

TITLE:

ALFALFA SEED ESTABLISHMENT COSTS  
WESTSIDE FRESNO COUNTY 1980

BY BOB SHEESLEY, FARM ADVISOR

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
<b>1. GROSS RECEIPTS FROM PRODUCTION:</b>					
TOTAL RECEIPTS:				\$ 0.00	
<b>2. VARIABLE COSTS:</b>					
<b>PREHARVEST:</b>					
CRTFD ALF SEED	LBS.	2.500	0.750	1.88	
IRRIG DIST WATER	ACIN	1.000	4.000	4.00	
WEEDING	ACRE	15.000	1.000	15.00	
HERBICIDE	ACRE	13.250	1.000	13.25	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			45.51	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			11.30	
IRRIGATION (SYSTEM MAINT.)	ACIN	0.059	4.000	0.23	
MACHINERY LABOR	HOUR	5.500	4.357	23.97	
IRRIGATION LABOR	HOUR	4.500	2.000	9.00	
INTEREST ON OPERATING CAP.	DOL.	0.140	17.123	2.32	
TOTAL PREHARVEST COSTS:				\$ 126.46	
PREHARVEST COST PER ACRE				\$ 126.4558	
<b>HARVEST:</b>					
TOTAL HARVEST COSTS:				\$ 0.00	
HARVEST COST PER ACRE				\$ 0.0000	
TOTAL VARIABLE COSTS:				\$ 126.46	
VARIABLE COST PER ACRE				\$ 126.4558	
<b>3. INCOME ABOVE VARIABLE COSTS:</b>					
INCOME PER ACRE				\$ -126.46	
<b>4. CASH OVERHEAD:</b>					
TOTAL CASH OVERHEAD:				\$ 0.00	
OVERHEAD COST PER ACRE				0.0000	
<b>5. INCOME ABOVE ALL CASH COSTS:</b>					
INCOME PER ACRE				\$ -126.46	
<b>6. OWNERSHIP COSTS:</b>					
<b>DEPRECIATION:</b>					
MACHINERY & EQUIPMENT	ACRE			17.03	
IRRIGATION SYSTEM	ACRE			1.29	
TOTAL DEPRECIATION:				\$ 18.32	
<b>CAPITAL &amp; INTEREST:</b>					
MACHINERY&EQUIPMENT		0.140	141.652	19.83	
IRRIGATION SYSTEM		0.140	11.892	1.66	
LAND		0.107	900.000	96.03	
TOTAL INTEREST CHARGE:				\$ 117.53	
TOTAL FIXED COSTS:				\$ 135.85	
FIXED COST PER ACRE				135.8479	
<b>7. TOTAL OF ABOVE COSTS:</b>					
TOTAL COST PER ACRE				\$ 262.30	
<b>8. NET RETURNS:</b>					
NET RETURNS PER ACRE				\$ -262.30	

FURROW IRRIGATION USING DISTRICT WATER AT \$12.00/ACRE FOOT  
100 ACRE CROP  
TAXES DEFERRED TO PRODUCTION

UPDATED 05/10/80

BUDGET IDENTIFICATION NUMBER 210100000 460 1  
DATE PRINTED: 05/10/80

BUDGET RECORD NUMBER 82  
HARVEST MONTH: 11

1980 default data

ALFALFA SEED ESTABLISHMENT COSTS  
WESTSIDE FRESNO COUNTY 1980

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															
CRIFD ALF SEED	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.00	1.88	
IRRIG DIST WATER	\$/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	4.00	
WEEDING	\$/AC	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	
HERBICIDE	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.25	0.00	13.25	
MACHINE LABOR COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.32	2.64	0.00	23.97	
INTEREST ON OPER. CAP.	\$/AC	0.00	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.00	0.00	2.32	
TRACTOR COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.95	3.56	0.00	45.51	
EQUIPMENT COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.21	4.09	0.00	11.30	
IRRIGATION COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.23	
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	0.00	9.00	
TOTAL EXPENSES	\$/AC	0.00	16.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.25	38.66	0.00	126.46	

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	3.88	0.48	0.00	4.36
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	2.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	4.00

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.	1.48	1.61	0.00	3.08	4.50	0.68	3.68	8.86	1.085
CRAWLER 120 HP	11	120.0	85200.	10.	1600.	10.79	13.89	0.00	24.68	13.55	2.78	15.31	38.65	2.876
CULTIPACKER	48	12.0	2280.	14.	180.	0.11	0.13	0.00	0.24	0.00	0.00	0.16	0.17	0.133
DISC OFFSET	59	12.0	4800.	8.	325.	1.12	0.99	0.00	2.11	0.00	0.04	2.18	2.23	0.781
LISTER 6 ROW	82	15.0	2400.	6.	485.	0.10	0.08	0.00	0.18	0.00	0.00	0.25	0.25	0.173
4 WH PLANE 16X90	86	16.0	23400.	5.	500.	1.15	0.79	0.00	1.94	0.00	0.01	0.62	0.63	0.182
FLOAT	89	20.0	2160.	6.	485.	0.05	0.04	0.00	0.09	0.00	0.00	0.06	0.06	0.102
RIPPER 2 SHANK	90	3.0	3500.	10.	575.	0.92	0.92	0.00	1.84	0.00	0.08	3.79	3.86	1.833
PLANT-INC 6ROW	112	15.0	10380.	11.	240.	1.32	1.39	0.00	2.71	0.00	0.08	4.01	4.09	0.397
FURROW IRIG SYS*	132	2.0	45900.	10.	5000.	1.29	1.66	0.00	2.96	0.00	0.00	0.23	0.23	2.000
MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE			2076.			18.32	21.50	0.00	39.82	23.05	3.68	30.30	57.04	
TOTAL INVESTMENT			207620.											

FURROW IRRIGATION USING DISTRICT WATER AT \$12.00/ACRE FOOT  
100 ACRE CROP  
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UPDATED 05/10/80

ALFALFA SEED ESTABLISHMENT COSTS  
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OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
RIPPER 2 SHANK	11, 90	OCT	1.00	2.218	1.833	29.56	19.14
DISC OFFSET	11, 59	OCT	3.00	0.945	0.781	13.18	9.48
4 WH PLANE 16X90	4, 86	OCT	1.00	0.220	0.182	2.26	2.51
FLOAT	4, 89	OCT	1.00	0.123	0.102	0.98	0.41
LISTER 6 ROW	4, 82	OCT	1.00	0.209	0.173	1.81	0.72
CULTIPACKER	4, 48	OCT	1.00	0.161	0.133	1.36	0.65
PLANT-INC 6ROW	4, 112	NOV	1.00	0.480	0.392	2.66	3.25
<b>TOTALS</b>				<b>4.357</b>	<b>3.601</b>	<b>56.81</b>	<b>36.86</b>

FURROW IRRIGATION USING DISTRICT WATER AT \$12.00/ACRE FOOT  
100 ACRE CROP  
TAXES DEFERRED TO PRODUCTION

UPDATED 05/10/80

BUDGET IDENTIFICATION NUMBER--- 2101000000 460 1  
ANNUAL CAPITAL MONTH 11 BUDGET RECORD NUMBER 82

FUEL USE SUMMARY FOR BUDGET NUMBER 2101000000 460 1

ALFALFA SEED ESTABLISHMENT COSTS  
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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
RIPPER 2 SHANK	13.552	CRAWLER 120 HP
DISC OFFSET	1.925	CRAWLER 120 HP
4 WH PLANE 16X90	0.864	TRACTOR 90 HP
FLOAT	0.484	TRACTOR 90 HP
LISTER 6 ROW	0.821	TRACTOR 90 HP
CULTIPACKER	0.633	TRACTOR 90 HP
PLANT-INC 6ROW	1.886	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
RIPPER 2 SHANK	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.552	0.000	0.000	13.552	3
DISC OFFSET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.775	0.000	0.000	5.775	3
4 WH PLANE 16X90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.864	0.000	0.000	0.864	3
FLOAT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.484	0.000	0.000	0.484	3
LISTER 6 ROW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.821	0.000	0.000	0.821	3
CULTIPACKER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.633	0.000	0.000	0.633	3
PLANT-INC 6ROW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.886	0.000	1.886	3
<b>TOTALS</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>22.129</b>	<b>1.886</b>	<b>0.000</b>	<b>24.015</b>	

GALLONS FUEL BY TYPE  
0.00 GAS  
0.00 LP  
24.01 DIESEL

UC Cooperative Extension

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

BUDGET IDENTIFICATION NUMBER 2101000000 460 1  
 HARVEST OR SALE MONTH 11

BUDGET RECORD NUMBER 82

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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
NUMBER OF UNITS																		
OPERATING INPUTS																		
	RATE/UNIT												PRICE	SHARE RENT	UNIT CODE	ITEM CODE	TYPE	HARV CODE
6 CRTFD ALF SEED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	2.500	0.000	12.110	3.	0.	
7 IRRIG DIST WATER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	1.000	0.000	11.323	3.	0.	
8 WEEDING	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.000	0.000	7.399	3.	0.	
9 HERBICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	13.250	0.000	7.250	3.	0.	
MACHINERY REQUIREMENTS																		
	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												# CREW LABOR	POWER UNIT	MACH CODE	TYPE	HARV CODE	
26 RIPPER 2 SHANK	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	11.90.	4.	0.	
27 DISC OFFSET	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.000	0.000	11.59.	4.	0.	
28 4 WH PLANE 16X90	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	4.86.	4.	0.	
29 FLOAT	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	4.89.	4.	0.	
30 LISTER 6 ROW	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	4.82.	4.	0.	
31 MULTIPACKER	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.	
32 PLANT-INC 6ROW	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	4.112.	4.	0.	
													SHARE FIXED %	SHARE VAR %	POWER UNIT	SYSA CODE	LIFT	
49 ACIN IRRIG WATER	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	0.00	0.132.	0.		
50 NO. TIMES IRRIG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00						

EQUIPMENT REQUIREMENTS

NUMBER UNITS PROPOR OF COST XXX EQUIP TYPE XXXX CODE

LAND REQUIREMENTS

CHARGE METHOD NUMBER OF ACRES VALUE OR COST/ACRE TAXES PER ACRE PERENIAL CROPS YRS LIFE COST/ACRE

71

1.

100.00

900.00

0.00

0.0

0.00

FURROW IRRIGATION USING DISTRICT WATER AT \$12.00/ACRE FOOT  
 100 ACRE CROP  
 TAXES DEFERRED TO PRODUCTION

MACHINERY COMPLEMENT 4  
 EQUIPMENT COMPLEMENT 1

UPDATED 05/10/80

GENERAL NAME CHANGE-->	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE
WEEDING					
PARAMETER CHGS-->	RW CL VALUE RW CL VALUE RW CL VALUE RW CL VALUE RW CL VALUE				
8.	0.000000 10.	5.500000 12.	4.500000 17.	0.000000 18.	2.000000

1980 default data