

TITLE: APPLE PRODUCTION COSTS & RETURNS
KERN COUNTY - 1977

apples # 339

(H)

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST

1. GROSS RECEIPTS FROM PRODUCTION:				\$	
APPLES	TON	125.000	15,000	1875.00	
TOTAL RECEIPTS:				\$	1875.00

2. VARIABLE COSTS:				\$	
PREHARVEST:				\$	
PRUNING	TREE	0.600	200,000	120.00	
BRUSH REMOVAL	ACRE	10.000	1,000	10.00	
N-P-K	ACRE	43.000	1,000	43.00	
INSECTICIDE	ACRE	114.000	1,000	114.00	
THINNING	TREE	0.500	200,000	100.00	
HERBICIDE	ACRE	20.000	1,000	20.00	
TYE OR PROP	ACRE	10.000	1,000	10.00	
MISCL SUPPLIES	ACRE	18.000	1,000	18.00	
TRACTOR (FUEL=LUBE=REPAIRS)	ACRE			4.52	
EQUIPMENT (FUEL=LUBE=REPAIRS)	ACRE			46.69	
BUILDINGS (FUEL=LUBE=REPAIRS)	ACRE			4.99	
IRRIGATION POWER COST	ACRE			38.51	
IRRIGATION (LUBE=REPAIRS)	ACRE			94.17	
IRRIGATION WATER APPLIED	ACIN	4.423	30,000		
MACHINERY LABOR	HOOR	4.000	20,269	81.08	
IRRIGATION LABOR	HOOR	3.300	4,900	16.17	
INTEREST ON OPERATING CAP.	DOL.	0.100	329,100	32.91	
TOTAL PREHARVEST COSTS:				\$	754.04
PREHARVEST COST PER TON				\$	50.27

HARVEST:				\$	
HARVEST & HAUL	TON	105.000	15,000	1575.00	
INTEREST ON OPERATING CAP.	DOL.	0.100	984,375	98.44	
TOTAL HARVEST COSTS:				\$	1673.44
HARVEST COST PER TON				\$	111.56

TOTAL VARIABLE COSTS:				\$	2427.48
VARIABLE COST PER TON				\$	161.83

3. INCOME ABOVE VARIABLE COSTS:				\$	-552.48
INCOME PER TON				\$	-36.83

4. CASH OVERHEAD: (PROPERTY TAX & INSURANCE				\$	
+ 5.0% OF TOTAL VARIABLE COSTS)					139.61
LAND TAXES:					56.00
BUILDINGS:					21.32
TOTAL CASH OVERHEAD:				\$	216.94

5. OWNERSHIP COSTS:				\$	
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			41.26	
IRRIGATION SYSTEM	ACRE			18.40	
BUILDINGS:	ACRE			29.34	
TOTAL DEPRECIATION:				\$	89.00
CAPITAL & INTEREST:				\$	
MACHINERY & EQUIPMENT	0.100	251,441		25.14	
IRRIGATION SYSTEM	0.100	241,776		24.18	
BUILDINGS:	0.100	555,287		55.53	
TOTAL INTEREST CHARGE:				\$	104.85
PRORATED ESTABLISHMENT COST:				\$	133.33
TOTAL FIXED COSTS:				\$	488.59
FIXED COST PER TON					32.57

NET INCOME ABOVE FIXED & VARIABLE COSTS:				\$	-1041.07
NET INCOME PER TON					-69.40

6. MANAGEMENT CHARGE (5.0% OF GROSS RECEIPTS)				\$	93.75

7. LAND CHARGE (\$ 1200.00 @ 9.0%):				\$	108.00

8. TOTAL OF ABOVE COSTS :				\$	3117.82
TOTAL COST PER TON					207.85

9. NET RETURNS:				\$	-1242.82
NET RETURNS PER TON					-82.85

FOOTNOTE: 80 ACRE ORCHARD
OVERHEAD SPRINKLERS = 200 TREES/AC.
FROST PROTECTION
AUTHOR: COOP EXT
DATE: 02/18/78
BUDGET IDENTIFICATION: ENTERPRISE 236 COUNTY 15 MISCL 00 IRRIGATION LEVEL 7 LAND CLASS 2
INDIV. # 0 MACH. COMP. 7 IRIG. SYSTEM 3 PRICE VECTOR 2 EQUIP COMP 1
DATE PRINTED: 04/05/78
ANNUAL CAPITAL MONTH: 6

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	937.50	937.50	0.00	1875.00
OPERATING EXPENSES														
PRUNING	\$/AC	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00
BRUSH REMOVAL	\$/AC	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00
N*P*K	\$/AC	0.00	0.00	0.00	43.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.00
INSECTICIDE	\$/AC	0.00	0.00	22.80	0.00	22.80	22.80	0.00	0.00	22.80	22.80	0.00	0.00	114.00
THINNING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00
HERBICIDE	\$/AC	0.00	0.00	0.00	10.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00
TYE OR PROP	\$/AC	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00
MISCL SUPPLIES	\$/AC	0.00	0.00	0.00	3.60	3.60	3.60	0.00	0.00	3.60	3.60	0.00	0.00	18.00
HARVEST & HAUL	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	787.50	787.50	0.00	1575.00
MACHINE LABOR COST	\$/AC	5.76	6.71	7.26	5.76	8.61	12.42	5.76	5.76	5.76	5.76	5.76	5.76	81.08
INTEREST ON OPER. CAP.	\$/AC	0.42	4.71	0.88	1.44	0.67	0.62	13.75	4.17	2.73	54.93	46.52	0.50	131.35
TRACTOR COST	\$/AC	0.00	0.38	0.61	0.00	1.06	2.47	0.00	0.00	0.00	0.00	0.00	0.00	4.52
EQUIPMENT COST	\$/AC	3.85	3.91	3.96	3.85	4.01	4.04	3.85	3.85	3.85	3.85	3.85	3.85	46.69
BLDG OPER. COST	\$/AC	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	4.99
IRRIGATION COST	\$/AC	0.00	0.00	0.00	17.69	17.69	26.54	35.38	35.38	0.00	0.00	0.00	0.00	132.68
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	2.31	2.31	2.31	4.62	4.62	0.00	0.00	0.00	0.00	16.17
TOTAL EXPENSES	\$/AC	10.44	146.13	35.92	88.07	81.17	75.21	163.77	54.19	39.15	878.85	844.04	10.52	2427.48

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
MACHINE LABOR	HR/AC	1.44	1.68	1.82	1.44	2.15	3.10	1.44	1.44	1.44	1.44	1.44	1.44	20.27
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	0.70	0.70	0.70	1.40	1.40	0.00	0.00	0.00	0.00	4.90
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	4.00	4.00	6.00	8.00	8.00	0.00	0.00	0.00	0.00	30.00

MACHINERY FIXED AND VARIABLE COSTS PER ACRE														
MACHINE	CODE	SIZE	PURCHASE PRICE	YEARS OWNED	ANNUAL FIXED COST PER ACRE			VARIABLE COST PER ACRE					HRS PER ACRE	
					HOURS USED	DEPR.	INTER.	TAX & INS	TOTAL	FUEL	LUBE	REPAIRS		TOTAL
TRACTOR 35 HP	3	35.0	7000.	10.	300.	3.553	3.266	1.133	7.952	2.496	0.374	0.659	3.529	2.161
TRACTOR 50 HP	4	50.0	9410.	10.	300.	1.229	1.130	0.392	2.750	0.667	0.100	0.228	0.995	0.556
TRUCK 1 1/2 TON	12	1.5	8050.	8.	360.	10.727	6.443	2.362	19.531	14.256	2.138	2.698	19.092	4.800
PICKUP 1/2 TON	14	0.5	6175.	5.	435.	18.377	9.033	3.084	30.494	21.120	3.168	2.775	27.063	9.600
IRR PUMP 75 HP*	23	2.0	11388.	25.	3200.	1.955	2.895	1.144	5.993	38.510	0.578	1.243	40.331	15.000
WELL+PERM SET*	57	2.0	125750.	20.	5000.	16.442	21.283	8.164	45.889	0.000	1.811	90.535	92.346	15.000
DISC-OFFSET	77	8.0	2013.	10.	68.	0.476	0.340	0.127	0.943	0.000	0.001	0.067	0.068	0.195
ROTO-TILLER	84	7.0	3450.	10.	28.	3.146	2.249	0.836	6.231	0.000	0.002	0.111	0.113	0.310
WD SPRYR 500 GAL	89	35.0	4600.	10.	24.	2.523	1.804	0.671	4.997	0.000	0.001	0.045	0.046	0.160
SPRINGTOOTH	98	8.0	1265.	10.	77.	0.581	0.415	0.154	1.151	0.000	0.002	0.116	0.119	0.430
BUCK, RAKE(BRUSH)	128	6.0	862.	10.	150.	0.650	0.465	0.173	1.288	0.000	0.004	0.188	0.192	1.375
TOTAL			179963.			59.66	47.32	18.24	127.22	77.05	8.18	98.66	183.89	

BUDGET IDENTIFICATION NUMBER 2361500720 7 3 2 1
 MONTHS OPERATING CAPITAL REQUIRED 6

BUDGET RECORD NUMBER 339

APPLE PRODUCTION COSTS & RETURNS
 KERN COUNTY - 1977

COSTS AND RETURNS WILL BE
 DIVIDED BY 15.0 TON
 TO OBTAIN PER TON COSTS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	SHARE	UNIT	ITEM	TYPE	XXXX				
PRODUCTION																						
	NUMBER OF UNITS																					
1 APPLES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.50	7.50	0.00	125.000	0.000	3.	36.	2.	0.				
OPERATING INPUTS																						
	RATE/UNIT																					
														PRICE	SHARE	UNIT	ITEM	TYPE	HARV			
															RENT	CODE	CODE		CODE			
6 PRUNING	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.600	0.000	24.	340.	3.	0.				
7 BRUSH REMOVAL	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.000	0.000	7.	313.	3.	0.				
8 N-P-K	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.000	0.000	7.	213.	3.	0.				
9 INSECTICIDE	0.00	0.00	0.20	0.00	0.20	0.20	0.00	0.00	0.20	0.20	0.00	0.00	114.000	0.000	7.	240.	3.	0.				
10 THINNING	0.00	0.00	0.00	0.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.500	0.000	24.	339.	3.	0.				
11 HERBICIDE	0.00	0.00	0.00	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.000	0.000	7.	250.	3.	0.				
12 TYE OR PROP	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.000	0.000	7.	342.	3.	0.				
13 MISCL SUPPLIES	0.00	0.00	0.00	0.20	0.20	0.20	0.00	0.00	0.20	0.20	0.00	0.00	18.000	0.000	7.	423.	3.	0.				
14 HARVEST & HAUL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.50	7.50	0.00	105.000	0.000	3.	318.	3.	9.				
MACHINERY REQUIREMENTS																						
															IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE				M CREW POWER MACH TYPE HARV			
															LABOR				UNIT CODE			
26 DISC-OFFSET	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	77.	4.	0.				
27 ROTO-TYLLER	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	84.	4.	0.				
28 SPRINGTOOTH	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	98.	4.	0.				
29 WD SPRYR 500 GAL	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	89.	4.	0.				
30 BUCK RAKE(BRUSH)	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	128.	4.	0.				
31 FORKLIFT*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.000	0.000	4.	20.	4.	0.				
32 PICKUP 1/2 TON	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	0.000	0.000	0.	14.	4.	0.				
33 TRUCK 1 1/2 TON	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	0.000	0.000	0.	12.	4.	0.				
															SHARE				POWER SYM			
															FIXED %				VAR % UNIT CODE LIFT			
49 ACIN IRRIG WATER	0.00	0.00	0.00	4.00	4.00	6.00	8.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	23.	57.	200.					
50 NO. TIMES IRRIG	0.00	0.00	0.00	1.00	1.00	1.00	2.00	2.00	0.00	0.00	0.00	0.00										

EQUIPMENT REQUIREMENTS															NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX
															UNITS	OF COST		CODE		
51 FARM SHOP															1.000	1.000	0.	2.	5.	0.
52 SHOP TOOLS&EQUIP															1.000	1.000	0.	4.	5.	0.
53 STORAGE SHED															1.000	1.000	0.	8.	5.	0.
54 FUELTANK 550 GAL															1.000	1.000	0.	18.	5.	0.
55 FRUIT LADDER 15'															20.000	1.000	0.	59.	5.	0.
56 ORCH HEATR EQUIP															1.000	1.000	0.	70.	5.	0.

LAND REQUIREMENTS															CHARGE	NUMBER	VALUE OR	TAXES	PERFENNIAL CROPS	
															METHOD	OF ACRES	COST/ACRE	PER ACRE	YRS LIFE	COST/ACRE
71															1.	80.00	1200.00	56.00	30.0	4000.00

80 ACRE ORCHARD
OVERHEAD SPRINKLERS - 200 TREES/AC.
FROST PROTECTION.

AUTHOR:COOP EXT
DATE: 02/18/78

MACHINERY COMPLEMENT 7
EQUIPMENT COMPLEMENT 1

NO NAME CHANGES HAVE BEEN STORED WITH THIS BUDGET

NO COMPLEMENT CHANGES HAVE BEEN STORED WITH THIS BUDGET