

TITLE: GRAPE-FRUIT PRODUCTION COSTS & RETURNS  
 TULARE COUNTY - 1977  
 ORANGE COVE AREA

Grapefruit #347

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
<b>1. GROSS RECEIPTS FROM PRODUCTION:</b>					
GRAPEFRUIT	TON	180.000	10.000	1800.00	
TOTAL RECEIPTS:				\$ 1800.00	
<b>2. VARIABLE COSTS:</b>					
<b>PREHARVEST:</b>					
PRUNING	TREE	0.170	90.000	15.30	
CALCIUM-NITRATE	LBS.	0.060	500.000	30.00	
HERBICIDE	ACRE	22.000	1.000	22.00	
INSECTICIDE	ACRE	25.000	1.000	25.00	
FUNGICIDE	ACRE	25.000	1.000	25.00	
MISCL EXPENSE	ACRE	20.000	1.000	20.00	
HEDGE & SHRED	TREE	0.500	18.000	9.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			3.85	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			3.89	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			4.89	
IRRIGATION POWER COST	ACRE			87.46	
IRRIGATION (LUBE-REPAIRS)	ACRE			51.27	
IRRIGATION WATER APPLIED	ACIN	3.964	35.000		
MACHINERY LABOR	HOUR	5.100	4.717	24.06	
MACHINE CREW LABOR	HOUR	3.500	0.580	2.03	
IRRIGATION LABOR	HOUR	4.250	11.900	50.58	
INTEREST ON OPERATING CAP.	DOL.	0.086	168.775	14.37	
TOTAL PREHARVEST COSTS:				\$ 388.69	
PREHARVEST COST PER TON				\$ 38.87	
<b>HARVEST:</b>					
CUSTOM HARVEST	TON	11.400	10.000	114.00	
CUSTOM HAULING	TON	3.000	10.000	30.00	
INTEREST ON OPERATING CAP.	DOL.	0.086	60.000	5.18	
TOTAL HARVEST COSTS:				\$ 149.18	
HARVEST COST PER TON				\$ 14.92	
TOTAL VARIABLE COSTS:				\$ 537.97	
VARIABLE COST PER TON				\$ 53.79	
<b>3. INCOME ABOVE VARIABLE COSTS:</b>					
INCOME PER TON				\$ 1262.13	
<b>4. CASH OVERHEAD:</b>					
REAL PROPERTY TAXES:				\$ 65.00	
MISC. OFFICE & BOOKKEEPING ( 2.50% OF TOTAL VARIABLE COSTS)				13.45	
TOTAL CASH OVERHEAD:				\$ 78.45	
<b>5. INCOME ABOVE ALL CASH COSTS:</b>					
INCOME PER TON				\$ 1183.68	
<b>6. OWNERSHIP COSTS:</b>					
<b>DEPRECIATION:</b>					
MACHINERY & EQUIPMENT	ACRE			13.08	
IRRIGATION SYSTEM	ACRE			36.99	
BUILDINGS	ACRE			19.81	
TREES, VINES OR STAND	ACRE			27.50	
TOTAL DEPRECIATION:				\$ 97.37	
<b>CAPITAL &amp; INTEREST:</b>					
MACHINERY&EQUIPMENT		0.086	122.660	10.59	
IRRIGATION SYSTEM		0.086	365.645	31.56	
BUILDINGS		0.086	343.125	29.61	
TREES, VINES OR STAND		0.086	1100.000	94.93	
LAND		0.083	1200.000	99.00	
TOTAL INTEREST CHARGE:				\$ 265.68	
TOTAL FIXED COSTS:				\$ 363.05	
FIXED COST PER TON				36.31	
<b>7. TOTAL OF ABOVE COSTS:</b>					
TOTAL COST PER TON				\$ 979.37	
<b>8. NET RETURNS:</b>					
NET RETURNS PER TON				\$ 820.63	

80 ACRE ORCHARD WITH 90 TREES/AC  
 DRIP IRRIGATED

UPDATED 03/08/79

BUDGET IDENTIFICATION NUMBER 2445400720 752 1  
 DATE PRINTED: 03/22/79

BUDGET RECORD NUMBER 347  
 HARVEST MONTH: 6

IDENTIFICATION NUMBER 2445400720 752 1  
 GRAPE-FRUIT PRODUCTION COSTS & RETURNS  
 TULARE COUNTY - 1977  
 ORANGE COVE AREA

HARVEST MONTH 6

BUDGET RECORD NUMBER 347

MONTHLY SUMMARY OF RECEIPTS AND EXPENSES

CATEGORY	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL RECEIPTS	\$/AC	360.00	360.00	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	360.00	360.00	1800.00
OPERATING EXPENSES														
PRUNING	\$/AC	0.00	0.00	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.30
CALCIUM-NITRATE	\$/AC	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00
HERBICIDE	\$/AC	0.00	0.00	0.00	0.00	7.48	0.00	7.26	0.00	0.00	7.26	0.00	0.00	22.00
INSECTICIDE	\$/AC	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
FUNGICIDE	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50	12.50	0.00	0.00	0.00	25.00
MISCL EXPENSE	\$/AC	4.00	4.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	4.00	20.00
HEDGE & SHRED	\$/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
CUSTOM HARVEST	\$/AC	22.80	22.80	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.80	22.80	114.00
CUSTOM HAULING	\$/AC	6.00	6.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	30.00
MACHINE LABOR COST	\$/AC	3.02	4.95	4.43	1.82	2.38	1.62	1.57	0.56	2.22	0.15	0.15	3.02	26.09
INTEREST ON OPER. CAP.	\$/AC	1.32	1.98	1.08	0.40	0.41	0.02	2.32	2.92	3.21	1.55	2.78	1.55	19.55
TRACTOR COST	\$/AC	0.00	0.69	0.51	0.35	0.00	0.35	0.51	0.14	0.50	0.00	0.00	0.00	3.85
EQUIPMENT COST	\$/AC	0.28	0.42	0.35	0.14	0.93	0.14	0.16	0.47	0.53	0.08	0.08	0.28	3.89
BLDG OPER. COST	\$/AC	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	4.89
IRRIGATION COST	\$/AC	0.00	0.00	0.00	9.91	19.82	19.82	19.82	19.82	19.82	19.82	9.91	0.00	138.73
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	3.61	7.23	7.23	7.23	7.23	7.23	7.23	3.61	0.00	50.58
TOTAL EXPENSES	\$/AC	37.84	71.25	50.86	28.13	56.97	37.04	32.00	44.05	53.68	29.24	58.74	38.06	537.87

MONTHLY IRRIGATION AND LABOR REQUIREMENTS

	HR/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
MACHINE LABOR	HR/AC	0.59	0.97	0.87	0.22	0.47	0.22	0.31	0.11	0.30	0.03	0.03	0.59	4.72
MACH. CREW LABOR	HR/AC	0.00	0.00	0.00	0.19	0.00	0.19	0.00	0.00	0.19	0.00	0.00	0.00	0.58
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	0.85	1.70	1.70	1.70	1.70	1.70	1.70	0.85	0.00	11.90
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	2.50	5.00	5.00	5.00	5.00	5.00	5.00	2.50	0.00	35.00

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 35 HP	3	35.0	8300.	15.	300.	2.85	2.73	0.60	6.17	2.33	0.35	1.17	3.85	1.916
PICKUP 3/4 TON	15	0.8	8500.	7.	435.	0.62	0.32	0.07	1.01	0.70	0.10	0.21	1.01	0.300
IRR PUMP 75 HP*	23	2.0	11388.	25.	3200.	4.56	5.83	1.40	11.79	87.46	1.31	2.90	91.67	35.000
WIND MACHINE*	38	1.0	5000.	15.	150.	3.77	2.96	0.70	7.43	0.65	0.10	0.04	0.79	1.875
DRIP IRRIG SYST*	54	1.0	45750.	10.	5000.	32.43	25.73	5.18	63.33	0.00	0.92	46.14	47.06	35.000
FERTILIZER APLIC	65	10.0	800.	15.	60.	0.25	0.20	0.05	0.50	0.00	0.00	0.13	0.13	0.313
WD SPRYR 200 GAL	88	35.0	1700.	15.	60.	0.82	0.44	0.15	1.41	0.00	0.00	0.17	0.18	0.430
SPD SPRYR 300 GAL	91	35.0	15000.	15.	80.	2.96	2.32	0.55	5.83	0.00	0.03	1.53	1.56	0.262
ROTORRY CHOPPER	125	9.0	2400.	15.	55.	1.81	1.42	0.34	3.56	0.00	0.00	3.21	0.21	0.688
FARM SHOP	2		36000.	35.		11.57	21.36	5.06	37.99	4.50		0.19	4.69	
SHOP TOOLS&EQUIP	4		10500.	15.		6.13	7.36	1.48	14.96	0.00		0.17	0.17	
MISCL ORCH EQUIP	55		1500.	8.		2.11	0.89	0.21	3.21	0.00		0.02	0.02	

TOTAL INVESTMENT OR COST 166838.  
 MACHINERY & EQUIPMENT 2085.  
 INVESTMENT PER ACRE 69.87 71.75 15.78 157.41 95.64 2.83 52.89 151.36

80 ACRE ORCHARD WITH 90 TREES/AC  
 DRIP IRRIGATED

UPDATED 03/08/79

BUDGET IDENTIFICATION NUMBER 2445400720 752 1  
 HARVEST OR SALE MONTH 6

BUDGET RECORD NUMBER 347

GRAPE-FRUIT PRODUCTION COSTS & RETURNS  
 TULARE COUNTY - 1977  
 ORANGE COVE AREA

COSTS AND RETURNS WILL BE  
 DIVIDED BY 10.0 TON  
 TO OBTAIN PER TON COSTS

LINE	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
PRODUCTION	NUMBER OF UNITS																	
1 GRAPEFRUIT	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00	180.000	0.000	3.	44.	2.	0.
OPERATING INPUTS	RATE/UNIT																	
6 PRUNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.170	0.000	24.	340.	3.	0.
7 CALCIUM-NITRATE	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.060	0.000	12.	219.	3.	0.
8 HERBICIDE	0.00	0.00	0.00	0.34	0.00	0.33	0.00	0.00	0.33	0.00	0.00	0.00	22.000	0.000	7.	250.	3.	0.
9 INSECTICIDE	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.000	0.000	7.	240.	3.	0.
10 FUNGICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50	0.00	0.00	0.00	25.000	0.000	7.	241.	3.	0.
11 MISCL EXPENSE	0.20	0.20	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	20.000	0.000	7.	400.	3.	0.
12 HEDGE & SHRED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	0.500	0.000	24.	394.	3.	0.
13 CUSTOM HARVEST	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00	11.400	0.000	3.	304.	3.	9.
14 CUSTOM HAULING	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00	3.000	0.000	3.	306.	3.	9.
MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												# CREW		POWER	MACH	TYPE	HARV
													LABOR	UNIT	CODE			
26 FERTILIZER APLIC	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	85.	4.	0.
27 WD SPRYR 200 GAL	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.000	1.000	3.	88.	4.	0.
28 SPD SPYR 300 GAL	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.50	0.50	0.00	0.00	0.00	0.000	0.000	3.	91.	4.	0.
29 ROTORY CHOPPER	0.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	125.	4.	0.
30 WIND MACHINE*	0.47	0.47	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.000	0.000	0.	38.	4.	0.
31 PICKUP 3/4 TON	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.000	0.000	0.	15.	4.	0.
													SHARE	SHARE	POWER	SYSM		
													FIXED %	VAR %	UNIT	CODE	LIFT	
49 ACIN IRRIG WATER	0.00	0.00	0.00	2.50	5.00	5.00	5.00	5.00	5.00	5.00	2.50	0.00	0.00	0.00	23.	56.	200.	
50 NO. TIMES IRRIG	0.00	0.00	0.00	0.50	1.00	1.00	1.00	1.00	1.00	1.00	0.50	0.00						

EQUIPMENT REQUIREMENTS	NUMBER UNITS	PROPORT OF COST	XXX EQUIP CODE	TYPE	XXXX
51 FARM SHOP	1.000	1.000	0.	2.	5. 0.
52 SHOP TOOLS&EQUIP	1.000	1.000	0.	4.	5. 0.
53 MISCL ORCH EQUIP	1.000	1.000	0.	55.	5. 0.

LAND REQUIREMENTS	CHARGE METHOD	NUMBER OF ACRES	VALUE OR COST/ACRE	TAXES PER ACRE	PERENNIAL CROPS YRS LIFE	COST/ACRE
71	1.	80.00	1200.00	65.00	40.0	2200.00

80 ACRE ORCHARD WITH 90 TREES/AC  
 DRIP IRRIGATED

MACHINERY COMPLEMENT 7  
 EQUIPMENT COMPLEMENT 1

UPDATED 03/08/79

GENERAL NAME CHANGE->	LINE CHANGE	VALUE	LINE CHANGE	VALUE	LINE CHANGE	VALUE	LINE CHANGE	VALUE	LINE CHANGE	VALUE
219 CALCIUM-NITRATE			394 HEDGE & SHRED							
PARAMETER CHGS-->	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE
		1.700000								

BUDGET IDENTIFICATION NUMBER 2445400720 752 1  
 HARVEST OR SALE MONTH 6

BUDGET RECORD NUMBER 347

GRAPE-FRUIT PRODUCTION COSTS & RETURNS  
 TULARE COUNTY - 1977  
 ORANGE COVE AREA

COSTS AND RETURNS WILL BE  
 DIVIDED BY 10.0 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
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	SHARE	UNIT	ITEM	TYPE	XXXX
1 GRAPEFRUIT	NUMBER OF UNITS																	
1 GRAPEFRUIT	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00	180.000	0.000	3.	44.	2.	0.
OPERATING INPUTS	RATE/UNIT												PRICE	SHARE	UNIT	ITEM	TYPE	HARV
6 PRUNING	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.170	0.000	24.	340.	3.	0.
7 CALCIUM-NITRATE	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.060	0.000	12.	219.	3.	0.
8 HERBICIDE	0.00	0.00	0.00	0.34	0.00	0.33	0.00	0.00	0.33	0.00	0.00	0.00	22.000	0.000	7.	250.	3.	0.
9 INSECTICIDE	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.000	0.000	7.	240.	3.	0.
10 FUNGICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50	0.00	0.00	0.00	25.000	0.000	7.	241.	3.	0.
11 MISCL EXPENSE	0.20	0.20	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	20.000	0.000	7.	400.	3.	0.
12 HEDGE & SHRED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	0.500	0.000	24.	394.	3.	0.
13 CUSTOM HARVEST	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00	11.400	0.000	3.	304.	3.	9.
14 CUSTOM HAULING	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00	3.000	0.000	3.	306.	3.	9.
MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												M CREW	POWER	MACH	TYPE	HARV	
26 FERTILIZER APLIC	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	85.	4.	0.
27 WD SPYR 200 GAL	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.000	1.000	3.	88.	4.	0.
28 SPD SPYR 300 GAL	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.50	0.50	0.00	0.00	0.00	0.000	0.000	3.	91.	4.	0.
29 ROTORY CHOPPER	0.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	125.	4.	0.
30 WIND MACHINE*	0.47	0.47	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.000	0.000	0.	38.	4.	0.
31 PICKUP 3/4 TON	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.000	0.000	0.	15.	4.	0.
49 ACIN IRRIG WATER	0.00	0.00	0.00	2.50	5.00	5.00	5.00	5.00	5.00	5.00	2.50	0.00	0.00	0.00	23.	56.	200.	
50 NO. TIMES IRRIG	0.00	0.00	0.00	0.50	1.00	1.00	1.00	1.00	1.00	1.00	0.50	0.00						

EQUIPMENT REQUIREMENTS

51 FARM SHOP  
 52 SHOP TOOLS&EQUIP  
 53 MISCL ORCH EQUIP

NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX
UNITS	OF COST		CODE		
1.000	1.000	0.	2.	5.	0.
1.000	1.000	0.	4.	5.	0.
1.000	1.000	0.	55.	5.	0.

LAND REQUIREMENTS

71

CHARGE	NUMBER	VALUE OR	TAXES	PERENNIAL CROPS
METHOD	OF ACRES	COST/ACRE	PER ACRE	YRS LIFE
1.	80.00	1200.00	65.00	40.0
				2200.00

80 ACRE ORCHARD WITH 90 TREES/AC  
 DRIP IRRIGATED

MACHINERY COMPLEMENT 7  
 EQUIPMENT COMPLEMENT 1

UPDATED 03/08/79

GENERAL NAME CHANGE->219 CALCIUM-NITRATE 394 HEDGE & SHRED

LINE CHANGE LINE CHANGE LINE CHANGE

PARAMETER CHGS-->18. RM CL VALUE RM CL VALUE RM CL VALUE RM CL VALUE RM CL VALUE RM CL VALUE