

81
Alfalfa hay

TITLE: ESTABLISHMENT COSTS FOR ALFALFA HAY
WESTSIDE FRESNO COUNTY 1980
REAL ESTATE TAXES CHARGED TO PRODUCTION

BY BOB SHEESLEY, FARM ADVISOR

	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:					
SINGLE-SUPR PHOS	LBS.	0.047	500.000	23.40	
FERTILIZER APP	APLC	2.750	1.000	2.75	
HERBICIDE	APLC	12.000	1.000	12.00	
HERBICIDE APP	APLC	3.000	1.000	3.00	
ALFALFA HAY SEED	LBS.	2.500	20.000	50.00	
CUSTOM AIR SEED	ACRE	2.500	1.000	2.50	
IRRIG DIST WATER	ACIN	1.000	12.000	12.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			18.61	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			4.59	
IRRIGATION (SYSTEM MAINT.)	ACIN	0.059	12.000	0.70	
MACHINERY LABOR	HOOR	5.500	2.351	12.93	
IRRIGATION LABOR	HOOR	4.500	1.000	4.50	
INTEREST ON OPERATING CAP.	DOL.	0.140	9.743	1.29	
TOTAL PREHARVEST COSTS:				\$ 148.27	
PREHARVEST COST PER ACRE				\$ 148.2713	
HARVEST:					
TOTAL HARVEST COSTS:				\$ 0.00	
HARVEST COST PER ACRE				\$ 0.0000	
TOTAL VARIABLE COSTS:				\$ 148.27	
VARIABLE COST PER ACRE				\$ 148.2713	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER ACRE				\$ -148.27	
4. CASH OVERHEAD:					
TOTAL CASH OVERHEAD:				\$ 0.00	
OVERHEAD COST PER ACRE				0.0000	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER ACRE				\$ -148.27	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			7.52	
IRRIGATION SYSTEM	ACRE			3.87	
TOTAL DEPRECIATION:				\$ 11.39	
CAPITAL & INTEREST:					
MACHINERY&EQUIPMENT		0.140	50.380	7.05	
IRRIGATION SYSTEM		0.140	35.582	4.98	
LAND		0.107	900.000	96.03	
TOTAL INTEREST CHARGE:				\$ 108.06	
TOTAL FIXED COSTS:				\$ 119.46	
FIXED COST PER ACRE				119.4551	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER ACRE				\$ 267.73	
				267.7264	
8. NET RETURNS:					
NET RETURNS PER ACRE				\$ -267.73	
				-267.7264	

1980 default data

FLOOD IRRIGATED USING DISTRICT WATER AT \$12.00/ACRE FOOT
100 ACRE STAND 44 LBS. ACTUAL PHOSPHATE APPLIED

ALKALINE SOILS REQUIRE TREATMENT WITH SULFUR OR GYPSUM TO IMPROVE WATER PENETRATION
UPDATED 05/10/80

IDENTIFICATION NUMBER 2 9100000 410 1
 ESTABLISHMENT COSTS FOR ALFALFA HAY
 WESTSIDE FRESNO COUNTY
 REAL ESTATE TAXES CHARGED TO PRODUCTION

HARVEST MONTH 11 BUDGET RECORD NUMBER 81
 BY BOB SHEESLEY, FARM ADVISOR

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															
SINGLE-SUPR PHOS	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.40	0.00	0.00	23.40	
FERTILIZER APP	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.75	0.00	0.00	2.75	
HERBICIDE	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	0.00	0.00	12.00	
HERBICIDE APP	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	3.00	
ALFALFA HAY SEED	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	50.00	
CUSTOM AIR SEED	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	2.50	
IRRIG DIST WATER	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	0.00	0.00	12.00	
MACHINE LABOR COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.85	3.14	0.94	0.00	12.93	
INTEREST ON OPER. CAP.	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.73	0.00	0.00	1.29	
TRACTOR COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.10	4.23	1.28	0.00	18.61	
EQUIPMENT COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.05	1.19	0.35	0.00	4.59	
IRRIGATION COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.70	
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	4.50	
TOTAL EXPENSES	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.55	67.65	55.07	0.00	148.27	

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	1.61	0.57	0.17	0.00	2.35
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	0.00	0.00	12.00

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	
TRACTOR 90 HP	4	90.0	27600.	7.	1800.	2.56	2.79	0.00	5.35	7.81	1.17	6.39	15.37	1.883
CRAWLER 120 HP	11	120.0	85200.	10.	1600.	0.95	1.23	0.00	2.18	1.64	0.25	1.35	3.24	0.254
CHISEL	43	14.0	5040.	7.	385.	0.32	0.27	0.00	0.59	0.00	0.01	0.63	0.64	0.231
DISC OFFSET	59	12.0	4800.	8.	325.	0.74	0.66	0.00	1.40	0.00	0.03	1.45	1.48	0.521
SPIKE HARROW	72	28.0	4030.	6.	485.	0.14	0.11	0.00	0.25	0.00	0.01	0.34	0.35	0.142
SPRINGTOOTH	77	28.0	5400.	8.	340.	0.19	0.17	0.00	0.36	0.00	0.01	0.40	0.41	0.123
4 WH PLANE 16X90	86	16.0	23400.	5.	500.	2.30	1.58	0.00	3.88	0.00	0.02	1.24	1.26	0.364
ROTARY CHOPPER	126	9.0	2880.	6.	480.	0.16	0.12	0.00	0.29	0.00	0.00	0.14	0.14	0.229
SURFACE IRR SYS*	128	2.0	45780.	10.	5000.	3.87	4.98	0.00	8.85	0.00	0.01	0.69	0.70	6.000
BORDER DISC TNDM	-136	12.0	1530.	8.	325.	0.15	0.13	0.00	0.29	0.00	0.01	0.30	0.30	0.333

MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE 2057. 11.39 12.03 0.00 23.43 9.45 1.52 12.93 23.90

TOTAL INVESTMENT 205660.

FLOOD IRRIGATED USING DISTRICT WATER AT \$12.00/ACRE FOOT
 100 ACRE STAND 44 LBS. ACTUAL PHOSPHATE APPLIED
 ALKALINE SOILS REQUIRE TREATMENT WITH SULFUR OR GYPSUM TO IMPROVE WATER PENETRATION
 UPDATED 05/10/80

ESTABLISHMENT COSTS FOR ALFALFA HAY
WESTSIDE FRESNO COUNTY
REAL ESTATE TAXES CHARGED TO PRODUCTION

BY BOB SHEESLEY, FARM ADVISOR

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
ROTARY CHOPPER	4, 126	SEPT	1.00	0.277	0.229	2.20	1.00
DISC OFFSET	4, 59	SEPT	2.00	0.630	0.521	6.16	3.03
CHISEL	11, 43	SEPT	1.00	0.280	0.231	3.88	2.77
4 WH PLANE 16X90	4, 86	SEPT	1.00	0.220	0.182	2.26	2.51
BORDER DISC TNDM	4, 136	SEPT	1.00	0.202	0.167	1.65	0.66
4 WH PLANE 16X90	4, 86	OCT	1.00	0.220	0.182	2.26	2.51
BORDER DISC TNDM	4, 136	OCT	1.00	0.202	0.167	1.65	0.66
SPRINGTOOTH	4, 77	OCT	1.00	0.149	0.123	1.51	0.74
SPIKE HARROW	4, 72	NOV	1.00	0.122	0.142	1.63	0.62
TOTALS				2.351	1.943	23.20	14.57

FLOOD IRRIGATED USING DISTRICT WATER AT \$12.00/ACRE FOOT
100 ACRE STAND
44 LBS. ACTUAL PHOSPHATE APPLIED
ALKALINE SOILS REQUIRE TREATMENT WITH SULFUR OR GYPSUM TO IMPROVE WATER PENETRATION
UPDATED 05/10/80

BUDGET IDENTIFICATION NUMBER--- 2 9100000 410 1
ANNUAL CAPITAL MONTH 11 BUDGET RECORD NUMBER 81

FUEL USE SUMMARY FOR BUDGET NUMBER 2 9100000 410 1

ESTABLISHMENT COSTS FOR ALFALFA HAY
WESTSIDE FRESNO COUNTY
REAL ESTATE TAXES CHARGED TO PRODUCTION
BY BOB SHEESLEY, FARM ADVISOR

FUEL USED IN GALLONS PER HOUR

TRACTOR 90 HP 4.320
CRAWLER 120 HP 6.720

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
ROTARY CHOPPER	1.089	TRACTOR 90 HP
DISC OFFSET	1.238	TRACTOR 90 HP
CHISEL	1.708	CRAWLER 120 HP
4 WH PLANE 16X90	0.864	TRACTOR 90 HP
BORDER DISC TNDM	0.792	TRACTOR 90 HP
SPRINGTOOTH	0.583	TRACTOR 90 HP
SPIKE HARROW	0.675	TRACTOR 90 HP

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
ROTARY CHOPPER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.089	0.000	0.000	0.000	1.089	3
DISC OFFSET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.475	0.000	0.000	0.000	2.475	3
CHISEL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.708	0.000	0.000	0.000	1.708	3
4 WH PLANE 16X90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.864	0.864	0.000	0.000	1.729	3
BORDER DISC TNDM	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.792	0.792	0.000	0.000	1.584	3
SPRINGTOOTH	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.583	0.000	0.000	0.583	3
SPIKE HARROW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.675	0.000	0.675	3
TOTALS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.929	2.240	0.675	0.000	9.843	

GALLONS FUEL BY TYPE
0.00 GAS
0.00 LP
9.84 DIESEL

UC Cooperative Extension

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

BUDGET IDENTIFICATION NUMBER 2 9100000 410 1
 HARVEST OR SALE MONTH 11

BUDGET RECORD NUMBER 81

ESTABLISHMENT COSTS FOR ALFALFA HAY
 WESTSIDE FRESNO COUNTY
 REAL ESTATE TAXES CHARGED TO PRODUCTION

BY BOB SHEESLEY, FARM ADVISOR

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
	NUMBER OF UNITS																	
OPERATING INPUTS	RATE/UNIT												PRICE	SHARE	UNIT	ITEM	TYPE	HARV
													RENT	CODE	CODE	CODE	CODE	CODE
6 SINGLE-SUPR PHOS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00500	0.00	0.00	0.00	0.047	0.000	12.	219.	3.	0.
7 FERTILIZER 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	2.750	0.000	34.	356.	3.	0.
8 HERBICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	12.000	0.000	34.	250.	3.	0.
9 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	3.000	0.000	34.	358.	3.	0.
10 ALFALFA HAY SEED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	2.500	0.000	12.	109.	3.	0.
11 CUSTOM AIR SEED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	2.500	0.000	7.	371.	3.	0.
13 IRRIG DIST WATER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	0.00	0.00	1.000	0.000	11.	323.	3.	0.
MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												# CREW	POWER	MACH	TYPE	HARV	
													LABOR	UNIT	CODE		CODE	
26 ROTORY CHOPPER	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.	126.	4.	0.
27 DISC OFFSET	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	4.	59.	4.	0.
28 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	11.	43.	4.	0.
29 4 WH PLANE 16X90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.000	0.000	4.	86.	4.	0.
30 BORDER DISC TNDM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.000	0.000	4.	136.	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.	77.	4.	0.
32 SPIKE HARRAW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.000	0.000	4.	72.	4.	0.
41 ACIN IRRIG WATER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.	128.	0.
50 NO. TIMES IRRIG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.	128.	0.

EQUIPMENT REQUIREMENTS

NUMBER PROPOR XXX EQUIP TYPE XXXX
 UNITS OF COST CODE

LAND REQUIREMENTS

CHARGE NUMBER VALUE OR TAXES PERENNIAL CROPS
 METHOD OF ACRES COST/ACRE PER ACRE YRS LIFE COST/ACRE
 1. 100.00 900.00 0.00 0.0 0.00

FLOOD IRRIGATED USING DISTRICT ALKALINE SOILS REQUIRE TREATMENT WITH MACHINERY COMPLEMENT 4
 WATER AT \$12.00/ACRE FOOT SULFUR OR GYPSUM TO IMPROVE WATER PENETRATION EQUIPMENT COMPLEMENT 1
 100 ACRE STAND 44 LBS. ACTUAL PHOSPHATE APPLIED UPDATED 05/10/80

NO NAME CHANGES HAVE BEEN STORED WITH THIS BUDGET

PARAMETER CHGS--> 8. RW CL VALUE RW CL VALUE RW CL VALUE RW CL VALUE RW CL VALUE
 1980 default data 0.000000 10. 5.500000 12. 4.500000 17. 0.000000

TITLE: ALFALFA HAY PRODUCTION 1980
WESTSIDE FRESNO COUNTY
MATURE STAND 3 YEAR STAND LIFE

BY BOB SHEESLEY, FARM ADVISOR

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
ALFALFA HAY	TON	110.000	3.500	935.00	
TOTAL RECEIPTS:				\$ 935.00	
2. VARIABLE COSTS:					
PREHARVEST:					
SINGLE-SUPR PHOS	LBS.	0.047	500.000	23.40	
FERTILIZER APP	ACRE	2.750	1.000	2.75	
HERBICIDE	APLC	12.000	1.000	12.00	
HERBICIDE APP	APLC	3.000	1.000	3.00	
INSECTICIDE	APLC	5.000	2.000	10.00	
CUSTOM AIR PEST	APLC	3.000	2.000	6.00	
IRRIG DIST WATER	ACIN	1.000	53.950	53.95	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			2.21	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			0.22	
IRRIGATION (SYSTEM MAINT.)	ACIN	0.059	53.950	3.16	
MACHINERY LABOR	HOUR	5.500	0.298	1.64	
IRRIGATION LABOR	HOUR	4.500	8.000	36.00	
INTEREST ON OPERATING CAP.	DOL.	0.140	66.794	9.13	
TOTAL PREHARVEST COSTS:				\$ 163.46	
PREHARVEST COST PER TON				\$ 19.2308	
HARVEST:					
CUSTOM SWATHING	TON	4.500	8.500	38.25	
CUSTOM BALE	TON	9.000	8.500	76.50	
CUST STACKING	TON	2.500	8.500	21.25	
INTEREST ON OPERATING CAP.	DOL.	0.140	47.333	6.63	
TOTAL HARVEST COSTS:				\$ 142.63	
HARVEST COST PER TON				\$ 16.7796	
TOTAL VARIABLE COSTS:				\$ 306.09	
VARIABLE COST PER TON				\$ 36.0105	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER TON				\$ 628.91	
				\$ 73.9895	
4. CASH OVERHEAD:					
REAL PROPERTY TAXES:					11.00
TOTAL CASH OVERHEAD:				\$ 11.00	
OVERHEAD COST PER TON				1.2941	