

TITLE: NAVEL ORANGE PRODUCTION COSTS & RETURNS
 TULLARE COUNTY - 1977
 GRANGE COVE AREA

345

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
ORANGES, NAVEL	TON	97.000	9.000	\$ 873.00	
TOTAL RECEIPTS:				\$ 873.00	
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			3.13	
EQUIPMENT (FUEL=LUBE=REPAIRS)	ACRE			2.38	
BUILDINGS (FUEL=LUBE=REPAIRS)	ACRE			4.88	
IRRIGATION POWER COST	ACRE			87.46	
IRRIGATION (LUBE=REPAIRS)	ACRE			51.27	
IRRIGATION WATER APPLIED	ACIN	3.964	35,000		
MACHINERY LABOR	HOUR	4.000	3,967	15.87	
IRRIGATION LABOR	HOUR	3.300	11,900	39.27	
INTEREST ON OPERATING CAP.	DOL.	0.080	163,097	13.05	
TOTAL PREHARVEST COSTS:				\$ 368.66	
PREHARVEST COST PER TON				\$ 40.96	
HARVEST:					
TOTAL HARVEST COSTS:				\$ 0.00	
HARVEST COST PER TON				\$ 0.00	
TOTAL VARIABLE COSTS:				\$ 368.66	
VARIABLE COST PER TON				\$ 40.96	
3. INCOME ABOVE VARIABLE COSTS:				\$ 504.34	
INCOME PER TON				\$ 56.04	
4. CASH OVERHEAD: (PROPERTY TAX & INSURANCE					
				\$	
+ 5.0% OF TOTAL VARIABLE COSTS)				37.80	
LAND TAXES:				64.00	
BUILDINGS:				12.76	
TOTAL CASH OVERHEAD:				\$ 114.56	
5. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			23.11	
IRRIGATION SYSTEM	ACRE			36.99	
BUILDINGS:	ACRE			18.81	
TOTAL DEPRECIATION:				\$ 78.92	
CAPITAL & INTEREST:				\$	
MACHINERY & EQUIPMENT					
		0.080	172,299	13.78	
IRRIGATION SYSTEM					
		0.080	365,645	29.25	
BUILDINGS:					
		0.080	335,625	26.85	
TOTAL INTEREST CHARGE:				\$ 69.69	
PRORATED ESTABLISHMENT COST:				\$ 55.00	
TOTAL FIXED COSTS:				\$ 318.36	
FIXED COST PER TON				35.37	
NET INCOME ABOVE FIXED & VARIABLE COSTS:				\$ 185.98	
NET INCOME PER TON				20.66	
6. MANAGEMENT CHARGE (10.0% OF GROSS RECEIPTS)				\$ 87.30	
7. LAND CHARGE (\$ 1200.00 @ 9.0%):				\$ 108.00	
8. TOTAL OF ABOVE COSTS:				\$ 882.32	
TOTAL COST PER TON				98.04	
9. NET RETURNS:				\$ -9.32	
NET RETURNS PER TON				-1.04	

FOOTNOTE: 80 ACRE ORCHARD -- TREES HEDGED EVERY 5TH YEAR

CRIP IRRIGATED - 108 TREES/ACRE

FRUIT IS SOLD "ON THE TREE"

AUTHORITY: COOP EXT

DATE: 05/19/78

BUDGET IDENTIFICATION: ENTERPRISE 253 COUNTY 54 MISCL 00 IRRIGATION LEVEL 7 LAND CLASS 2

INDIV. # 0 MACH. COMP. 7 IRIG. SYSTEM 5 PRICE VECTOR 2 EQUIP COMP 1

DATE PRINTED: 05/19/78

ANNUAL CAPITAL MONTH: 6

NAVEL ORANGE PRODUCTION COSTS & RETURNS

TULARE COUNTY - 1977

ORANGE COVE AREA

MONTHLY SUMMARY OF RECEIPTS AND EXPENSES

CATEGORY	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL RECEIPTS	\$/AC	174.60	174.60	174.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.60	174.60	873.00
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
WISCL 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
MACHINE LABCR COST	\$/AC	1.62	3.13	2.73	0.89	1.86	0.89	1.23	0.44	1.21	0.12	0.12	1.62	15.87
INTEREST ON OPER. CAP.	\$/AC	0.21	1.02	0.44	0.35	0.36	0.23	2.03	2.61	2.85	1.39	1.32	0.25	13.05
TRACTOR COST	\$/AC	0.00	0.56	0.41	0.29	0.65	0.29	0.41	0.12	0.40	0.00	0.00	0.00	3.13
EQUIPMENT COST	\$/AC	0.20	0.21	0.29	0.10	0.49	0.10	0.16	0.24	0.26	0.07	0.07	0.20	2.38
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	4.88
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 LABCR COST	\$/AC	0.00	0.00	0.00	2.80	5.61	5.61	5.61	5.61	5.61	5.61	2.80	0.00	39.27
TOTAL EXPENSES	\$/AC	6.43	39.33	22.64	26.22	54.19	34.60	29.66	41.73	50.32	27.41	29.63	6.47	368.66

MONTHLY IRRIGATION AND LABOR REQUIREMENTS

MACHINE LABOR	HR/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
MACHINE LABOR	HR/AC	0.41	0.78	0.68	0.22	0.47	0.22	0.31	0.11	0.30	0.03	0.03	0.41	3.97
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	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.	3.150	2.316	1.005	6.471	2.213	0.332	0.584	3.128	1.916
PICKUP 3/4 TON	15	0.8	7750.	5.	435.	0.721	0.283	0.121	1.125	0.660	0.099	0.109	0.868	0.300
IRR PUMP 75 HP*	23	2.0	11388.	25.	3200.	4.561	5.404	2.668	12.633	87.455	1.312	2.900	91.667	35.000
WIND MACHINE*	38	1.0	5000.	15.	150.	2.511	1.827	0.895	5.233	0.413	0.062	0.023	0.497	1.250
WELL+DRIP*	56	1.0	65750.	10.	5000.	32.430	23.848	10.345	66.623	0.000	0.923	46.138	47.060	35.000
FERTILIZER APLIC	85	10.0	713.	5.	29.	1.069	0.401	0.173	1.643	0.000	0.000	0.016	0.017	0.313
WD SPRYR 200 GAL	88	35.0	1897.	10.	31.	2.417	1.382	0.642	4.441	0.000	0.001	0.068	0.070	0.480
SPD SPYR 300 GAL	91	35.0	16100.	10.	54.	6.428	3.676	1.709	11.812	0.000	0.013	0.643	0.656	0.262
ROTCRY CHOPPER	125	9.0	2530.	10.	21.	6.818	3.899	1.813	12.530	0.000	0.005	0.265	0.270	0.688
TOTAL			118128.			60.10	43.04	19.37	122.51	90.74	2.75	50.75	144.23	

BUDGET IDENTIFICATION NUMBER 2535400720 752 1
 HARVEST OR SALE MONTH 6

BUDGET RECORD NUMBER 345

NAVEL ORANGE PRODUCTION COSTS & RETURNS
 TULARE COUNTY - 1977
 ORANGE DOVE AREA

COSTS AND RETURNS WILL BE
 DIVIDED BY 9.0 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 ORANGES, NAVAL	1.00	1.20	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.80	10.000	0.000	3.	53.	2.	0.	
OPERATING INPUTS	RATE/UNIT													PRICE	SHARE RENT	UNIT CODE	ITEM CODE	TYPE	HARV CODE
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	0.00	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	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	11.000	0.000	3.	304.	3.	9.	
14 CUSTOM HAULING	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	2.700	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								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						
27 PRYR 200 GAL	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00						
28 PRYR 300 GAL	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.50	0.50	0.00	0.00						
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						
30 WIND MACHINE*	0.31	0.31	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31						
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						
49 ACIA 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.
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	1200.00	64.00	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	VALUE	RM CL	LINE CHANGE	VALUE	RM CL	LINE CHANGE	VALUE	RM CL	LINE CHANGE	VALUE	RM CL
219 CALCIUM-NITRATE	394	1.700000		HEDGE & SHRED								
PARAMETER CHGS-->	10.											