

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

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
ALFALFA HAY	TON	85.000	8.500	722.50	
TOTAL RECEIPTS:				\$ 722.50	
2. VARIABLE COSTS:					
PREHARVEST:					
PHOSPHATE	LBS.	0.275	100.000	27.50	
INSECTICIDE	APLC	13.500	4.000	54.00	
IRRIG DIST WATER	ACFT	5.250	7.000	36.75	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			4.02	
IRRIGATION (SYSTEM MAINT.)	ACIN	0.059	73.000	4.27	
MACHINERY LABOR	HOUR	5.990	0.582	3.49	
IRRIGATION LABOR	HOUR	5.250	15.000	78.75	
INTEREST ON OPERATING CAP.	DOL.	0.140	79.065	10.82	
TOTAL PREHARVEST COSTS:				\$ 219.59	
PREHARVEST COST PER TON				\$ 25.8346	
HARVEST:					
CUSTOM SWATHING	EACH	5.000	7.000	35.00	
CUSTOM WINROW	EACH	3.250	7.000	22.75	
CUSTOM BALE	TON	8.000	8.500	68.00	
CUSTOM BANKOUT	TON	3.330	8.500	28.30	
INTEREST ON OPERATING CAP.	DOL.	0.140	64.405	9.02	
TOTAL HARVEST COSTS:				\$ 163.07	
HARVEST COST PER TON				\$ 19.1849	
TOTAL VARIABLE COSTS:				\$ 382.67	
VARIABLE COST PER TON				\$ 45.0195	
INCOME ABOVE VARIABLE COSTS:				\$ 339.83	
INCOME PER TON				\$ 39.9805	
4. CASH OVERHEAD:					
CASH RENT:				150.00	
TOTAL CASH OVERHEAD:				\$ 150.00	
OVERHEAD COST PER TON				17.6471	
5. INCOME ABOVE ALL CASH COSTS:				\$ 189.83	
INCOME PER TON				\$ 22.3334	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			1.13	
TREES, VINES OR STAND	ACRE			56.33	
TOTAL DEPRECIATION:				\$ 57.46	
CAPITAL & INTEREST:					
MACHINERY&EQUIPMENT		0.140	7.459	1.04	
TREES, VINES OR STAND		0.107	169.000	9.02	
TOTAL INTEREST CHARGE:				\$ 10.06	
TOTAL FIXED COSTS:				\$ 67.52	
FIXED COST PER TON				7.9439	
7. TOTAL OF ABOVE COSTS:				\$ 600.19	
TOTAL COST PER TON				70.6105	
8. NET RETURNS:				\$ 122.31	
NET RETURNS PER TON				14.3895	

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

BUDGET IDENTIFICATION NUMBER 2 91300000 120 1
 DATE PRINTED: 06/11/80
 1980 Default Data

UPDATED 04/21/80

UC Cooperative Extension

BUDGET RECORD NUMBER 358
 HARVEST MONTH: 7

ALFALFA HAY-PROJECTED PRODUCTION COSTS-1980

BY ROBERT HAGEMANN, FARM ADVISOR

IMPERIAL COUNTY NORMAL YIELD OF 8 TONS PER ACRE

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	85.00	85.00	127.50	127.50	127.50	85.00	85.00	0.00	0.00	722.50
OPERATING EXPENSES														
PHOSPHATE	\$/AC	0.00	0.00	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.50
INSECTICIDE	\$/AC	0.00	0.00	0.00	13.50	0.00	0.00	13.50	13.50	13.50	0.00	0.00	0.00	54.00
IRRIG DIST WATER	\$/AC	0.00	2.63	5.25	5.25	5.25	5.25	5.25	5.25	2.63	0.00	0.00	0.00	36.75
CUSTOM SWATHING	\$/AC	0.00	0.00	0.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	0.00	0.00	35.00
CUSTOM WINROW	\$/AC	0.00	0.00	0.00	3.25	3.25	3.25	3.25	3.25	3.25	3.25	0.00	0.00	22.75
CUSTOM BALE	\$/AC	0.00	0.00	0.00	8.00	8.00	12.00	12.00	12.00	8.00	8.00	0.00	0.00	68.00
CUSTOM BANKOUT	\$/AC	0.00	0.00	0.00	3.33	3.33	5.00	5.00	5.00	3.33	3.33	0.00	0.00	28.30
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	3.49
INTEREST ON OPER. CAP.	\$/AC	0.04	0.50	1.99	1.70	0.83	0.53	0.00	7.14	4.86	2.12	0.06	0.05	19.83
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	4.02
IRRIGATION COST	\$/AC	0.00	0.35	0.70	0.70	0.70	0.06	0.70	0.70	0.35	0.00	0.00	0.00	4.27
IRRIG LABOR COST	\$/AC	0.00	5.25	10.50	10.50	10.50	15.75	10.50	10.50	5.25	0.00	0.00	0.00	78.75
TOTAL EXPENSES	\$/AC	0.67	9.35	46.57	51.86	37.49	47.46	55.82	62.96	46.79	22.33	0.68	0.68	382.67

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 & INS	TOTAL	FUEL	LUBE	REPAIRS	TOTAL	
TRUCK 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
PICKUP 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	0.	10.	5000.	0.00	0.00	0.00	0.00	0.00	0.08	4.19	4.27	36.500
MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE			30.			1.13	1.04	0.29	2.46	2.78	0.50	5.02	8.29	
TOTAL INVESTMENT			22200.											

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

UC Cooperative Extension

UPDATED 04/21/80

FUEL USE SUMMARY FOR BUDGET NUMBER 2 91300000 120 1

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

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
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	1
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	1
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

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FUEL TYPES
 1=GAS
 2=L.P.
 3=DIESEL

ALFALFA HAY-PROJECTED PRODUCTION COSTS-1980
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 IMPERIAL COUNTY NORMAL YIELD OF 8 TONS PER ACRE

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	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

BUDGET IDENTIFICATION NUMBER--- 2 91300000 120 1
 ANNUAL CAPITAL MONTH 7 BUDGET RECORD NUMBER 358

UC Cooperative Extension

STORED DATA PAGE (NO CALCULATIONS) FOR ALFALFA HAY

BUDGET RECORD NUMBER 358

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.	
													NUMBER OF UNITS						
OPERATING INPUTS													PRICE	SHARE RENT	UNIT CODE	ITEM CODE	TYPE	HARV CODE	
6 PHOSPHATE	0.00	0.00	100.00	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 LABOR	POWER UNIT	MACH CODE	TYPE	HARV 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.	
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	NUMBER UNITS	PROPORT OF COST	XXX	EQUIP CODE	TYPE	XXXX
NONE STORED WITH BUDGET						
COLUMNS --->	2	3	4	5	6	8
LAND 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
ENTRISE 2- 9 REGION/COUNTY	13 UNASSIGNED	00000	MACH COMP	1	IRIG SYST	2 UNASSIGNED 0 EQUIP SET
						1 HARVEST MONTH 7

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

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

1980 de fault data