

TITLE: ALFALFA HAY PRODUCTION  
KERN COUNTY  
1979-1980

BY DOUG MUNIER  
FARM ADVISOR

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
<b>1. GROSS RECEIPTS FROM PRODUCTION:</b>					
ALFALFA HAY RANGE	TON	95.000	8.500	807.50	
	ACRE	15.000	1.000	15.00	
TOTAL RECEIPTS:				\$ 822.50	
<b>2. VARIABLE COSTS:</b>					
<b>PREHARVEST:</b>					
PHOSPHATE	LBS.	0.300	80.000	24.00	
CHEMICAL APPLIC	APLC	2.500	3.000	7.50	
HERBICIDE	ACRE	12.000	3.000	36.00	
IRRIG DIST WATER	ACIN	2.083	72.000	149.98	
IRRIGATION (SYSTEM MAINT.)	ACIN	0.049	72.000	3.51	
IRRIGATION LABOR	HOURL	4.000	7.380	29.52	
INTEREST ON OPERATING CAP.	DGL.	0.119	102.378	11.94	
TOTAL PREHARVEST COSTS:				\$ 262.45	
PREHARVEST COST PER TON				\$ 30.8762	
<b>HARVEST:</b>					
CUSTOM SWATHING	ACRE	8.000	7.000	56.00	
CUSTOM BANKOUT	TON	12.000	8.500	102.00	
CUSTOM BANKOUT	TON	3.000	8.500	25.50	
INTEREST ON OPERATING CAP.	DGL.	0.119	76.500	9.10	
TOTAL HARVEST COSTS:				\$ 192.60	
HARVEST COST PER TON				\$ 22.6592	
TOTAL VARIABLE COSTS:				\$ 455.05	
VARIABLE COST PER TON				\$ 53.5355	
<b>INCOME ABOVE VARIABLE COSTS:</b>					
				\$ 367.45	
INCOME PER TON				\$ 43.2292	
<b>4. CASH OVERHEAD:</b>					
REAL PROPERTY TAXES:				16.25	
MISC. OFFICE & BOOKKEEPING ( 4.00% OF TOTAL VARIABLE COSTS)				18.20	
TOTAL CASH OVERHEAD:				\$ 34.45	
OVERHEAD COST PER TON				4.0532	
<b>5. INCOME ABOVE ALL CASH COSTS:</b>					
				\$ 333.00	
INCOME PER TON				\$ 39.1761	
<b>6. OWNERSHIP COSTS:</b>					
<b>DEPRECIATION:</b>					
MACHINERY & EQUIPMENT	ACRE			0.00	
IRRIGATION SYSTEM	ACRE			19.35	
TREES, VINES OR STAND	ACRE			58.53	
TOTAL DEPRECIATION:				\$ 77.88	
<b>CAPITAL &amp; INTEREST:</b>					
MACHINERY & EQUIPMENT		0.119	0.000	0.00	
IRRIGATION SYSTEM		0.119	177.908	21.17	
TREES, VINES OR STAND		0.100	175.580	8.78	
LAND		0.100	2500.000	250.00	
TOTAL INTEREST CHARGE:				\$ 279.95	
TOTAL FIXED COSTS:				\$ 357.83	
FIXED COST PER TON				42.0978	
<b>7. TOTAL OF ABOVE COSTS:</b>					
				\$ 847.33	
TOTAL COST PER TON				99.6864	
<b>NET RETURNS:</b>					
				\$ -24.83	
NET RETURNS PER TON				-2.9217	

BASED ON A 2000 ACRE FARM  
FLOOD IRRIGATION  
DISTRICT WATER \$25 PER ACRE-FOOT

UPDATED 03/11/80

UC Cooperative Extension

BUDGET IDENTIFICATION NUMBER 2 91500000 510 1  
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BUDGET RECORD NUMBER 386  
HARVEST MONTH: 7

IDENTIFICATION NUMBER 2 91500000 510 1  
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HARVEST MONTH 7  
 BY DOUG MUNIER  
 FARM ADVISOR

BUDGET RECORD NUMBER 386

MONTHLY SUMMARY OF RECEIPTS AND EXPENSES

CATEGORY	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL RECEIPTS	\$/AC	0.00	0.00	0.00	95.00	95.00	142.50	142.50	142.50	95.00	95.00	7.50	7.50	822.50
OPERATING EXPENSES														
PHOSPHATE	\$/AC	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.00
CHEMICAL APPLIC	\$/AC	2.50	0.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	7.50
HERBICIDE	\$/AC	12.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	0.00	36.00
IRRIG DIST WATER	\$/AC	0.00	0.00	12.50	12.50	25.00	25.00	25.00	25.00	12.50	12.50	0.00	0.00	149.98
CUSTOM SWATHING	\$/AC	0.00	0.00	0.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	0.00	0.00	56.00
CUSTOM BANKOUT	\$/AC	0.00	0.00	0.00	12.00	12.00	18.00	18.00	18.00	12.00	12.00	0.00	0.00	102.00
CUSTOM BANKOUT	\$/AC	0.00	0.00	0.00	3.00	3.00	4.50	4.50	4.50	3.00	3.00	0.00	0.00	25.50
INTEREST ON OPER. CAP.	\$/AC	2.23	0.00	1.14	1.12	1.03	0.59	0.00	6.64	3.78	3.39	1.13	0.00	21.04
IRRIGATION COST	\$/AC	0.00	0.00	0.29	0.29	0.59	0.59	0.59	0.59	0.29	0.29	0.00	0.00	3.51
IRRIG LABOR COST	\$/AC	0.00	0.00	2.46	2.46	4.92	4.92	4.92	4.92	2.46	2.46	0.00	0.00	29.52
TOTAL EXPENSES	\$/AC	40.73	0.00	30.89	39.37	54.53	61.59	61.00	67.64	42.03	41.65	15.63	0.00	455.05

MONTHLY IRRIGATION AND LABOR REQUIREMENTS

IRRIGATION LABOR	HR/AC	0.00	0.00	0.62	0.62	1.23	1.23	1.23	1.23	0.62	0.62	0.00	0.00	7.38
IRRIG. WATER APPLIED	ACIN	0.00	0.00	6.00	6.00	12.00	12.00	12.00	12.00	6.00	6.00	0.00	0.00	72.00

MACHINERY FIXED AND VARIABLE COSTS PER ACRE

MACHINE	CODE	SIZE	PURCHASE PRICE	YEARS OWNED	ANN HOURS USED	FIXED COST PER ACRE			VARIABLE COST PER ACRE				HRS PER ACRE	
						DEPR.	INTER.	TAX & INS	TOTAL	FUEL	LUBE	REPAIRS		TOTAL
SURFACE IRR SYS*	128	2.0	38150.	10.	5000.	19.35	21.17	2.75	43.27	0.00	0.07	3.44	3.51	36.000
MACHINERY & EQUIPMENT			382.			19.35	21.17	2.75	43.27	0.00	0.07	3.44	3.51	
INVESTMENT & COSTS PER ACRE														
TOTAL INVESTMENT			38150.											

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 FARM ADVISOR

COSTS AND RETURNS WILL BE  
 DIVIDED BY 8.5 TON  
 TO OBTAIN PER-TON COSTS

LINE	1 JAN	2 FEB	3 MAR	4 APR	5 MAY	6 JUN	7 JUL	8 AUG	9 SEP	10 OCT	11 NOV	12 DEC	13 PRICE	14 SHARE RENT	15 UNIT CODE	16 ITEM CODE	17 TYPE	18 XXXX
PRODUCTION																		
NUMBER OF UNITS																		
1 ALFALFA HAY	0.00	0.00	0.00	1.00	1.00	1.50	1.50	1.50	1.00	1.00	0.00	0.00	95.000	0.000	3.	9.	2.	0.
2 RANGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50	15.000	0.000	7.	23.	2.	0.

OPERATING INPUTS	RATE/UNIT												PRICE	SHARE RENT	UNIT CODE	ITEM CODE	TYPE	HARV CODE
6 PHOSPHATE	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.300	0.000	12.	214.	3.	0.
7 CHEMICAL APPLIC	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	2.500	0.000	34.	360.	3.	0.
8 HERBICIDE	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	12.000	0.000	7.	250.	3.	0.
11 IRRIG DIST WATER	0.00	0.00	6.00	6.00	12.00	12.00	12.00	12.00	6.00	6.00	0.00	0.00	2.083	0.000	11.	323.	3.	0.
12 CUSTOM SWATHING	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	8.000	0.000	7.	314.	3.	9.
13 CUSTOM BANKOUT	0.00	0.00	0.00	1.00	1.00	1.50	1.50	1.50	1.00	1.00	0.00	0.00	12.000	0.000	3.	309.	3.	9.
14 CUSTOM BANKOUT	0.00	0.00	0.00	1.00	1.00	1.50	1.50	1.50	1.00	1.00	0.00	0.00	3.000	0.000	3.	309.	3.	9.

MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												A CREW LABOR	POWER UNIT	MACH CODE	TYPE	HARV CODE
													SHARE FIXED	SHARE VAR %	POWER UNIT	SYSA CODE	LIFT
49 ACIN IRRIG WATER	0.00	0.00	6.00	6.00	12.00	12.00	12.00	12.00	6.00	6.00	0.00	0.00	0.00	0.00	0.128.	0.	
50 NO. TIMES IRRIG	0.00	0.00	1.00	1.00	2.00	2.00	2.00	2.00	1.00	1.00	0.00	0.00	0.00	0.00	0.128.	0.	

EQUIPMENT REQUIREMENTS	NUMBER UNITS	PROPORT OF COST	XXX EQUIP CODE	TYPE XXXX

LAND REQUIREMENTS	CHARGE METHOD	NUMBER OF ACRES	VALUE OR COST/ACRE	TAXES PER ACRE	PERENNIAL CROPS YRS LIFE	COST/ACRE
	1.	100.00	2500.00	16.25	3.0	175.58

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MACHINERY COMPLEMENT 3  
 EQUIPMENT COMPLEMENT 1

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\*\*\*NO NAME CHANGES HAVE BEEN STORED WITH THIS BUDGET\*\*\*

PARAMETER CHGS-->	RW	CL	VALUE	RW	CL	VALUE	RW	CL	VALUE	RW	CL	VALUE	RW	CL	VALUE
1.			0.900000	3.		0.700000	10.		4.350000	11.		4.000000	12.		4.000000
28.			0.040000												0.615000

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