

COST & RETURNS SUMMARY FOR ALFALFA HAY
 ALFALFA HAY-PROJECTED ESTABLISHMENT COSTS 1980
 BY ROBERT HAGEMANN, FARM ADVISOR
 IMPERIAL COUNTY

AF-SI-80-1

Alfalfa Hay # 357

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
ALFALFA HAY	TON	0.000	8.500	0.00	
TOTAL RECEIPTS:				0.00	
2. VARIABLE COSTS:					
PREHARVEST:					
N - P - O	LBS.	0.161	260.000	41.86	
ALFALFA HAY SEED	LBS.	2.100	20.000	42.00	
INSECTICIDE APP	ACRE	10.500	1.000	10.50	
HERBICIDE APP	ACRE	13.000	0.990	12.87	
IRRIG DIST WATER	ACIN	5.250	21.000	110.25	
CUSTOM PLOW	EACH	18.000	1.000	18.00	
CUSTOM DISC	EACH	6.500	4.000	26.00	
CUSTOM LEVELING	EACH	7.500	2.000	15.00	
PLANTING LABOR	HR	5.250	2.000	10.50	
BLD & BRK BORDER	EACH	11.500	1.000	11.50	
CUSTOM FLOAT	EACH	6.000	1.000	6.00	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			4.02	
IRRIGATION (SYSTEM MAINT.)	ACIN	0.059	21.000	1.23	
MACHINERY LABOR	HR	5.990	0.582	3.49	
IRRIGATION LABOR	HR	5.250	3.000	15.75	
INTEREST ON OPERATING CAP.	DOL.	0.14000	188.473	25.93	
TOTAL PREHARVEST COSTS:				354.89	
PREHARVEST COST PER ACRE				354.8919	
HARVEST:					
TOTAL HARVEST COSTS:				0.00	
HARVEST COST PER ACRE				0.0000	
TOTAL VARIABLE COSTS:				354.89	
VARIABLE COST PER ACRE				354.8919	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER ACRE				-354.89	
4. OVERHEAD:					
PERSONAL PROPERTY TAXES:				0.29	
REAL PROPERTY TAXES:				2.16	
CASH RENT:				150.00	
TOTAL OVERHEAD:				152.45	
OVERHEAD COST PER ACRE				152.4495	
TOTAL CASH COSTS:				507.34	
TOTAL CASH COST PER ACRE				507.3414	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER ACRE				-507.34	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			1.13	
IRRIGATION SYSTEM	ACRE			6.77	
TOTAL DEPRECIATION:				7.90	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.14000	7.459	1.04	
IRRIGATION SYSTEM		0.14000	62.268	8.72	
TOTAL INTEREST CHARGE:				9.76	
TOTAL FIXED COSTS:				17.67	
FIXED COST PER ACRE				17.6654	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER ACRE				525.01	
				525.0068	
8. NET RETURNS:					
NET RETURNS PER ACRE				-525.01	
				-525.0068	

MECHANICAL OPERATIONS AT CUSTOM RATES

FLOOD IRRIGATION 3 YEAR STAND LIFE

CUSTOM BASIS

DATE PRINTED: 01/12/81

HARVEST MONTH: 7

UPDATED 04/21/80
 BUDGET RECORD NUMBER 357

UC Cooperative Extension

1980 default data

CASH FLOW & INVESTMENT SUMMARY FOR ALFALFA HAY 1
 ALFALFA HAY-PROJECTED ESTABLISHMENT COSTS 1980
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BUDGET RECORD NUMBER 357

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OPERATING EXPENSES															
N - P - O	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.86	0.00	0.00	0.00	41.86
ALFALFA HAY SEED	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.00	0.00	0.00	42.00
INSECTICIDE APP	\$/AC	0.00	0.00	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.50
HERBICIDE APP	\$/AC	0.00	0.00	4.29	4.29	4.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.87
IRRIG DIST WATER	\$/AC	0.00	0.00	0.00	31.50	0.00	0.00	31.50	0.00	0.00	47.25	0.00	0.00	0.00	110.25
CUSTOM PLOW	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	0.00	0.00	0.00	0.00	18.00
CUSTOM DISC	\$/AC	0.00	6.50	0.00	6.50	0.00	6.50	0.00	0.00	6.50	0.00	0.00	0.00	0.00	26.00
CUSTOM LEVELING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.50	7.50	0.00	0.00	0.00	15.00
PLANTING LABOR	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.50	0.00	0.00	0.00	10.50
BLD & BRK BORDER	\$/AC	0.00	5.75	0.00	5.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50
CUSTOM FLOAT	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	6.00
MACHINE LABOR COST	\$/AC	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	3.49
INTEREST ON OPER. CAP.	\$/AC	0.04	0.72	0.69	1.81	0.11	0.49	0.00	2.38	13.33	6.26	0.06	0.05	0.05	25.93
EQUIPMENT COST	\$/AC	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	4.02
IRRIGATION COST	\$/AC	0.00	0.00	0.00	0.35	0.00	0.35	0.00	0.00	0.53	0.00	0.00	0.00	0.00	1.23
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	5.25	0.00	5.25	0.00	0.00	5.25	0.00	0.00	0.00	0.00	15.75
TOTAL EXPENSES	\$/AC	0.67	13.60	16.10	56.07	5.02	44.71	0.63	21.00	128.84	66.89	0.68	0.68	0.68	354.89

MONTHLY IRRIGATION AND LABOR REQUIREMENTS															
MACHINE LABOR	HR/AC	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.58
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	3.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	6.00	0.00	6.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	21.00

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		
TR 1-1/2 T	12	1.5	13200.	10.	400.	0.75	0.71	0.20	1.65	1.73	0.26	0.56	2.55	0.267	
PL 1/2 T	14	0.5	9000.	8.	500.	0.38	0.34	0.09	0.81	1.05	0.16	0.27	1.47	0.218	
SURFACE IRR SYS*	128	2.0	45780.	10.	5000.	6.77	8.72	2.16	17.65	0.00	0.02	1.20	1.23	10.500	
MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE			91.			7.90	9.76	2.45	20.11	2.78	0.44	2.04	5.25		
TOTAL INVESTMENT			67980.												

MECHANICAL OPERATIONS AT CUSTOM RATES
 FLOOD IRRIGATION 3 YEAR STAND LIFE
 CASH RENT BASIS

FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 357
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FUEL USED IN GALLONS PER HOUR

TRUCK 1-1/2 T 5.400
 PICKUP 1/2 T 4.000

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
TRUCK 1-1/2 T	0.120	
PICKUP 1/2 T	0.073	

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
PICKUP 1/2 T	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.873	GAS
TRUCK 1-1/2 T	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	1.440	GAS
TOTALS	0.193	0.193	0.193	0.193	0.193	0.193	0.193	0.193	0.193	0.193	0.193	0.193	2.313	

GALLONS FUEL BY TYPE

2.31 GAS
 0.00 LP
 0.00 DIESEL
 0.00 N. GAS
 0.00 KWHR

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

MACHINERY OPERATIONS SUMMARY

BUDGET RECORD NUMBER 357

ALFALFA HAY-PROJECTED ESTABLISHMENT COSTS 1980

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OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOUR S	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
PICKUP 1/2 T	14	AUG	1.00	0.022	0.018	0.12	0.07
TRUCK 1-1/2 T	12	AUG	1.00	0.027	0.022	0.21	0.14
PICKUP 1/2 T	14	SEPT	1.00	0.022	0.018	0.12	0.07
TRUCK 1-1/2 T	12	SEPT	1.00	0.027	0.022	0.21	0.14
PICKUP 1/2 T	14	OCT	1.00	0.022	0.018	0.12	0.07
TRUCK 1-1/2 T	12	OCT	1.00	0.027	0.022	0.21	0.14
PICKUP 1/2 T	14	NOV	1.00	0.022	0.018	0.12	0.07
TRUCK 1-1/2 T	12	NOV	1.00	0.027	0.022	0.21	0.14
PICKUP 1/2 T	14	DEC	1.00	0.022	0.018	0.12	0.07
TRUCK 1-1/2 T	12	DEC	1.00	0.027	0.022	0.21	0.14
PICKUP 1/2 T	14	JAN	1.00	0.022	0.018	0.12	0.07
TRUCK 1-1/2 T	12	JAN	1.00	0.027	0.022	0.21	0.14
PICKUP 1/2 T	14	FEB	1.00	0.022	0.018	0.12	0.07
TRUCK 1-1/2 T	12	FEB	1.00	0.027	0.022	0.21	0.14
PICKUP 1/2 T	14	MAR	1.00	0.022	0.018	0.12	0.07
TRUCK 1-1/2 T	12	MAR	1.00	0.027	0.022	0.21	0.14
PICKUP 1/2 T	14	APR	1.00	0.022	0.018	0.12	0.07
TRUCK 1-1/2 T	12	APR	1.00	0.027	0.022	0.21	0.14
PICKUP 1/2 T	14	MAY	1.00	0.022	0.018	0.12	0.07
TRUCK 1-1/2 T	12	MAY	1.00	0.027	0.022	0.21	0.14
PICKUP 1/2 T	14	JUNE	1.00	0.022	0.018	0.12	0.07
TRUCK 1-1/2 T	12	JUNE	1.00	0.027	0.022	0.21	0.14
PICKUP 1/2 T	14	JULY	1.00	0.022	0.018	0.12	0.07
TRUCK 1-1/2 T	12	JULY	1.00	0.027	0.022	0.21	0.14
TOTALS				0.582	0.485	4.02	2.46

MECHANICAL OPERATIONS AT CUSTOM RATES
 FLOOD IRRIGATION 3 YEAR STAND LIFE
 CASH RENT BASIS

UPDATED 04/21/80

UC Cooperative Extension

STORED DATA PAGE (NO CALCULATIONS) FOR ALFALFA HAY

BUDGET RECORD NUMBER 357

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COSTS AND RETURNS WILL BE
 DIVIDED BY 1.0 ACRE
 TO OBTAIN PER ACRE COSTS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	SHARE	UNIT	ITEM	TYPE	XXXX	
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	0.000	0.000	3.	9.	2.	0.	
OPERATING INPUTS																			
	RATE/UNIT												PRICE	SHARE	UNIT	ITEM	TYPE	HARV	
													RENT	CODE	CODE	CODE	CODE		
6 N - P - O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.161	0.000	12.	212.	3.	0.	
7 ALFALFA HAY SEED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	2.100	0.000	12.	109.	3.	0.	
8 INSECTICIDE APP	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.500	0.000	7.	359.	3.	0.	
9 HERBICIDE APP	0.00	0.00	0.33	0.33	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.000	0.000	7.	358.	3.	0.	
10 IRRIG DIST WATER	0.00	0.00	0.00	6.00	0.00	6.00	0.00	0.00	9.00	0.00	0.00	0.00	5.250	0.000	11.	323.	3.	0.	
11 CUSTOM PLOW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	18.000	0.000	23.	280.	3.	0.	
12 CUSTOM DISC	0.00	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	6.500	0.000	23.	281.	3.	0.	
13 CUSTOM LEVELING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	7.500	0.000	23.	282.	3.	0.	
14 PLANTING LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	5.250	0.000	8.	332.	3.	0.	
15 BLD & BRK BORDER	0.00	0.50	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.500	0.000	23.	284.	3.	0.	
16 CUSTOM FLOAT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	6.000	0.000	23.	283.	3.	0.	
MACHINERY REQUIREMENTS																			
	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												A CREW		POWER	MACH	TYPE	HARV	
													LABOR	UNIT	CODE	CODE			
26 PICKUP 1/2 T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.000	0.000	0.	14.	4.	0.	
27 TRUCK 1-1/2 T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.000	0.000	0.	12.	4.	0.	
EQUIPMENT REQUIREMENTS																			
													NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX	
													UNITS	OF COST	CODE	CODE	CODE		
STORAGED WITH BUDGET																			
LAND REQUIREMENTS	2	3	4	5	6	7	8												
	CHARGE		NUMBER	VALUE OR	TAXES	PERENNIAL CROPS													
	METHOD		OF ACRES	COST/ACRE	PER ACRE	YRS LIFE	COST/ACRE												
71	2.		750.00	150.00	0.00	0.0	0.00												
ENTERPRISE 2- 9 REGION/COUNTY 13 UNASSIGNED 00000 MACH COMP 1 IRRIG SYST 2 UNASSIGNED 0 EQUIP SET 1 HARVEST MONTH 7																			
MECHANICAL OPERATIONS AT CUSTOM RATES																			
FLOOD IRRIGATION 3 YEAR STAND LIFE																			
CASH RENT BASIS																			
UPDATED 04/21/80																			
MACHINERY COMPLEMENT 1																			
EQUIPMENT COMPLEMENT 1																			

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	RW	CL	VALUE
12			5.250000															
1980 data - default																		