.500	0.000	12.	400.	3.	0.
18 CUSTOM HERB APPL	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.300	0.000	34.	351.	3.	0.
19 INSECT. (SHRIMP)	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.600	0.000	12.	401.	3.	0.
20 CUST INSECT APPL	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.200	0.000	34.	352.	3.	0.
22 ZINC SULFATE	0.00	0.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.200	0.000	12.	226.	3.	0.
23 CUSTOM ZINC APPL	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.850	0.000	34.	353.	3.	0.
24 HERB (BROADLEAF)	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	1.880	0.000	13.	402.	3.	0.
25 CUSTOM HERB APPL	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	5.500	0.000	34.	351.	3.	0.
26 TOPDRESS N	0.00	0.00	0.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.074	0.000	12.	403.	3.	0.
27 CUSTOM FERT APPL	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	3.890	0.000	34.	350.	3.	0.
28 WEED CTRL.-BOXES	0.00	0.00	0.00	0.00	0.00	0.33	0.34	0.33	0.00	0.00	0.00	0.00	0.190	0.000	7.	405.	3.	0.
30 HAUL TO DRYER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.60	53.40	0.00	0.00	0.240	0.000	16.	498.	3.	9.
31 DRY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.60	53.40	0.00	0.00	0.620	0.000	16.	498.	3.	9.
34 MOVE HARV. R	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.67	0.00	0.00	0.800	0.000	7.	406.	3.	9.
35 REM BOXES(POST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	7.200	0.000	8.	494.	3.P	9.
36 BURN (POST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	8.	494.	3.	9.

	MACHINERY REQUIREMENTS													A. CUMULATIVE POWER EACH TYPE HARV					
	LABOR	UNIT	CODE	CODE											LABOR	UNIT	CODE	CODE	
37 TRACTOR 4WD	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.	9.	4.	0.
38 CRAWLER W/ DOZER	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.	11.	4.	0.
39 OFFSET WH. DISC	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.000	0.000	11.	63.	4.	0.
40 STUBBLE DISC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.000	0.000	9.	67.	4.	0.
L1 3 WHEEL PLANE	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	9.	84.	4.	0.
42 1 WAY MB FLOW	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	9.	97.	4.	0.
43 DISC RIDGER	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	9.	137.	4.	0.
44 PICKUP 4WD 3/4T	0.00	0.00	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	0.00	0.00	0.000	0.000	0.	15.	4.	0.
45 PICKUP 2WD 3/4T	0.00	0.00	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	0.00	0.00	0.000	0.000	0.	14.	4.	0.
46 COMBINE-RICE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	1.000	0.	30.	4.	9.
47 BANK OUT WAGON*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.67	53.33	0.00	0.00	0.000	1.000	0.	31.	4.	9.
48 TRACTOR W/ MOWER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.	2.	4.	9.
														SHARE	SHARE	POWER	SYSA		
														FIXED %	VAR %	UNIT	CODE	LIFT	
49 ACIN IRRIG WATER	0.00	0.00	0.00	0.00	39.00	18.00	12.00	11.00	16.00	0.00	0.00	0.00	0.00	1.00	1.00	0.	128.	0.	
50 NO. TIMES IRRIG	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00						

EQUIPMENT REQUIREMENTS

	NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX
	UNITS	OF COST		CODE		
63 80 WOODEN BOXES	1.000	1.000	0.	81.	5.	0.
64 STEEL BUILDING	1.000	0.710	0.	1.	5.	0.
65 SMALL TOOLS	1.000	0.710	0.	4.	5.	0.
66 SERVICE BED -PU	1.000	0.710	0.	33.	5.	0.
67 EQUIP CARRIER	1.000	0.710	0.	49.	5.	0.

LAND REQUIREMENTS

	2	3	4	5	6	7	8
	CHARGE	NUMBER	VALUE	TAXES	PERENNIAL	PER	CROPS
	METHOD	OF ACRES	COST/ACRE	PER ACRE	YRS LIFE	ACRE	COST/ACRE
71	3.	500.00	0.00	0.00	0.0	0.00	0.00
ENTERPRISE 2-24 REGION/COUNTY 51 UNASSIGNED 0000 MACH COMP 3						IRIG SYST 1 UNASSIGNED 0	EQUIP SET 1 HARVEST MONTH 10

500 ACRES RICE ON 700 ACRE FARM
 FLOOD IRRIGATION
 SHARE RENT BASIS - 25%, NO LANDLORD PARTICIPATION

UPDATED 04/21/82

MACHINERY COMPLEMENT 3
 EQUIPMENT COMPLEMENT 1

GENERAL NAME CHANGE-->	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE
	402 HERB (BROADLEAF)	353 CUSTOM ZINC APPL	226 ZINC SULFATE	352 CUST INSECT APPL	401 INSECT. (SHRIMP)		
	351 CUSTOM HERB APPL	350 CUSTOM FERT APPL	278 CONTRACT SURVEY	250 INSTALL BOXES	403 TOPORESS N		
	300 MOVE TRACTORS	125 TREAT-SOAK SEED	405 WEED CTRL.-BOXES	126 HAUL SEED	127 SOWING		
	209 PREPLANT N, AQUA	210 FERT. 18-46-0	400 HERB(WATERGRASS)	498 HAUL TO DRYER			

MACH COMP CHGS-->	RW	CL	VALUE	RW	CL	VALUE	RW	CL	VALUE	RW	CL	VALUE	RW	CL	VALUE
	2.14.		3.000000	2.15.		1500.000000	2.16.		50.000000	31. 2.		160.000000	31. 3.		28620.000000
	31.10.		10.000000	31.13.		28620.000000	31.15.		3500.000000	30. 2.		18.000000	30. 3.		71600.000000
	30. 5.		0.917000	30. 9.		250.000000	30.10.		7.000000	30.13.		71600.000000	30.15.		2450.000000
	11. 3.		3.660000	11. 9.		1100.000000	11.10.		15.000000	11.13.		66000.000000	11.15.		16500.000000
	9. 2.		225.000000	9. 3.		60875.000000	9. 9.		700.000000	9.10.		7.000000	9.13.		60875.000000
	9.16.		225.000000	63. 2.		20.000000	63. 3.		10303.000000	63. 4.		3.750000	63. 9.		500.000000
	63.13.		10303.000000	63.15.		5000.000000	67. 2.		18.000000	67. 3.		8173.000000	67. 9.		300.000000
	67.13.		8173.000000	67.15.		3000.000000	84. 2.		16.000000	84. 3.		8996.000000	84. 5.		0.58900084
	84.10.		15.000000	84.13.		8996.000000	84.15.		3750.000000	97. 2.		9.000000	97. 3.		2700.000000
	97. 5.		0.745000	97. 9.		35.000000	97.10.		10.000000	97.13.		2700.000000	97.15.		350.000000
	*** 3.		4452.000000	*** 4.		2.000000	*** 5.		0.286000	*** 9.		50.000000	***10.		15.000000
	**15.		750.000000	15. 3.		7632.000000	15. 4.		35.000000	15. 9.		685.000000	15.10.		5.000000
	15.15.		3425.000000	14. 3.		7632.000000	14. 4.		35.000000	14. 9.		685.000000	14.10.		5.000000
	14.15.		3425.000000	67. 4.		3.000000	2. 2.		50.000000	2. 3.		10447.000000	2. 9.		150.000000
	2.13.		10447.000000	81. 5.		2400.000000	81. 6.		2400.000000	81. 7.		10.000000	81. 8.		0.000000
	81. 4.		2.000000	81.11.		0.000000	1. 2.		2400.000000	1. 5.		18000.000000	1. 6.		18000.000000
	81.10.		0.000000	4. 6.		9000.000000	4. 7.		30.000000	4. 9.		0.000000	33. 4.		2.000000
	4. 5.		9000.000000	49. 4.		30.000000	49. 4.		2.000000	49. 5.		2745.000000	49. 6.		2745.000000
	33. 6.		1320.000000	6. 6.		1.060000	6. 8.		0.160000	10.		7.200000	11.		7.200000
	PARAMETER CHGS-->		1. 3.000000	3. 1.060000		6. 0.160000	8. 0.010000								
	12.		0.000000	17. 0.000000		28. 0.030000									

Costs of Producing Rice 1982
 By Jack Williams, Farm Advisor - P. Thomas, SRA
 Sutter-Yuba-Sacramento-Placer Counties

500 acres rice on 700 acre farm
 Flood irrigation
 Share rent basis - 25%, no landlord participation

Additional Notes and Assumptions:

1. Assuming 5% of acreage is in levees.
 Inventory adjustment for machinery and equipment is used to figure ownership costs: 60% of current purchase price.
2. Labor:
 In this study it is assumed that farm operator supplies all labor for irrigation and weed control around boxes. It is assumed that hired labor is used for machinery operation at a cost of \$7.20 per hour (benefits included).
3. Land preparation:
 - November: Doze levees (knock down) with crawler and blade .06 hrs/acre
 Discing - offset wheel disc, 20' with crawler, 1 pass over field stubble disc, 18' with 4WD tractor, 1 pass over field
 - April: Discing - offset wheel disc, 20' with crawler, 2 passes over field
 Leveling - 3 wheel plane, 16' with 4WD tractor, 2 passes over field
 Creasing - offset wheel disc, 20' with crawler, 1 pass over field
 Survey - contract \$2.00/ac
 Plow levees - 1 way mold board plow, 9' with 4WD tractor, 2 passes, 5% of acreage each pass
 Pull levees - Disc ridger, 12' with 4WD tractor, 2 passes, 5% of acreage each pass
 Close levees and install boxes Crawler with blade used .16 hrs/ac
 Additional man needed .16 hrs/ac @ \$7.20/hr
 Move tractors - contract 4 moves @ \$100/move = \$400 for 500 acres or \$.80/ac
4. Plant in May:
 - Seed - 1.5 cwt/ac (dry wt. basis) @ \$14.00/cwt
 - Soak and treat seed - 1.5 cwt/ac (dry wt. basis) @ \$2.00/cwt
 - Haul seed - 1.95 cwt (wet wt. basis - add 30% to dry wt basis) @ .24/cwt
 - Sowing - 1.95 cwt (wet wt. basis) @ \$3.58/cwt
5. Fertilizer:
 - April: Materials - preplant nitrogen, aqua (20%N) 120 lbs N/ac @ \$.238/lb
 Application - applicator rental included in price of materials grower supplies tractor (4WD, 225 hp) and driver .15 hrs/ac
 - April: Materials - 18-46-0 125 lbs/ac @ \$.16/lb (\$319/ton)
 Application - custom by air \$3.23/ac
 - May: Materials - zinc sulfate 30 lbs/ac @ \$.20/lb
 Application - custom \$3.85/ac
 - June: Materials - ammonium sulfate (topdress N) 150 lbs/ac @ \$.074/lb (\$148/ton)
 Application - custom \$3.89/ac flown on late June to early July

6. Chemical usage:

May: Molinate for watergrass control 40 lbs/ac @ \$.50/lb
 Application by air - custom \$3.30/ac
 Bluestone for shrimp control 5 lbs/ac @ \$.60/lb
 Application by air - custom \$2.20/ac

June: MCPA for broadleaf and sedges control 2 pints/ac @ \$1.88/pint
 Application by air - custom \$5.50/ac

June-Aug: Weed control around boxes
 Materials (1 qt/100 ac, \$75/gal) \$.19/ac
 Hand sprayer used - farm operator usually does spraying -
 about .04 hrs/ac

7. Irrigation:

Contour flood irrigation - 8 levees per 100 acres. All costs paid by landowner except cost of boxes, installation and closing levees.

Wooden boxes: 80 boxes/500 ac @ \$50 each x 60% = \$2400

District water cost \$.27/ac.in.

Farm operator does his own irrigation

Schedule:

May	39 ac.in.
June	18 ac.in.
July	12 ac.in.
Aug	11 ac.in.
Sept	<u>16 ac.in.</u>
Total	96 ac.in.

8. Pickups:

4WD used by farm operator and 2WD used for irrigation and misc. Each pickup's costs are based on 18,000 total miles or 4.5 miles/ac each month March - October.

9. Buildings and other equipment used:

Steel building 40' x 60' workshop, storage
 Small tools used for maintenance and minor repairs
 Service bed for pickups - used to service equipment in field
 Equipment carrier used with pickup to move tillage equipment
 71% of the costs for above are allocated to rice acreage.

10. Harvest in September and October:

Harvest 80 cwt wet weight (22% moisture) which yields 70 cwt dry weight (10% moisture)

Normal harvest dates are Sept 15 - Oct 30. Assuming in this budget that 1/3 harvested in September and 2/3 harvested in October.

Harvest 500 acres using own machinery:

Combine, 18'

Bankout, self propelled (costs based on 160 cwt/hr)

1 man additional crew needed for combine and bankout

Move harvester - contract 4 moves @ \$100/move = \$400 for 500 acres or \$.80/ac

Haul to dryer - custom \$.24/cwt wet weight

Dry - custom \$.62/cwt wet weight

Budget Record #133

11. Post harvest in October:

Remove boxes: labor 2 men x .08 hrs/ac each @ \$7.20/hr

Mow levees: 50 hp wheel tractor with sickle bar mower - 5% of acreage covered

Burn: labor 1 man x .08 hrs/ac @ \$7.20/hr

12. Share rent: 25%

13. Machinery costs calculated by computer:

For self-propelled machinery and implements, the width, speed, field efficiency and number of passes in the field are all used in determining the number of hours necessary to complete an operation. Tractor hours are then calculated by taking into consideration all implements pulled.

Per hour cost of depreciation, interest, taxes, insurance, repairs, fuel, and lube are calculated by the computer using purchase price, annual hours of usage, years of life, etc. and this rate is multiplied by the total hours of usage for each machine and equipment.