

TITLE: GRAPEFRUIT PRODUCTION BY JOHN PEHRSON
 TULARE COUNTY FARM ADVISOR
 1980 YIELD OF 400-50LB BOXES PER ACRE

6

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
GRAPEFRUIT	BOX	2.500	400.000	1020.00	
TOTAL RECEIPTS:				\$ 1020.00	
2. VARIABLE COSTS:					
PREHARVEST:					
PRUNING	TREE	1.200	21.000	25.20	
CALCIUM-NITRATE	LBS.	0.060	600.000	36.00	
HERBICIDE	ACRE	30.000	1.000	30.00	
INSECTICIDE	ACRE	13.500	1.500	20.25	
FUNGICIDE	ACRE	25.000	1.000	25.00	
MISCL EXPENSE	ACRE	20.000	1.000	20.00	
HEDGE & SHRED	TREE	0.500	21.000	10.50	
RED SCALE TREATM	ACRE	40.000	1.000	40.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			7.61	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			7.87	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			4.89	
IRRIGATION (POWER-LUBE-REP)	ACRM	2.034	30.000	61.03	
MACHINERY LABOR	HOUR	5.450	5.272	28.73	
MACHINE CREW LABOR	HOUR	4.450	0.580	2.58	
IRRIGATION LABOR	HOUR	4.550	11.050	50.28	
INTEREST ON OPERATING CAP.	DOL.	0.120	145.002	17.02	
TOTAL PREHARVEST COSTS:				\$ 386.96	
PREHARVEST COST PER BOX				\$ 0.9484	
HARVEST:					
CUSTOM HARVEST	BOX	0.500	400.000	204.00	
CUSTOM HAULING	BOX	0.250	400.000	102.00	
INTEREST ON OPERATING CAP.	DOL.	0.120	130.750	15.69	
TOTAL HARVEST COSTS:				\$ 321.69	
HARVEST COST PER BOX				\$ 0.7885	
TOTAL VARIABLE COSTS:				\$ 708.65	
VARIABLE COST PER BOX				\$ 1.7369	
3. INCOME ABOVE VARIABLE COSTS:				\$ 311.35	
INCOME PER BOX				\$ 0.7631	
4. CASH OVERHEAD:				\$	
REAL PROPERTY TAXES:				65.00	
MISC. OFFICE & BOOKKEEPING (2.50% OF TOTAL VARIABLE COSTS)				17.72	
TOTAL CASH OVERHEAD:				\$ 82.72	
OVERHEAD COST PER BOX				0.2027	
5. INCOME ABOVE ALL CASH COSTS:				\$ 228.63	
INCOME PER BOX				\$ 0.5604	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			19.00	
IRRIGATION SYSTEM	ACRE			29.01	
BUILDINGS	ACRE			19.81	
TREES, VINES OR STAND	ACRE			73.33	
TOTAL DEPRECIATION:				\$ 141.15	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.120	178.087	21.37	
IRRIGATION SYSTEM		0.120	273.405	32.81	
BUILDINGS		0.098	343.125	33.45	
TREES, VINES OR STAND		0.098	2200.000	107.25	
LAND		0.098	2750.000	268.13	
TOTAL INTEREST CHARGE:				\$ 463.01	
TOTAL FIXED COSTS:				\$ 604.16	
FIXED COST PER BOX				1.4808	
7. TOTAL OF ABOVE COSTS:				\$ 1395.53	
TOTAL COST PER BOX				3.4204	
8. NET RETURNS:				\$ -375.53	
NET RETURNS PER BOX				-0.9204	

80 ACRE ORCHARD/BOX PRICE NOT DISCOUNTED FOR HARVEST COSTS
 108 TREES PER ACRE TREES HEDGED EVERY FIFTH YEAR
 DRIP IRRIGATION -GROUND WATER

UPDATED 02/28/80

BUDGET IDENTIFICATION NUMBER 2445400000 750 1
 DATE PRINTED: 02/28/80 1979 Default data

BUDGET RECORD NUMBER 347
 HARVEST MONTH: 7

IDENTIFICATION NUMBER 244540000 750 1
 GRAPEFRUIT PRODUCTION
 TULARE COUNTY
 1960

HARVEST MONTH 7
 BY JOHN PEARSON
 FARM ADVISOR

BUDGET RECORD NUMBER 347

YIELD OF 400-50LB BOXES PER ACRE

CATEGORY	UNIT	MONTHLY SUMMARY OF RECEIPTS AND EXPENSES												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
TOTAL RECEIPTS	\$/AC	5.00	5.00	0.00	125.00	150.00	150.00	150.00	150.00	150.00	125.00	5.00	5.00	1020.00
OPERATING EXPENSES														
FUEL	\$/AC	0.00	0.00	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.20
CALCIUM-NITRATE	\$/AC	0.00	36.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.00
HERBICIDE	\$/AC	0.00	0.00	0.00	3.75	0.00	3.75	0.00	0.00	22.50	0.00	0.00	0.00	30.00
INSECTICIDE	\$/AC	0.00	0.00	0.00	13.50	6.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.25
FUNGICIDE	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	25.00
DISC 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
EDGE & SHRED	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	10.50	0.00	0.00	0.00	0.00	0.00	10.50
CUSTOM HARVEST	\$/AC	1.00	1.00	0.00	25.00	30.00	30.00	30.00	30.00	30.00	25.00	1.00	1.00	204.00
CUSTOM HAULING	\$/AC	0.50	0.50	0.00	12.50	15.00	15.00	15.00	15.00	15.00	12.50	0.50	0.50	102.00
WATER SCALE TREATM	\$/AC	0.00	0.00	0.00	0.00	0.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00
MACHINE LABOR COST	\$/AC	3.23	5.29	4.74	2.94	2.11	4.67	1.67	0.16	2.08	0.16	1.03	3.23	31.32
INTEREST ON OPER. CAP.	\$/AC	0.58	2.39	1.24	2.17	1.42	1.15	0.02	6.96	8.79	4.77	2.59	0.63	32.71
TRACTOR COST	\$/AC	0.00	1.08	0.79	1.01	1.02	1.91	0.79	0.00	0.55	0.00	0.45	0.00	7.61
DISPENSEMENT COST	\$/AC	0.49	0.62	0.56	0.98	0.60	2.54	0.21	0.14	0.20	0.14	0.92	0.49	7.87
WATER 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	5.09	7.63	10.17	10.17	10.17	10.17	7.63	0.00	0.00	61.03
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	3.87	7.74	7.74	7.74	7.74	7.74	7.74	0.00	0.00	50.28
TOTAL EXPENSES	\$/AC	10.21	51.29	32.94	75.20	72.67	117.33	76.51	70.57	97.44	58.34	35.89	10.26	708.65

MACHINE LABOR	HR/AC	MONTHLY IRRIGATION AND LABOR REQUIREMENTS												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MACHINE LABOR	HR/AC	0.59	0.97	0.87	0.38	0.39	0.70	0.31	0.03	0.22	0.03	0.19	0.59	5.27
MACHINE NEW 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	0.00	0.00	11.05
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	2.50	3.75	5.00	5.00	5.00	5.00	3.75	0.00	0.00	30.00

MACHINERY FIXED AND VARIABLE COSTS PER ACRE

MACHINE	CODE	SIZE	PURCHASE PRICE	YEARS OWNED	ANNUAL 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.	3.59	4.80	0.67	9.06	5.34	0.80	1.48	7.61	2.420
BACKUP 3/4 TON	15	0.8	8500.	7.	435.	0.62	0.44	0.06	1.12	1.26	0.19	0.21	1.66	0.300
RR PUMP 30 HP	21	1.0	7038.	25.	6400.	1.21	2.15	0.33	3.68	17.75	0.27	2.68	20.69	30.000
TRHD MACHINE	38	1.0	5000.	15.	150.	3.77	4.11	0.62	8.50	1.18	0.18	0.04	1.40	1.875
TRIP IRRIG SYST	56	1.0	65750.	10.	5000.	27.80	30.66	3.94	62.40	0.00	0.79	39.55	40.34	30.000
FERTILIZER APLIC	85	10.0	800.	15.	60.	0.25	0.27	0.04	0.57	0.00	0.00	0.13	0.13	0.313
D SPRAYR 200 GAL	88	35.0	1700.	15.	60.	0.82	0.89	0.14	1.85	0.00	0.00	0.17	0.18	0.480
DD GAL SPD SPRA	91	35.0	15000.	15.	80.	8.14	8.88	1.35	18.37	0.00	0.08	4.20	4.29	0.720
STORY CHOPPER	125	9.0	2400.	15.	55.	1.81	1.97	0.30	4.08	0.00	0.00	0.21	0.21	0.688
WRA SHOP	2		36000.	35.		11.57	24.13	4.50	40.20	4.50		0.19	4.69	
WOP TOOLS&EQUIP	4		10300.	15.		6.13	8.32	1.31	15.76	0.00		0.17	0.17	
USCL ORCH EQUIP	55		1500.	8.		2.11	1.01	0.19	3.30	0.00		0.02	0.02	

MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE	2031.	67.81	87.63	13.46	168.90	30.02	2.32	49.06	81.40
TOTAL INVESTMENT	162468.								

80 ACRE ORCHARD/BOX PRICE NOT DISCOUNTED FOR HARVEST COSTS
 108 TREES PER ACRE TREES HEDGED EVERY FIFTH YEAR
 DRIP IRRIGATION -GROUND WATER

UPDATED 02/28/60

GRAPEFRUIT PRODUCTION BY JOHN PEHRSON
 TULARE COUNTY FARM ADVISOR
 1980 YIELD OF 400-50LB BOXES PER ACRE

COSTS AND RETURNS WILL BE
 DIVIDED BY 400.0 BOX
 TO OBTAIN PER BOX COSTS

LINE PRODUCTION	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 ITER CODE	17 TYPE	18 XXXX
1 GRAPEFRUIT	2.00	2.00	0.00	50.00	60.00	60.00	60.00	60.00	60.00	50.00	2.00	2.00	2.500	0.000	26.	44.	2.	0.
OPERATING INPUTS																		
	RATE/UNIT												PRICE	SHARE RENT	UNIT CODE	ITER CODE	TYPE	HARV CODE
6 PRUNING	0.00	0.00	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.200	0.000	24.	340.	3.	0.
7 CALCIUM-NITRATE	0.00	60.00	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	0.13	0.00	0.13	0.00	0.00	0.75	0.00	0.00	0.00	30.000	0.000	7.	250.	3.	0.
9 INSECTICIDE	0.00	0.00	0.00	1.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.500	0.000	7.	240.	3.	0.
10 FUNGICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	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	21.00	0.00	0.00	0.00	0.00	0.00	0.500	0.000	24.	394.	3.	0.
13 CUSTOM HARVEST	2.00	2.00	0.00	50.00	60.00	60.00	60.00	60.00	60.00	50.00	2.00	2.00	0.500	0.000	26.	304.	3.	9.
14 CUSTOM HAULING	2.00	2.00	0.00	50.00	60.00	60.00	60.00	60.00	60.00	50.00	2.00	2.00	0.250	0.000	26.	306.	3.	9.
15 RED SCALE TREATM	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	40.000	0.000	7.	249.	3.	0.
MACHINERY REQUIREMENTS																		
	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												A CREW POWER		RACH	TYPE	HARV	
													LABOR	UNIT	CODE		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.
28 500 GAL SPD SPRA	0.00	0.00	0.00	1.00	0.50	3.00	0.00	0.00	0.00	0.00	1.00	0.00	0.000	0.000	3.	91.	4.	0.
29 ROTARY 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 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 PUMP 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 SYSA																		
FIXED Z VAR Z UNIT CODE LIFT																		
49 ACIN IRRIG WATER	0.00	0.00	0.00	2.50	3.75	5.00	5.00	5.00	5.00	3.75	0.00	0.00	0.00	0.00	0.00	21.	56.	90.
50 NO. TIMES IRRIG	0.00	0.00	0.00	0.50	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00						

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

LAND REQUIREMENTS	CHARGE METHOD	NUMBER OF ACRES	VALUE OR COST/ACRE	TAXES PER ACRE	PERENNIAL CROPS YRS LIFE	COST/ACRE
71	1.	80.00	2750.00	65.00	30.0	2200.00

80 ACRE ORCHARD/BOX PRICE NOT DISCOUNTED FOR HARVEST COSTS
 100 TREES PER ACRE TREES HEDGED EVERY FIFTH YEAR
 DRIP IRRIGATION -GROUND WATER

MACHINERY COMPLEMENT 7
 EQUIPMENT COMPLEMENT 1

UPDATED 02/28/80

LINE CHANGE	GENERAL NAME CHANGE	LINE CHANGE	GENERAL NAME CHANGE	LINE CHANGE	GENERAL NAME CHANGE	LINE CHANGE	GENERAL NAME CHANGE	LINE CHANGE	GENERAL NAME CHANGE	LINE CHANGE	GENERAL NAME CHANGE
219	CALCIUM-NITRATE	394	HEDGE & SHRED	249	RED SCALE TREATM						
91	500 GAL SPD SPRA										
RV CL	VALUE	RV CL	VALUE	RV CL	VALUE	RV CL	VALUE	RV CL	VALUE	RV CL	VALUE
	1.700000										

PARAMETER CHGS-->18.
 1979 default data