

COSTS & RETURNS SUMMARY FOR ALFALFA HAY
 ESTABLISHMENT COSTS OF ALFALFA HAY BY RON VARGAS, FARM ADVISOR
 MADERA COUNTY 1981
 LAND OWNERSHIP BASIS

*** SCS BUDGET ***

Alfalfa
 Hay # 198

AF-VN-81-3

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
TOTAL RECEIPTS:				0.00	
2. VARIABLE COSTS:					
PREHARVEST:					
PRE-MERGE HERB.	ACRE	6.800	1.000	6.80	
HERBICIDE APP	ACRE	9.250	1.000	9.25	
ALFALFA SEED	LBS.	2.150	20.000	43.00	
CUSTOM AIR SEED	ACRE	4.000	1.000	4.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			16.63	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			3.56	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			2.87	
MACHINERY LABOR	hour	6.000	2.158	12.95	
INTEREST ON OPERATING CAP.	DOL.	0.07370	10.846	0.77	
TOTAL PREHARVEST COSTS:				99.84	
PREHARVEST COST PER ACRE				99.8415	
HARVEST:					
TOTAL HARVEST COSTS:				0.00	
HARVEST COST PER ACRE				0.0000	
TOTAL VARIABLE COSTS:				99.84	
VARIABLE COST PER ACRE				99.8415	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER ACRE				-99.84	
4. OVERHEAD:					
PERSONAL PROPERTY TAXES:				3.63	
REAL PROPERTY TAXES:				22.50	
TOTAL OVERHEAD:				26.13	
OVERHEAD COST PER ACRE				26.1322	
TOTAL CASH COSTS:					
TOTAL CASH COST PER ACRE				125.97	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER ACRE				-125.97	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			8.25	
BUILDINGS	ACRE			14.62	
TOTAL DEPRECIATION:				22.87	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.07370	89.898	6.63	
BUILDINGS		0.07370	287.528	21.19	
LAND		0.07370	2000.000	147.40	
TOTAL INTEREST CHARGE:				175.22	
TOTAL FIXED COSTS:				198.09	
FIXED COST PER ACRE				198.0872	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER ACRE				324.06	
8. NET RETURNS:					
NET RETURNS PER ACRE				-324.06	

BASED ON 80 ACRES ALFALFA ON 320 ACRE FARM
 NO IRRIGATION; FALL PLANTING
 LAND OWNERSHIP BASIS 7% INTEREST RATE
 DATE PRINTED: 02/05/81 HARVEST MONTH: 11
 1980 default data

Updated 2/5/81 UC Cooperative Extension
 BUDGET RECORD NUMBER 198

CASH FLOW & INVESTMENT SUMMARY FOR ALFALFA HAY
 ESTABLISHMENT COSTS OF ALFALFA HAY
 MADERA COUNTY
 LAND OWNERSHIP BASIS

*** SCS BUDGET ***
 BY RON VARGAS, FARM ADVISOR

BUDGET RECORD NUMBER 198

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															
PRE-MERGE HERB	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.80	0.00	0.00	6.80
HERBICIDE APP	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.25	0.00	0.00	9.25
ALFALFA SEED	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.00	0.00	0.00	43.00
CUSTOM AIR SEED	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	4.00
MACHINE LABOR COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.90	3.05	0.00	0.00	12.95
INTEREST ON OPER. CAP.	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.43	0.00	0.00	0.77
TRACTOR COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.83	2.80	0.00	0.00	16.63
EQUIPMENT COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	0.52	0.00	0.00	3.56
BLDG OPER. COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	1.44	0.00	0.00	2.87
TOTAL EXPENSES	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.56	71.29	0.00	0.00	99.84

MONTHLY IRRIGATION AND LABOR REQUIREMENTS															
MACHINE LABOR	HR/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65	0.51	0.00	0.00	2.16

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
TRACTOR 75 HP	4	75.0	17400.	20.	600.	1.18	1.13	0.61	2.92	3.23	0.48	1.95	5.67	0.935
TRACTOR 120 HP	7	120.0	36000.	20.	600.	2.69	2.56	1.39	6.63	5.68	0.85	4.44	10.97	1.027
CHISEL	42	8.0	3600.	15.	150.	0.58	0.39	0.22	1.20	0.00	0.02	0.77	0.79	0.404
CULTIPACKER	48	12.0	2280.	15.	60.	0.31	0.20	0.11	0.62	0.00	0.00	0.12	0.12	0.133
DISC OFFSET HDTY	62	18.0	9720.	15.	100.	2.03	1.36	0.76	4.16	0.00	0.03	1.67	1.70	0.347
SPRINGTOOTH	76	12.0	2400.	15.	150.	0.28	0.19	0.10	0.56	0.00	0.01	0.39	0.40	0.286
4 WH PLANE 16X60	86	16.0	14520.	15.	160.	0.99	0.67	0.37	2.03	0.00	0.01	0.38	0.39	0.182
FLOAT	88	12.0	1260.	15.	200.	0.06	0.04	0.02	0.13	0.00	0.00	0.06	0.06	0.170
DISK BORDER SGLE	135	12.0	780.	15.	100.	0.12	0.08	0.05	0.25	0.00	0.00	0.10	0.11	0.260
FARM SHOP	2		21060.	35.		6.77	10.67	2.63	20.07	2.63		0.11	2.75	
TO SHOP EQUIP	4		6143.	15.		3.58	3.68	0.77	8.03	0.00		0.10	0.10	
SHED	8		13163.	35.		4.23	6.67	1.65	12.55	0.00		0.02	0.02	
FUELTANK 550 GAL	18		234.	30.		0.04	0.17	0.03	0.24	0.00		0.00	0.00	
MACHINERY & EQUIPMENT			1607.			22.87	27.82	8.71	59.39	11.54	1.41	10.12	23.07	
INVESTMENT & COSTS PER ACRE														
TOTAL INVESTMENT														128559.

BASED ON 80 ACRES ALFALFA ON 320 ACRE FARM
 NO IRRIGATION; FALL PLANTING
 LAND OWNERSHIP BASIS 7% INTEREST RATE
 DATE PRINTED: 02/05/81

Updated 2/5/81

MACHINERY OPERATIONS SUMMARY
 ESTABLISHMENT COSTS OF ALFALFA HAY
 MADERA COUNTY 1981
 LAND OWNERSHIP BASIS

BUDGET RECORD NUMBER 198
 BY RON VARGAS, FARM ADVISOR

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOUR S	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
CHISEL	7, 42	SEPT	1.00	0.489	0.404	5.54	4.07
DISC OFFSET HDY	7, 62	SEPT	2.00	0.420	0.347	5.78	6.62
4 WH PLANE 16X60	7, 86	SEPT	1.00	0.220	0.182	2.52	3.33
DISK BORDER SGLE	4, 135	SEPT	1.00	0.315	0.260	1.84	1.14
FLOAT	4, 88	SEPT	1.00	0.205	0.170	1.20	0.71
SPRINGTOOTH	4, 76	OCT	1.00	0.347	0.286	2.31	1.55
CULTIPACKER	4, 48	OCT	1.00	0.161	0.133	1.01	1.08

TOTALS

2.158 1.783 20.20 18.51

BASED ON 80 ACRES ALFALFA ON 320 ACRE FARM

NO IRRIGATION; FALL PLANTING

LAND OWNERSHIP BASIS 7% INTEREST RATE

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FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 198
 ESTABLISHMENT COSTS OF ALFALFA HAY BY RON VARGAS, FARM ADVISOR
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*** SCS BUDGET ***

FUEL USED IN GALLONS PER HOUR

TRACTOR 75 HP 3.600
 TRACTOR 120 HP 5.760

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
CHISEL	2.562	TRACTOR 120 HP
DISC OFFSET HDY	1.100	TRACTOR 120 HP
4 WH PLANE 16X60	1.152	TRACTOR 120 HP
DISK BORDER SGLE	1.031	TRACTOR 75 HP
FLOAT	0.672	TRACTOR 75 HP
SPRINGTOOTH	1.134	TRACTOR 75 HP
CULTIPACKER	0.528	TRACTOR 75 HP

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
CHISEL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.562	0.000	0.000	0.000	2.562	DIESEL
DISC OFFSET HDY	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.200	0.000	0.000	0.000	2.200	DIESEL
4 WH PLANE 16X60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.152	0.000	0.000	0.000	1.152	DIESEL
DISK BORDER SGLE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.031	0.000	0.000	0.000	1.031	DIESEL
FLOAT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.672	0.000	0.000	0.000	0.672	DIESEL
SPRINGTOOTH	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.134	0.000	0.000	1.134	DIESEL
CULTIPACKER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.528	0.000	0.000	0.528	DIESEL
TOTALS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.618	1.662	0.000	0.000	9.280	

GALLONS FUEL BY TYPE

0.00 GAS
 0.00 LP
 9.28 DIESEL
 0.00 N. GAS
 0.00 KWHR

FUEL TYPES

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

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LAND OWNERSHIP BASIS 7% INTEREST RATE

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UC Cooperative Extension

STORED DATA PAGE (NO CALCULATIONS) FOR ALFALFA HAY

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ESTABLISHMENT COSTS OF ALFALFA HAY BY RON VARGAS, FARM ADVISOR
 MADERA COUNTY 1981
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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 RENT	UNIT CODE	ITEM CODE	TYPE	XXXX
1 ALFALFA HAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00115.000	0.000	3.	9.	2.	0.
OPERATING INPUTS																		
	RATE/UNIT												PRICE	SHARE RENT	UNIT CODE	ITEM CODE	TYPE	HARV CODE
6 PRE-MERGE HERB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	6.800	0.000	7.	254.	3.	0.
7 HERBICIDE APP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	9.250	0.000	7.	358.	3.	0.
8 ALFALFA 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	2.150	0.000	12.	10.	3.	0.
9 CUSTON AIR SEED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	4.000	0.000	7.	371.	3.	0.
MACHINERY REQUIREMENTS																		
	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												M CREW LABOR	POWER UNIT	MACH CODE	TYPE	HARV CODE	
26 CHISEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.000	0.000	7.	42.	4.	0.
27 DISC OFFSET HDY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.000	0.000	7.	62.	4.	0.
28 4 WH PLANE 16X60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.000	0.000	7.	86.	4.	0.
29 DISK BORDER SGLE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.000	0.000	4.	135.	4.	0.
30 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	0.000	0.000	4.	88.	4.	0.
31 SPRINGTOOTH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.000	0.000	4.	76.	4.	0.
32 CULTIPACKER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.000	0.000	4.	48.	4.	0.

EQUIPMENT REQUIREMENTS

	NUMBER UNITS	PROPORT OF COST	XXX EQUIP CODE	TYPE	XXXX
51 FARM SHOP	1.000	0.500	0.	2.	5.
52 TOOLS-SHOP EQUIP	1.000	0.500	0.	4.	5.
53 STORAGE SHED	1.000	0.500	0.	8.	5.
54 FUEL TANK 550 GAL COLUMNS --->	1.000	0.500	0.	18.	5.

LAND REQUIREMENTS	2 CHARGE METHOD	3	4 NUMBER OF ACRES	5 VALUE OR COST/ACRE	6 TAXES PER ACRE	7 PERENNIAL CROPS YRS LIFE	8 COST/ACRE
71 RISE 2- 9 REGION/COUNTY 20 UNASSIGNED	1.		80.00	2000.00	22.50	0.0	0.00
EI							

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Updated 2/5/81

MACHINERY COMPLEMENT 2
 EQUIPMENT COMPLEMENT 1

NO NAME CHANGES HAVE BEEN STORED WITH THIS BUDGET

MACH COMP CHGS-->	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE
42.	2.	8.000000										
PARAMETER CHGS-->	10.	6.000000	11.	4.900000	12.	5.000000	6.	0.073700	26.	0.073700		

DATE PRINTED: 02/05/81
 1980 default data

Additional Notes: Alfalfa Hay Establishment
Madera County 1981
By Ronald Vargas, Farm Advisor

Data Base: Budget 196
Establishment Costs of Alfalfa Hay
Madera County
(Based on 80 acres alfalfa on 160 acre farm)
By Ronald Vargas, Farm Advisor

Changes:

Farm size: 320 acres
Alfalfa: 80 acres

Machinery complement: 2

See Budget Record Number 199 for production costs.