

TITLE: VALENCA ORANGE PRODUCTION  
TULARE COUNTY  
1980

BY JOHN PEHRSON  
IARR ADVISOR  
YIELD OF 400-50LB BOXES PER ACRE

OR-VS-80-1

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
<b>1. GROSS RECEIPTS FROM PRODUCTION:</b>					
ORANGES, VALENCA	BOX	2.500	400.000	1000.00	
<b>TOTAL RECEIPTS:</b>				\$ 1000.00	
<b>2. VARIABLE COSTS:</b>					
<b>PREHARVEST:</b>					
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	
HEDGE & SHRED	TREE	0.500	21.000	10.50	
MISCL EXPENSE	ACRE	20.000	1.000	20.00	
RED SCALE TREATA	ACRE	40.000	1.000	40.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			14.90	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			24.53	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			5.72	
IRRIGATION (POWER-LUBE-REP)	ACIN	2.319	30.000	69.57	
MACHINERY LABOR	HOUR	5.990	7.124	42.67	
MACHINE CREW LABOR	HOUR	4.900	0.993	4.87	
IRRIGATION LABOR	HOUR	5.000	11.050	55.25	
INTEREST ON OPERATING CAP.	DOL.	0.140	163.765	22.34	
<b>TOTAL PREHARVEST COSTS:</b>				\$ 446.80	
<b>PREHARVEST COST PER BOX</b>				\$ 1.1170	
<b>HARVEST:</b>					
CUSTOM HARVEST	BOX	0.500	400.000	200.00	
CUSTOM HAULING	BOX	0.250	400.000	100.00	
INTEREST ON OPERATING CAP.	DOL.	0.140	127.500	17.85	
<b>TOTAL HARVEST COSTS:</b>				\$ 317.85	
<b>HARVEST COST PER BOX</b>				\$ 0.7946	
<b>TOTAL VARIABLE COSTS:</b>				\$ 764.65	
<b>VARIABLE COST PER BOX</b>				\$ 1.9116	
<b>3. INCOME ABOVE VARIABLE COSTS:</b>					
<b>INCOME PER BOX</b>				\$ 235.35	
<b>INCOME PER BOX</b>				\$ 0.5884	
<b>4. CASH OVERHEAD:</b>					
<b>REAL PROPERTY TAXES:</b>				\$ 55.00	
<b>TOTAL CASH OVERHEAD:</b>				\$ 55.00	
<b>OVERHEAD COST PER BOX</b>				0.1375	
<b>5. INCOME ABOVE ALL CASH COSTS:</b>					
<b>INCOME PER BOX</b>				\$ 180.35	
<b>INCOME PER BOX</b>				\$ 0.4509	
<b>6. OWNERSHIP COSTS:</b>					
<b>DEPRECIATION:</b>					
MACHINERY & EQUIPMENT	ACRE			40.25	
IRRIGATION SYSTEM	ACRE			34.81	
BUILDINGS	ACRE			23.17	
TREES, VINES OR STAND	ACRE			73.33	
<b>TOTAL DEPRECIATION:</b>				\$ 171.56	
<b>CAPITAL &amp; INTEREST:</b>					
MACHINERY&EQUIPMENT		0.140	378.435	52.98	
IRRIGATION SYSTEM		0.140	328.097	45.93	
BUILDINGS		0.107	401.456	42.84	
TREES, VINES OR STAND		0.107	2200.000	117.37	
LAND		0.107	2750.000	293.43	
<b>TOTAL INTEREST CHARGE:</b>				\$ 552.54	
<b>TOTAL FIXED COSTS:</b>				\$ 724.11	
<b>FIXED COST PER BOX</b>				1.8103	
<b>7. TOTAL OF ABOVE COSTS:</b>					
<b>TOTAL COST PER BOX</b>				\$ 1543.76	
<b>TOTAL COST PER BOX</b>				3.8594	
<b>8. NET RETURNS:</b>					
<b>NET RETURNS PER BOX</b>				\$ -543.76	
<b>NET RETURNS PER BOX</b>				-1.3594	

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 2545400000 760 1  
DATE PRINTED: 06/09/80

BUDGET RECORD NUMBER 346  
HARVEST MONTH: 7

1980 default data

IDENTIFICATION NUMBER 2545400000 760 1  
 VALENCIA ORANGE PRODUCTION  
 TULARE COUNTY  
 1980

HARVEST MONTH 7  
 BY JOHN PEHRSON  
 FARM ADVISOR  
 YIELD OF 400-50LB BOXES PER ACRE

BUDGET RECORD NUMBER 346

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	125.00	150.00	150.00	150.00	150.00	150.00	125.00	0.00	0.00	1000.00
OPERATING EXPENSES														
PRUNING	\$/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
HEDGE & 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
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	0.00	25.00	30.00	30.00	30.00	30.00	30.00	25.00	0.00	0.00	200.00
CUSTOM HAULING	\$/AC	0.00	0.00	0.00	12.50	15.00	15.00	15.00	15.00	15.00	12.50	0.00	0.00	100.00
RED SCALE TREATA	\$/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	3.55	5.82	5.76	6.00	3.50	10.43	2.39	0.18	3.79	0.18	2.39	3.55	47.54
INTEREST ON OPER. CAP.	\$/AC	0.75	2.85	1.61	2.76	1.76	1.50	0.03	8.40	10.78	5.76	3.20	0.81	40.19
TRACTOR COST	\$/AC	0.00	1.25	1.22	2.31	1.83	4.75	1.22	0.00	1.09	0.00	1.22	0.00	14.90
EQUIPMENT COST	\$/AC	2.60	2.76	2.71	2.46	1.36	6.83	0.27	0.16	0.28	0.16	2.34	2.60	24.53
BLDG OPER. COST	\$/AC	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	5.72
IRRIGATION COST	\$/AC	0.00	0.00	0.00	5.80	8.70	11.59	11.59	11.59	11.59	8.70	0.00	0.00	69.57
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	4.25	8.50	8.50	8.50	8.50	8.50	8.50	0.00	0.00	55.25
TOTAL EXPENSES	\$/AC	11.37	53.15	36.97	82.81	77.88	132.83	79.99	74.31	104.00	61.27	38.63	11.43	764.65

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC	0.59	0.97	0.96	0.73	0.58	1.47	0.40	0.03	0.36	0.03	0.40	0.59	7.12
MACH. CREW LABOR	HR/AC	0.00	0.00	0.00	0.33	0.00	0.33	0.00	0.00	0.33	0.00	0.00	0.00	0.99
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	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	9960.	15.	300.	7.31	11.39	3.07	21.77	10.34	1.55	3.00	14.90	4.104
PICKUP 3/4 TON	15	0.8	10200.	7.	435.	0.75	0.62	0.16	1.52	1.44	0.22	0.25	1.91	0.300
IRR PUMP 30 HP*	21	1.0	8450.	25.	6400.	1.45	3.01	0.89	5.35	17.69	0.27	3.21	21.16	30.000
WIND MACHINE*	38	1.0	6000.	15.	150.	4.52	5.75	1.69	11.96	8.44	1.27	0.05	9.75	1.875
DRIP IRRIG SYST*	56	1.0	78900.	10.	5000.	33.36	42.93	10.65	86.93	0.00	0.95	47.46	48.40	30.000
DRY FERT APPLIC.	85	10.0	960.	15.	60.	0.30	0.38	0.11	0.80	0.00	0.00	0.16	0.16	0.313
WD SPRYR 200 GAL	88	15.0	2040.	15.	60.	1.68	2.14	0.63	4.45	0.00	0.01	0.36	0.36	0.821
500 GAL SPD SPRA	91	15.0	18000.	15.	80.	22.79	29.01	8.51	60.31	0.00	0.24	11.77	12.00	1.681
ROTARY CHOPPER	125	9.0	2880.	15.	55.	2.89	3.68	1.08	7.66	0.00	0.01	0.34	0.34	0.917
FARM SHOP	2		42120.	35.		13.54	30.90	5.27	49.70	5.27	0.23	0.23	5.49	
TOOLS-SHOP EQUIP	4		12285.	15.		7.17	10.65	1.54	19.35	0.00		0.20	0.20	
MISCL ORCH EQUIP	55		1755.	8.		2.47	1.29	0.22	3.97	0.00		0.03	0.03	
MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE			2419.			98.23	141.75	33.80	273.78	43.17	4.50	67.05	114.72	
TOTAL INVESTMENT			193550.											

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

VALENCIA ORANGE PRODUCTION  
TULARE COUNTY  
1980

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OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
PICKUP 3/4 TON		15 AUG	0.50	0.030	0.025	0.16	0.13
WD SPRYR 200 GAL	3,	88 SEPT	1.00	0.000	0.274	1.21	3.08
PICKUP 3/4 TON		15 SEPT	0.50	0.030	0.025	0.16	0.13
PICKUP 3/4 TON		15 OCT	0.50	0.030	0.025	0.16	0.13
500 GAL SPD SPRA	3,	91 NOV	1.00	0.370	0.306	3.40	12.75
PICKUP 3/4 TON		15 NOV	0.50	0.030	0.025	0.16	0.13
WIND MACHINE*		38 DEC	0.47	0.000	0.469	2.44	2.99
PICKUP 3/4 TON		15 DEC	0.50	0.030	0.025	0.16	0.13
WIND MACHINE*		38 JAN	0.47	0.000	0.469	2.44	2.99
PICKUP 3/4 TON		15 JAN	0.50	0.030	0.025	0.16	0.13
DRY FERT APPLIC.	3,	85 FEB	1.00	0.378	0.313	1.41	2.62
WIND MACHINE*		38 FEB	0.47	0.000	0.469	2.44	2.99
PICKUP 3/4 TON		15 FEB	0.50	0.030	0.025	0.16	0.13
ROTORY CHOPPER	3,125	MAR	1.00	0.370	0.306	1.33	4.34
WIND MACHINE*		38 MAR	0.47	0.000	0.468	2.43	2.99
PICKUP 3/4 TON		15 MAR	0.50	0.030	0.025	0.16	0.13
WD SPRYR 200 GAL	3,	88 APR	1.00	0.000	0.274	1.21	3.08
500 GAL SPD SPRA	3,	91 APR	1.00	0.370	0.306	3.40	12.75
PICKUP 3/4 TON		15 APR	0.50	0.030	0.025	0.16	0.13
500 GAL SPD SPRA	3,	91 MAY	0.50	0.185	0.153	1.70	6.37
ROTORY CHOPPER	3,125	MAY	1.00	0.370	0.306	1.33	4.34
PICKUP 3/4 TON		15 MAY	0.50	0.030	0.025	0.16	0.13
WD SPRYR 200 GAL	3,	88 JUNE	1.00	0.000	0.274	1.21	3.08
500 GAL SPD SPRA	3,	91 JUNE	3.00	1.109	0.917	10.21	38.24
PICKUP 3/4 TON		15 JUNE	0.50	0.030	0.025	0.16	0.13
ROTORY CHOPPER	3,125	JULY	1.00	0.370	0.306	1.33	4.34
PICKUP 3/4 TON		15 JULY	0.50	0.030	0.025	0.16	0.13
TOTALS				3.881	5.906	39.42	108.47

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--- 2545400000 760 1  
ANNUAL CAPITAL MONTH 7 BUDGET RECORD NUMBER 346

FUEL USE SUMMARY FOR BUDGET NUMBER 2545400000 760 1

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

FUEL USED IN GALLONS PER HOUR

--- TRACTOR 35 HP --- 2.100 ---  
 PICKUP 3/4 TON 4.000  
 IRR PUMP 30 HP\* 0.098  
 WIND MACHINE\* 3.750

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
PICKUP 3/4 TON	0.200	
IRR PUMP 30 HP*	0.098	
WIND MACHINE*	3.750	
DRY FERT APPLIC.	0.722	TRACTOR 35 HP
WD SPRYR 200 GAL	0.632	TRACTOR 35 HP
500 GAL SPD SPRA	0.706	TRACTOR 35 HP
ROTORY CHOPPER	0.706	TRACTOR 35 HP

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
DRY FERT APPLIC.	0.000	0.722	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.722	1
SPRYR 200 GAL	0.000	0.000	0.000	0.632	0.000	0.632	0.000	0.000	0.632	0.000	0.000	0.000	1.896	1
GAL SPD SPRA	0.000	0.000	0.000	0.706	0.353	2.118	0.000	0.000	0.000	0.000	0.706	0.000	3.882	1
ROTORY CHOPPER	0.000	0.000	0.706	0.000	0.706	0.000	0.706	0.000	0.000	0.000	0.000	0.000	2.118	1
WIND MACHINE*	1.759	1.759	1.755	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.759	7.031	1
PICKUP 3/4 TON	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	1.200	1
TOTALS	1.859	2.581	2.561	1.438	1.159	2.850	0.806	0.100	0.732	0.100	0.806	1.859	16.849	

GALLONS FUEL BY TYPE  
 16.85 GAS  
 0.00 LP  
 0.00 DIESEL

FUEL TYPES  
 1=GAS  
 2=L.P.  
 3=DIESEL

BUDGET IDENTIFICATION NUMBER 2545400000 760 1  
 HARVEST OR SALE MONTH 7

BUDGET RECORD NUMBER 346

VALENCIA ORANGE 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	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 ORANGES, VALENCIA	0.00	0.00	0.00	50.00	60.00	60.00	60.00	60.00	60.00	50.00	0.00	0.00	2.500	0.000	26.	54.	2.	0.	
OPERATING INPUTS	RATE/UNIT																		
														PRICE	SHARE	UNIT	ITEM	TYPE	HARV
															RENT	CODE	CODE		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	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	0.13	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 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.	
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	0.00	50.00	60.00	60.00	60.00	60.00	60.00	50.00	0.00	0.00	0.500	0.000	26.	304.	3.	9.	
14 CUSTOM HAULING	0.00	0.00	0.00	50.00	60.00	60.00	60.00	60.00	60.00	50.00	0.00	0.00	0.250	0.000	26.	306.	3.	9.	
15 RED SCALE TREATA	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	# CREW	POWER	MACH	TYPE	HARV
	LABOR	UNIT	CODE								CODE
26 DRY FERT APPLIC.	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
28 500 GAL SPD SPRA	0.00	0.00	0.00	1.00	0.50	3.00	0.00	0.00	0.00	1.00	0.00
29 ROTARY CHOPPER	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
30 WIND MACHINE#	0.47	0.47	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.000
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	0.000
	SHARE	SHARE	POWER	SYSM							
	FIXED %	VAR %	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
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

EQUIPMENT REQUIREMENTS	NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX
	UNITS	OF COST		CODE		
51 FARM SHOP	1.000	1.000	0.	2.	5.	0.
52 TOOLS-SHOP 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	2750.00	55.00	30.0 2200.00

80 ACRE ORCHARD/BOX PRICE NOT DISCOUNTED FOR HARVEST COSTS  
 108 TREES PER ACRE TREES HEDGED EVERY FIFTH YEAR  
 DRIP IRRIGATION -GROUND WATER  
 MACHINERY COMPLEMENT 7  
 EQUIPMENT COMPLEMENT 1  
 UPDATED 02/28/80

GENERAL NAME CHANGE->	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE					
219 CALCIUM-NITRATE	394 HEDGE & SHRED	249 RED SCALE TREATA								
MACHNRY NAME CHANGE-> 91	500 GAL SPD SPRA									
PARAMETER CHGS-->	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE
18.		1.700000								

1950 default data