

TITLE: PRODUCTION COSTS & RETURNS
FOR ALFALFA HAY IN IMPERIAL COUNTY
8.5 TON YIELD

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
ALFALFA HAY	TON	60.000	8.500	\$ 510.00	
TOTAL RECEIPTS:				\$ 510.00	
2. VARIABLE COSTS:					
PREHARVEST:					
PHOSPHATE	LBS.	0.250	100.000	\$ 25.00	
INSECTICIDE	APLC	8.500	6.000	51.00	
IRRIG DIST WATER	ACFT	5.000	7.000	35.00	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			2.30	
IRRIGATION (LUBE-REPAIRS)	ACRE			7.12	
IRRIGATION WATER APPLIED	ACIN	0.098	73.000		
MACHINERY LABOR	HOUR	5.100	0.582	2.97	
IRRIGATION LABOR	HOUR	4.250	15.000	63.75	
INTEREST ON OPERATING CAP.	DOL.	0.086	101.754	8.64	
TOTAL PREHARVEST COSTS:				\$ 195.78	
PREHARVEST COST PER TON				\$ 23.03	
HARVEST:					
CUSTOM SWATHING	EACH	4.000	7.000	\$ 28.00	
CUSTOM WINROW	EACH	2.000	7.000	14.00	
CUSTOM BALE	TON	7.000	8.500	59.50	
CUSTOM BANKOUT	TON	2.400	8.500	20.40	
INTEREST ON OPERATING CAP.	DOL.	0.086	50.792	4.38	
TOTAL HARVEST COSTS:				\$ 126.28	
HARVEST COST PER TON				\$ 14.86	
TOTAL VARIABLE COSTS:				\$ 322.06	
VARIABLE COST PER TON				\$ 37.89	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER TON				\$ 187.94	
				\$ 22.11	
4. CASH OVERHEAD:					
CASH RENT:				\$ 125.00	
MISC. OFFICE & BOOKKEEPING (2.50% OF TOTAL VARIABLE COSTS)				8.05	
TOTAL CASH OVERHEAD:				\$ 133.05	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER TON				\$ 54.89	
				\$ 6.46	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			\$ 0.57	
IRRIGATION SYSTEM	ACRE			39.25	
TREES, VINES OR STAND	ACRE			28.17	
TOTAL DEPRECIATION:				\$ 67.98	
CAPITAL & INTEREST:					
MACHINERY&EQUIPMENT		0.086	2.290	\$ 0.20	
IRRIGATION SYSTEM		0.086	360.758	31.13	
TREES, VINES OR STAND		0.086	84.500	7.29	
TOTAL INTEREST CHARGE:				\$ 38.62	
TOTAL FIXED COSTS:				\$ 106.60	
FIXED COST PER TON				12.54	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER TON				\$ 561.72	
				66.08	
8. NET RETURNS:					
NET RETURNS PER TON				\$ -51.72	
				-6.08	

BASED ON 750 ACRES OF
FLOOD IRRIGATED ALFALFA.
TENANT LANDLORD BASIS.

UPDATED 11/10/78

BUDGET IDENTIFICATION NUMBER 2 91300430 312 1
DATE PRINTED: 03/22/79

BUDGET RECORD NUMBER 358
HARVEST MONTH: 12

ALFALFA HAY-PROJECTED PRODUCTION COSTS-1980
 BY ROBERT HAGEMANN, FARM ADVISOR
 IMPERIAL COUNTY NORMAL YIELD OF 8 TONS PER ACRE

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

LINE PRODUCTION	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					
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	85.000	0.000	3.	9.	2.	0.					
OPERATING INPUTS													RATE/UNIT		PRICE	SHARE RENT	UNIT CODE	ITEM CODE	TYPE	HARV CODE			
6 PHOSPHATE	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.275	0.000	12.	214.	3.	0.					
7 INSECTICIDE	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	13.500	0.000	34.	240.	3.	0.					
8 IRRIG DIST WATER	0.00	0.50	1.00	1.00	1.00	1.00	1.00	1.00	0.50	0.00	0.00	0.00	5.250	0.000	30.	323.	3.	0.					
9 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	5.000	0.000	23.	314.	3.	9.					
10 CUSTOM WINROW	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	3.250	0.000	23.	307.	3.	9.					
11 CUSTOM BALE	0.00	0.00	0.00	1.00	1.00	1.50	1.50	1.50	1.00	1.00	0.00	0.00	8.000	0.000	3.	291.	3.	9.					
12 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	3.330	0.000	3.	309.	3.	9.					
MACHINERY REQUIREMENTS													IMPLEMENTS = TIMES OVER,		TRUCKS = # MILES/ACRE,		TRACTORS = HRS/ACRE		M CREW	POWER	MACH	TYPE	HARV
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.					
49 ACIN IRRIG WATER	0.00	6.00	12.00	12.00	12.00	1.00	12.00	12.00	6.00	0.00	0.00	0.00	1.00	0.00	0.	128.	0.						
50 NO. TIMES IRRIG	0.00	1.00	2.00	2.00	2.00	3.00	2.00	2.00	1.00	0.00	0.00	0.00											

EQUIPMENT REQUIREMENTS

EQUIPMENT REQUIREMENTS	CHARGE METHOD	NUMBER OF ACRES	VALUE OR COST/ACRE	TAXES PER ACRE	PERENNIAL CROPS YRS LIFE	COST/ACRE
71	2.	750.00	150.00	0.00	3.0	169.00

NUMBER UNITS PROPOROT OF COST XXX EQUIP TYPE XXXX CODE

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

MACHINERY COMPLEMENT 1
 EQUIPMENT COMPLEMENT 1

UPDATED 04/21/80

NO NAME CHANGES HAVE BEEN STORED WITH THIS BUDGET

PARAMETER CHGS-->12.	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE
		5.250000										

3/22/79

IDENTIFICATION NUMBER 2 91300430 312 1
 PRODUCTION COSTS & RETURNS
 FOR ALFALFA HAY IN IMPERIAL COUNTY
 8.5 TON YIELD

HARVEST MONTH 12

BUDGET RECORD NUMBER 358

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	60.00	60.00	90.00	90.00	90.00	60.00	60.00	0.00	0.00	510.00
OPERATING EXPENSES														
PHOSPHATE	\$/AC	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
INSECTICIDE	\$/AC	0.00	0.00	0.00	8.50	8.50	8.50	8.50	8.50	8.50	0.00	0.00	0.00	51.00
IRRIG DIST WATER	\$/AC	0.00	2.50	5.00	5.00	5.00	5.00	5.00	5.00	2.50	0.00	0.00	0.00	35.00
CUSTOM SWATHING	\$/AC	0.00	0.00	0.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	0.00	0.00	28.00
CUSTOM WINROW	\$/AC	0.00	0.00	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	0.00	0.00	14.00
CUSTOM BALE	\$/AC	0.00	0.00	0.00	7.00	7.00	10.50	10.50	10.50	7.00	7.00	0.00	0.00	59.50
CUSTOM BANKOUT	\$/AC	0.00	0.00	0.00	2.40	2.40	3.60	3.60	3.60	2.40	2.40	0.00	0.00	20.40
MACHINE LABOR COST	\$/AC	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	2.97
INTEREST ON OPER. CAP.	\$/AC	0.03	0.56	2.57	2.23	1.94	2.00	1.55	1.24	0.67	0.23	0.00	0.00	13.02
EQUIPMENT COST	\$/AC	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	2.30
IRRIGATION COST	\$/AC	0.00	0.59	1.17	1.17	1.17	0.10	1.17	1.17	0.59	0.00	0.00	0.00	7.12
IRRIG LABOR COST	\$/AC	0.00	4.25	8.50	8.50	8.50	12.75	8.50	8.50	4.25	0.00	0.00	0.00	63.75
TOTAL EXPENSES	\$/AC	0.47	6.33	42.68	41.24	40.95	48.89	45.26	44.95	32.35	16.07	0.44	0.44	322.06

MACHINE LABOR	HR/AC	MONTHLY IRRIGATION AND LABOR REQUIREMENTS												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
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	0.58
IRRIGATION LABOR	HR/AC	0.00	1.00	2.00	2.00	2.00	3.00	2.00	2.00	1.00	0.00	0.00	0.00	15.00
IRRIG. WATER APPLIED	ACIN	0.00	6.00	12.00	12.00	12.00	1.00	12.00	12.00	6.00	0.00	0.00	0.00	73.00

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		
TRUCK 1-1/2 T	12	1.5	11000.	4.	1400.	0.33	0.12	0.02	0.48	0.84	0.13	0.54	1.50	0.267	
PICKUP 1/2 T	14	0.5	7500.	3.	1350.	0.24	0.07	0.01	0.32	0.51	0.08	0.22	0.81	0.218	

TOTAL INVESTMENT OR COST 18500.
 MACHINERY & EQUIPMENT 25.
 INVESTMENT PER ACRE

0.57 0.20 0.04 0.80 1.34 0.20 0.76 2.30

BASED ON 750 ACRES OF
 FLOOD IRRIGATED ALFALFA.
 TENANT LANDLORD BASIS.

UPDATED 11/10/78

UC Cooperative Extension

IDENTIFICATION NUMBER 2 91300430 312 1
 PRODUCTION COSTS & RETURNS
 FOR ALFALFA HAY IN IMPERIAL COUNTY
 8.5 TON YIELD

HARVEST MONTH 12

BUDGET RECORD NUMBER 358

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	60.00	60.00	90.00	90.00	90.00	60.00	60.00	0.00	0.00	510.00
OPERATING EXPENSES														
PHOSPHATE	\$/AC	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
INSECTICIDE	\$/AC	0.00	0.00	0.00	8.50	8.50	8.50	8.50	8.50	8.50	0.00	0.00	0.00	51.00
IRRIG DIST WATER	\$/AC	0.00	2.50	5.00	5.00	5.00	5.00	5.00	5.00	2.50	0.00	0.00	0.00	35.00
CUSTOM SWATHING	\$/AC	0.00	0.00	0.00	4.00	4.00	4.00	4.00	4.00	4.00	0.00	0.00	0.00	28.00
CUSTOM WINROW	\$/AC	0.00	0.00	0.00	2.00	2.00	2.00	2.00	2.00	2.00	0.00	0.00	0.00	14.00
CUSTOM BALE	\$/AC	0.00	0.00	0.00	7.00	7.00	10.50	10.50	10.50	7.00	7.00	0.00	0.00	59.50
CUSTOM BANKOUT	\$/AC	0.00	0.00	0.00	2.40	2.40	3.60	3.60	3.60	2.40	2.40	0.00	0.00	20.40
MACHINE LABOR COST	\$/AC	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	2.97
INTEREST ON OPER. CAP.	\$/AC	0.03	0.56	2.57	2.23	1.94	2.00	1.55	1.24	0.67	0.23	0.00	0.00	13.02
EQUIPMENT COST	\$/AC	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	2.30
IRRIGATION COST	\$/AC	0.00	0.59	1.17	1.17	1.17	0.10	1.17	1.17	0.59	0.00	0.00	0.00	7.12
IRRIG LABOR COST	\$/AC	0.00	4.25	8.50	8.50	8.50	12.75	8.50	8.50	4.25	0.00	0.00	0.00	63.75
TOTAL EXPENSES	\$/AC	0.47	8.33	42.68	41.24	40.95	48.89	45.26	44.95	32.35	16.07	0.44	0.44	322.06

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	0.58
IRRIGATION LABOR	HR/AC	0.00	1.00	2.00	2.00	2.00	3.00	2.00	2.00	1.00	0.00	0.00	0.00	15.00
IRRIG. WATER APPLIED	ACIN	0.00	6.00	12.00	12.00	12.00	1.00	12.00	12.00	6.00	0.00	0.00	0.00	73.00

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 \$/NS	TOTAL	FUEL	LUBE	REPAIRS	TOTAL	
TRUCK 1-1/2 T	12	1.5	11000.	4.	1400.	0.33	0.12	0.02	0.48	0.84	0.13	0.54	1.50	0.267
PICKUP 1/2 T	14	0.5	7500.	3.	1350.	0.24	0.07	0.01	0.32	0.51	0.08	0.22	0.81	0.218
TOTAL INVESTMENT OR COST MACHINERY & EQUIPMENT			18500.			0.57	0.20	0.04	0.80	1.34	0.20	0.76	2.30	
INVESTMENT PER ACRE			25.											

BASED ON 750 ACRES OF
 FLOOD IRRIGATED ALFALFA.
 TENANT LANDLORD BASIS.

UPDATED 11/10/78