

TITLE: COSTS FOR PRODUCING ALFALFA HAY  
IN SAN BERNARDINO  
CUSTOM BASIS FOR OPERATIONS

AF-SI-79-5

Alfalfa hay #382

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
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1. GROSS RECEIPTS FROM PRODUCTION:				\$	
ALFALFA HAY	TON	65.000	8.500	552.50	
TOTAL RECEIPTS:				\$	552.50
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2. VARIABLE COSTS:					
PREHARVEST:		\$		\$	
PHOSPHATE	LBS.	0.250	100.000	25.00	
CHEMICAL APPLIC	ACRE	2.000	1.000	2.00	
HERBICIDE	ACRE	15.000	1.000	15.00	
INSECTICIDE	ACRE	15.000	1.000	15.00	
MISCL EXPENSE	ACRE	13.250	0.990	13.12	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			1.33	
IRRIGATION POWER-COST	ACRE			68.72	
IRRIGATION (LUBE-REPAIRS)	ACRE			7.41	
IRRIGATION WATER APPLIED	ACIN	1.037	72.000		
IRRIGATION LABOR	HOURL	4.250	13.000	55.25	
INTEREST ON OPERATING CAP.	DOL.	0.086	55.118	4.63	
TOTAL PREHARVEST COSTS:				\$	207.47
PREHARVEST COST PER TON				\$	24.41
HARVEST:		\$		\$	
CUSTOM SWATHING	ACRE	5.000	7.000	35.00	
CUSTOM WINROW	ACRE	1.000	7.000	7.00	
CUSTOM WINROW	TON	11.000	7.000	77.00	
CUSTOM BANKOUT	TON	3.000	7.000	21.00	
INTEREST ON OPERATING CAP.	DOL.	0.086	28.333	2.45	
TOTAL HARVEST COSTS:				\$	142.45
HARVEST COST PER TON				\$	16.76
TOTAL VARIABLE COSTS:				\$	349.91
VARIABLE COST PER TON				\$	41.17
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3. INCOME ABOVE VARIABLE COSTS:				\$	202.59
INCOME PER TON				\$	23.83
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4. CASH OVERHEAD:				\$	
REAL PROPERTY TAXES:					20.00
MISC. OFFICE & BOOKKEEPING ( 2.50% OF TOTAL VARIABLE COSTS)					8.75
TOTAL CASH OVERHEAD:				\$	28.75
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5. INCOME ABOVE ALL CASH COSTS:				\$	173.84
INCOME PER TON				\$	20.45
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6. OWNERSHIP COSTS:				\$	
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			0.00	
IRRIGATION SYSTEM	ACRE			29.11	
BUILDINGS	ACRE			6.80	
TREES, VINES OR STAND	ACRE			25.36	
TOTAL DEPRECIATION:				\$	61.27
CAPITAL & INTEREST:				\$	
MACHINERY&EQUIPMENT		0.086	0.000	0.00	
IRRIGATION SYSTEM		0.086	322.407	27.82	
BUILDINGS		0.086	133.688	11.54	
TREES, VINES OR STAND		0.086	101.435	8.75	
LAND		0.083	1200.000	99.00	
TOTAL INTEREST CHARGE:				\$	147.11
TOTAL FIXED COSTS:				\$	208.38
FIXED COST PER TON				\$	24.52
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7. TOTAL OF ABOVE COSTS:				\$	587.04
TOTAL COST PER TON				\$	69.06
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8. NET RETURNS:				\$	-34.54
NET RETURNS PER TON				\$	-4.06
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100 ACRE CROP WITH FLOOD IRRIGATION  
YIELD OF 8.5 TONS PER ACRE  
STUDY REPRESENTS TYPICAL PRACTICES

UC Cooperative Extension  
07/18/78

BUDGET IDENTIFICATION NUMBER 2 93600720 312 1  
DATE PRINTED: 03/22/79

BUDGET RECORD NUMBER 382  
HARVEST MONTH: 9

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	78.65	78.65	79.30	157.30	79.30	79.30	0.00	0.00	0.00	552.50
OPERATING EXPENSES														
PHOSPHATE	\$/AC	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
CHEMICAL APPLIC	\$/AC	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
HERBICIDE	\$/AC	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
INSECTICIDE	\$/AC	0.00	0.00	0.00	0.00	3.00	0.00	6.00	6.00	0.00	0.00	0.00	0.00	15.00
MISCL EXPENSE	\$/AC	0.00	0.00	0.00	1.86	1.86	1.86	3.84	1.86	1.86	0.00	0.00	0.00	13.12
CUSTOM SWATHING	\$/AC	0.00	0.00	0.00	5.00	5.00	5.00	10.00	5.00	5.00	0.00	0.00	0.00	35.00
CUSTOM WINROW	\$/AC	0.00	0.00	0.00	1.00	1.00	1.00	2.00	1.00	1.00	0.00	0.00	0.00	7.00
CUSTOM WINROW	\$/AC	0.00	0.00	0.00	11.00	11.00	11.00	22.00	11.00	11.00	0.00	0.00	0.00	77.00
CUSTOM BANKOUT	\$/AC	0.00	0.00	0.00	3.00	3.00	3.00	6.00	3.00	3.00	0.00	0.00	0.00	21.00
INTEREST ON OPER. CAP.	\$/AC	0.00	0.00	1.27	2.26	1.14	0.92	1.13	0.35	0.00	0.00	0.00	0.00	7.08
BLDG OPER. COST	\$/AC	0.00	0.00	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.00	0.00	0.00	1.33
IRRIGATION COST	\$/AC	0.00	0.00	8.46	8.46	8.46	12.69	16.92	12.69	8.46	0.00	0.00	0.00	76.13
IRRIG LABOR COST	\$/AC	0.00	0.00	6.38	6.38	6.38	8.50	12.75	8.50	6.38	0.00	0.00	0.00	55.25
TOTAL EXPENSES	\$/AC	0.00	0.00	31.30	66.14	41.02	44.16	80.83	49.58	36.88	0.00	0.00	0.00	349.91

		MONTHLY IRRIGATION AND LABOR REQUIREMENTS												
IRRIGATION LABOR	HR/AC	0.00	0.00	1.50	1.50	1.50	2.00	3.00	2.00	1.50	0.00	0.00	0.00	13.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	8.00	8.00	8.00	12.00	16.00	12.00	8.00	0.00	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
IRR PUMP 125 HP*	23	3.0	15788.	25.	2133.	9.76	12.47	3.00	25.23	68.72	1.03	2.87	72.62	36.000
SURFACE IRR SYS*	128	2.0	38150.	10.	5000.	19.35	15.35	3.09	37.80	0.00	0.07	3.44	3.51	36.000
FARM SHOP	2		12240.	35.		3.15	5.81	1.38	10.33	1.22		0.05	1.28	
SHOP TOOLS & EQUIP	4		3570.	15.		1.67	2.00	0.40	4.07	0.00		0.05	0.05	
STORAGE SHED	8		7650.	35.		1.97	3.63	0.86	6.46	0.00		0.01	0.01	
FUEL TANK 550 GAL	18		136.	30.		0.02	0.09	0.02	0.13	0.00		0.00	0.00	

TOTAL INVESTMENT OR COST	77534.					35.91	39.36	0.74	84.01	69.94	1.10	6.42	77.47
MACHINERY & EQUIPMENT	775.												
INVESTMENT PER ACRE													

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CHEMICAL APPLIC	\$/AC	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
HERBICIDE	\$/AC	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
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