

TITLE: SAMPLE COSTS TO PRODUCE ALFALFA HAY
 RODOC COUNTY 1977
 LANDOWNER BASIS

alfalfa hay #309

(H)

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
ALFALFA HAY	TON	85.000	6.000	510.00	
TOTAL RECEIPTS:				\$ 510.00	
2. VARIABLE COSTS:					
PREHARVEST:					
GYPHONIUM	LBS.	0.020	500.000	10.00	
INSECTICIDE	ACRE	5.000	1.000	5.00	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			0.68	
IRRIGATION POWER COST	ACRE			13.36	
IRRIGATION (LUBE-REPAIRS)	ACRE			17.82	
IRRIGATION WATER APPLIED	ACIN	0.590	52.800		
IRRIGATION LABOR	HOUR	3.000	10.000	30.00	
INTEREST ON OPERATING CAP.	DOL.	0.098	21.370	1.87	
TOTAL PREHARVEST COSTS:				\$ 78.73	
PREHARVEST COST PER TON				\$ 13.12	
HARVEST:					
WIRE	TON	5.000	6.000	30.00	
CUSTOM HAULING	TON	4.000	6.000	24.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			0.57	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			15.27	
MACHINERY LABOR	HOUR	3.000	2.111	6.33	
TOTAL HARVEST COSTS:				\$ 76.19	
HARVEST COST PER TON				\$ 12.70	
TOTAL VARIABLE COSTS:				\$ 154.91	
VARIABLE COST PER TON				\$ 25.82	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER TON				\$ 355.09	
				\$ 59.18	
4. CASH OVERHEAD:					
REAL PROPERTY TAXES:				\$ 8.61	
MISC. OFFICE & BOOKKEEPING (14.50% OF TOTAL VARIABLE COSTS)				22.46	
TOTAL CASH OVERHEAD:				\$ 31.07	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER TON				\$ 324.02	
				\$ 54.00	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			13.76	
IRRIGATION SYSTEM	ACRE			16.80	
BUILDINGS	ACRE			4.52	
TREES, VINES OR STAND	ACRE			16.67	
TOTAL DEPRECIATION:				\$ 51.75	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.090	92.360	8.31	
IRRIGATION SYSTEM		0.090	167.984	15.12	
BUILDINGS		0.090	80.594	7.25	
TREES, VINES OR STAND		0.090	50.000	4.50	
LAND		0.083	400.000	33.00	
TOTAL INTEREST CHARGE:				\$ 68.18	
TOTAL FIXED COSTS:				\$ 119.93	
FIXED COST PER TON				19.99	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER TON				\$ 305.92	
				50.99	
8. NET RETURNS:					
NET RETURNS PER TON				\$ 204.08	
				34.01	

BASED ON 200 ACRES OF ALFALFA
 WHEEL LINE SPRINKLER IRRIGATION
 TYPICAL PRACTICES REPRESENTED

AUTHOR: REED/HOREL
 DATE: 03/31/78

BUDGET IDENTIFICATION NUMBER 2 92500820 312 1
 DATE PRINTED: 02/01/77

BUDGET RECORD NUMBER 309
 HARVEST MONTH: 8

IDENTIFICATION NUMBER 2 92500820 312 1
 SAMPLE COSTS TO PRODUCE ALFALFA HAY
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 LANDOWNER BASIS

HARVEST MONTH 8

BUDGET RECORD NUMBER 309

CATEGORY	UNIT	MONTHLY SUMMARY OF RECEIPTS AND EXPENSES												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
TOTAL RECEIPTS	\$/AC	0.00	0.00	0.00	0.00	0.00	170.00	170.00	170.00	0.00	0.00	0.00	0.00	510.00
OPERATING EXPENSES														
GYPSUM	\$/AC	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00
INSECTICIDE	\$/AC	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
WIRE	\$/AC	0.00	0.00	0.00	0.00	0.00	10.00	10.00	10.00	0.00	0.00	0.00	0.00	30.00
CUSTOM HAULING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.00
MACHINE LABOR COST	\$/AC	0.00	0.00	0.00	0.00	0.00	2.73	1.00	1.00	0.00	0.00	0.00	0.00	6.33
INTEREST ON OPER. CAP.	\$/AC	0.00	0.00	0.00	0.00	0.07	0.51	0.33	0.16	0.00	0.00	0.00	0.00	1.07
TRACTOR COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.57
EQUIPMENT COST	\$/AC	0.00	0.00	0.00	0.00	0.00	5.59	4.05	4.05	0.00	0.00	0.00	0.00	15.29
IRRIGATION COST	\$/AC	0.00	0.00	0.00	0.00	6.24	9.35	9.35	6.24	0.00	0.00	0.00	0.00	31.18
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	0.00	6.00	9.00	9.00	6.00	0.00	0.00	0.00	0.00	30.00
TOTAL EXPENSES	\$/AC	0.00	0.00	0.00	0.00	33.55	51.18	48.77	42.48	0.00	0.00	0.00	0.00	154.91

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC	0.00	0.00	0.00	0.00	0.00	0.91	0.60	0.60	0.00	0.00	0.00	0.00	2.11
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	0.00	2.00	3.00	3.00	2.00	0.00	0.00	0.00	0.00	10.00
IRRIG. WATER APPLIED	ACTN	0.00	0.00	0.00	0.00	10.56	15.04	15.04	10.56	0.00	0.00	0.00	0.00	52.00

MACHINERY FIXED AND VARIABLE COSTS PER ACRE

MACHINE	CODE	SIZE	PURCHASE PRICE	YEARS OWNED	ANR HOURS USED	FIXED COST PER ACRE				VARIABLE COST PER ACRE				HRS PER ACRE
						DEPR.	INTER.	TAX \$/NS	TOTAL	FUEL	LUBE	REPAIRS	TOTAL	
TRACTOR 30 HP	1	30.0	6900.	12.	1000.	0.12	0.11	0.02	0.25	0.29	0.04	0.23	0.57	0.280
SP BALER-WIRE*	16	7.7	18800.	10.	230.	5.32	3.34	0.72	9.39	1.63	0.24	6.50	8.37	0.780
IRR PUMP 40 HP*	21	2.0	8000.	25.	3200.	2.42	3.22	0.74	6.38	13.36	0.20	1.97	15.53	26.400
SWATHER	34	12.0	21300.	8.	180.	8.15	4.76	0.96	13.87	1.06	0.16	4.95	6.17	0.722
SIDE DELIV RAKE	124	8.0	2000.	9.	270.	0.17	0.10	0.02	0.29	0.00	0.01	0.73	0.74	0.255
SIDEMOVE TOW*	129	2.0	38655.	10.	5000.	14.38	11.90	2.30	28.57	0.00	0.31	15.34	15.65	26.400
FARM SHOP	2		12240.	35.		1.57	3.03	0.69	5.29	0.61		0.03	0.64	
SHOP TOOLS&EQUIP	4		3570.	15.		0.83	1.04	0.20	2.08	0.00		0.02	0.02	
STORAGE SHED	8		7650.	35.		0.98	1.89	0.43	3.31	0.00		0.01	0.01	
FUELTANK 550 GAL	18		136.	30.		0.01	0.05	0.01	0.07	0.00		0.00	0.00	
HAY STORAGE	41		5000.	20.		1.13	1.24	0.28	2.64	0.00		0.01	0.01	

TOTAL INVESTMENT OR COST 124251.
 MACHINERY & EQUIPMENT 821.
 INVESTMENT PER ACRE

35.08 30.60 6.37 72.14 16.95 0.97 29.79 47.71

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 HARVEST OR SALE MONTH 8

BUDGET RECORD NUMBER 309

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 MODOC COUNTY 1977
 LANDOWNER BASIS

COSTS AND RETURNS WILL BE
 DIVIDED BY 6.0 TON
 TO OBTAIN PER TON COSTS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	SHARE	UNIT	ITEM	TYPE	XXXX
PRODUCTION	NUMBER OF UNITS																	
1 ALFALFA HAY	0.00	0.00	0.00	0.00	0.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	85.000	0.000	3.	9.	2.	0.
OPERATING INPUTS	RATE/UNIT																	
													PRICE	SHARE	UNIT	ITEM	TYPE	HARV
														RENT	CODE	CODE		CODE
11 GYPSUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.020	0.000	12.	232.	3.	0.
12 INSECTICIDE	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.000	0.000	7.	240.	3.	0.
13 WIRE	0.00	0.00	0.00	0.00	0.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	5.000	0.000	3.	383.	3.	9.
15 CUSTOM HAULING	0.00	0.00	0.00	0.00	0.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	4.000	0.000	3.	306.	3.	9.
MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRF, TRACTORS = HRS/ACRE												A CRFW		POWER	MACH	TYPE	HARV
													LABOR	UNIT	CODE		CODE	
38 SWATHER	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.000	0.000	0.	34.	4.	9.
39 SIDE DELIV RAKE	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	1.	124.	4.	9.
40 SP BALEW-WIRE*	0.00	0.00	0.00	0.00	0.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.000	0.000	0.	16.	4.	9.
													SHARE	SHARE	POWER	SYSA		
													FIXED %	VAR %	UNIT	CODE	LIFT	
49 ACIN IRRIG WATER	0.00	0.00	0.00	0.00	10.56	15.84	15.84	10.56	0.00	0.00	0.00	0.00	0.00	0.00	21.	129.	80.	
50 NO. TIMES IRRIG	0.00	0.00	0.00	0.00	2.00	3.00	3.00	2.00	0.00	0.00	0.00	0.00						

EQUIPMENT REQUIREMENTS	NUMBER	PROPORT	XXX	FRIUP	TYPE	XXXX
	UNITS	OF COST		CODE		
51 FARM SHOP	1.000	0.340	0.	2.	5.	0.
52 SHOP TOOLS&EQUIP	1.000	0.340	0.	4.	5.	0.
53 STORAGE SHED	1.000	0.340	0.	8.	5.	0.
54 FUEL TANK 550 GAL	1.000	0.340	0.	18.	5.	0.
55 HAY STORAGE	1.000	1.000	0.	41.	5.	0.

LAND REQUIREMENTS	CHARGE	NUMBER	VALUE OR	TAXES	PERENNIAL CROPS
	METHOD	OF ACRES	COST/ACRE	PER ACRE	YRS LIFE COST/ACRE
71	1.	200.00	400.00	7.00	3.0 100.00

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MACHINERY COMPLEMENT 3
 EQUIPMENT COMPLEMENT 1

NO NAME CHANGES HAVE BEEN STORED WITH THIS BUDGET

PARAMETER CHGS-->10.	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE
		3.000000	11.	3.000000	12.	3.000000						