

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

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

1. GROSS RECEIPTS FROM PRODUCTION:				\$	
ORANGES, VALENCA	TON	210.000	10.000	2100.00	
TOTAL RECEIPTS:				\$	2100.00

2. VARIABLE COSTS:					
PREHARVEST:				\$	\$
PRUNING	TREE	0.170	108.000	18.36	
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	
HEDGE & SHRED	TREE	0.500	22.000	11.00	
MISCL EXPENSE	ACRE	20.000	1.000	20.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			3.85	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			3.69	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			4.87	
IRRIGATION POWER COST	ACRE			96.69	
IRRIGATION (LUBE-REPAIRS)	ACRE			58.55	
IRRIGATION WATER APPLIED	ACIN	3.681	40.000		
MACHINERY LABOR	HOUR	5.100	4.717	24.06	
MACHINE CREW LABOR	HOUR	3.500	0.580	2.03	
IRRIGATION LABOR	HOUR	4.250	13.600	57.80	
INTEREST ON OPERATING CAP.	DOL.	0.086	183.634	15.62	
TOTAL PREHARVEST COSTS:				\$	418.75
PREHARVEST COST PER TON				\$	41.87
HARVEST:				\$	\$
CUSTOM HARVEST	TON	12.250	10.000	122.50	
CUSTOM HAULING	TON	2.700	10.000	27.00	
INTEREST ON OPERATING CAP.	DOL.	0.086	18.688	1.61	
TOTAL HARVEST COSTS:				\$	151.11
HARVEST COST PER TON				\$	15.11
TOTAL VARIABLE COSTS:				\$	569.86
VARIABLE COST PER TON				\$	56.99

3. INCOME ABOVE VARIABLE COSTS:				\$	1530.14
INCOME PER TON				\$	153.01

4. CASH OVERHEAD:				\$	
REAL PROPERTY TAXES:					55.00
MISC. OFFICE & BOOKKEEPING (2.50% OF TOTAL VARIABLE COSTS)					14.25
TOTAL CASH OVERHEAD:				\$	69.25

5. INCOME ABOVE ALL CASH COSTS:				\$	1460.89
INCOME PER TON				\$	146.09

6. OWNERSHIP COSTS:				\$	
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			13.08	
IRRIGATION SYSTEM	ACRE			42.28	
BUILDINGS	ACRE			19.81	
TREES, VINES OR STAND	ACRE			27.50	
TOTAL DEPRECIATION:				\$	102.66
CAPITAL & INTEREST:				\$	
MACHINERY & EQUIPMENT		0.086	122.660	10.59	
IRRIGATION SYSTEM		0.086	417.860	36.06	
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:				\$	270.19
TOTAL FIXED COSTS:				\$	372.85
FIXED COST PER TON					37.28

7. TOTAL OF ABOVE COSTS:				\$	1011.95
TOTAL COST PER TON					101.20

8. NET RETURNS:				\$	1088.05
NET RETURNS PER TON					108.80

80 ACRE ORCHARD - TREES HEDGED EVERY 5TH YEAR
DRIP IRRIGATED - 108 TREES/AC

UPDATED 03/08/79

BUDGET IDENTIFICATION NUMBER 2545400720 752 1
DATE PRINTED: 03/22/79

BUDGET RECORD NUMBER 346
HARVEST MONTH: 6

VALENCIA ORANGE PRODUCTION COSTS & RETURNS

TULARE COUNTY - 1977

ORANGE COVE AREA

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	525.00	525.00	525.00	525.00	0.00	0.00	0.00	0.00	0.00	0.00	2100.00
OPERATING EXPENSES														
PRUNING	\$/AC	0.00	0.00	18.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.36
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	7.48	0.00	7.26	0.00	0.00	7.26	0.00	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
HEDGE & SHRED	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.00	0.00	11.00
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
CUSTOM HARVEST	\$/AC	0.00	0.00	30.63	30.63	30.63	30.63	0.00	0.00	0.00	0.00	0.00	0.00	122.50
CUSTOM HAULING	\$/AC	0.00	0.00	6.75	6.75	6.75	6.75	0.00	0.00	0.00	0.00	0.00	0.00	27.00
MACHINE LABOR COST	\$/AC	3.02	4.93	4.43	1.82	2.38	1.82	1.57	0.56	2.22	0.15	0.15	3.02	26.09
INTEREST ON OPER. CAP.	\$/AC	0.29	1.15	1.33	0.94	0.67	0.02	2.29	2.89	3.19	1.53	2.07	0.87	17.24
TRACTOR COST	\$/AC	0.00	0.69	0.51	0.35	0.80	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	9.70	19.41	19.41	19.41	19.41	19.41	19.41	19.41	9.70	155.24
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	3.61	7.23	7.23	7.23	7.23	7.23	7.23	7.23	3.61	57.80
TOTAL EXPENSES	\$/AC	8.00	41.62	62.76	65.83	94.19	74.00	31.56	43.60	53.24	28.80	44.35	21.90	569.66

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
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	1.70	0.85	13.60
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	2.50	46.00

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.	5.21	6.66	1.60	13.48	96.69	1.45	3.31	101.46	40.000
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*	56	1.0	65750.	10.	5000.	37.06	29.40	5.92	72.38	0.00	1.05	52.73	53.78	40.000
FERTILIZER APLIC	85	10.0	800.	15.	60.	0.25	0.20	0.05	0.50	0.00	0.00	0.13	0.13	0.313
WD SPYR 200 GAL	86	35.0	1700.	15.	60.	0.82	0.64	0.15	1.61	0.00	0.00	0.17	0.18	0.480
SPD SPYR 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
ROTARY CHOPPER	125	9.0	2400.	15.	55.	1.81	1.42	0.34	3.56	0.00	0.00	0.21	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 75.16 76.26 16.72 168.14 104.88 3.10 59.90 167.67

60 ACRE ORCHARD - TREES HEDGED EVERY 5TH YEAR
 DRIP IRRIGATED - 100 TREES/AC

BUDGET IDENTIFICATION NUMBER 2545400720 752 1
 HARVEST OR SALE MONTH 6

BUDGET RECORD NUMBER 346

VALENCIA ORANGE 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 ORANGES, VALENCA	0.00	0.00	2.50	2.50	2.50	2.50	0.00	0.00	0.00	0.00	0.00	0.00	210.000	0.000	3.	54.	2.	0.
OPERATING INPUTS																		
	RATE/UNIT												PRICE	SHARE	UNIT	ITEM	TYPE	HARV
														RENT	CODE	CODE		CODE
6 PRUNING	0.00	0.00	108.00	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 HEDGE & SHRED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	0.00	0.500	0.000	24.	394.	3.	0.
12 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.
13 CUSTOM HARVEST	0.00	0.00	2.50	2.50	2.50	2.50	0.00	0.00	0.00	0.00	0.00	0.00	12.250	0.000	3.	304.	3.	9.
14 CUSTOM HAULING	0.00	0.00	2.50	2.50	2.50	2.50	0.00	0.00	0.00	0.00	0.00	0.00	2.700	0.000	3.	306.	3.	9.
MACHINERY REQUIREMENTS																		
	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												M	CREW	POWER	MACH	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 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 SYM																		
													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	5.00	2.50	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	1.00	0.50						

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 MISCL ORCH EQUIP	1.000	1.000	0.	55.	5.	0.

LAND REQUIREMENTS	CHARGE	NUMBER	VALUE OR	TAXES	PERENNIAL CROPS
	METHOD	OF ACRES	COST/ACRE	PER ACRE	YRS LIFE COST/ACRE
71	1.	80.00	1200.00	55.00	40.0 2200.00

80 ACRE ORCHARD - TREES HEDGED EVERY 5TH YEAR
 DRIP IRRIGATED - 108 TREES/AC

MACHINERY COMPLEMENT 7
 EQUIPMENT COMPLEMENT 1

UPDATED 03/08/79

GENERAL NAME CHANGE-->	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE
	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE
19 CALCIUM-NITRATE		1.700000	394	HEDGE & SHRED		
PARAMETER CHGS-->	18.					