

TITLE: PRODUCTION COSTS & RETURNS FOR
TABLE GRAPES IN SAN BERNARDINO COUNTY

Grapes #366

GR-SI-78

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
GRAPES, TABLE	TON	260.000	6.000	1560.00	
TOTAL RECEIPTS:				\$ 1560.00	
2. VARIABLE COSTS:					
PREHARVEST:					
PRUNING	VINE	0.240	429.000	102.96	
BRUSH REMOVAL	ACRE	5.000	1.000	5.00	
TYE OR PROP	VINE	0.030	429.000	21.45	
NITROGEN	LBS.	0.300	50.000	15.00	
PWDY WILDEW CTL	APLC	2.200	10.000	22.00	
INSECTICIDE	ACRE	55.000	1.000	55.00	
NEMATOCIDE	APLC	42.000	0.330	13.86	
HERBICIDE	ACRE	55.000	1.000	55.00	
IRRIG DIST WATER	ACFT	40.000	3.990	159.60	
GIRDLING	ACRE	30.000	1.000	30.00	
BUDDING	ACRE	60.000	1.000	60.00	
THINNING	HOUR	3.300	41.000	135.30	
SEASONAL LABOR	HOUR	3.300	8.000	26.40	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			2.32	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			10.63	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			3.13	
IRRIGATION POWER COST	ACRE			12.57	
IRRIGATION (LUBE-REPAIRS)	ACRE			136.42	
IRRIGATION WATER APPLIED	ACIN	3.402	43.800		
MACHINERY LABOR	HOUR	5.100	4.735	24.15	
IRRIGATION LABOR	HOUR	4.250	1.250	5.31	
INTEREST ON OPERATING CAP.	DOL.	0.086	440.487	37.42	
TOTAL PREHARVEST COSTS:				\$ 933.51	
PREHARVEST COST PER TON				\$ 155.59	
HARVEST:					
HARVEST & HAUL	TON	56.000	6.000	336.00	
PACKING	TON	165.000	6.000	990.00	
INTEREST ON OPERATING CAP.	DOL.	0.086	276.250	23.84	
TOTAL HARVEST COSTS:				\$ 1349.84	
HARVEST COST PER TON				\$ 224.97	
TOTAL VARIABLE COSTS:				\$ 2283.35	
VARIABLE COST PER TON				\$ 380.56	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER TON				\$ -723.35	
				\$ -120.56	
4. CASH OVERHEAD:					
REAL PROPERTY TAXES:				50.00	
MISC. OFFICE & BOOKKEEPING (-2.50% OF TOTAL VARIABLE COSTS)				37.08	
TOTAL CASH OVERHEAD:				\$ 107.08	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER TON				\$ -830.44	
				\$ -138.41	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			10.51	
IRRIGATION SYSTEM	ACRE			26.21	
BUILDINGS	ACRE			7.71	
TREES, VINES OR STAND	ACRE			43.33	
TOTAL DEPRECIATION:				\$ 87.76	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.086	80.587	6.93	
IRRIGATION SYSTEM		0.086	343.388	29.63	
BUILDINGS		0.036	165.000	14.24	
TREES, VINES OR STAND		0.086	1300.000	112.19	
LAND		0.083	2000.000	165.00	
TOTAL INTEREST CHARGE:				\$ 328.02	
TOTAL FIXED COSTS:				\$ 415.78	
FIXED COST PER TON				69.30	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER TON				\$ 2806.22	
				467.70	
8. NET RETURNS:					
NET RETURNS PER TON				\$ -1246.22	
				-207.70	

BASED ON A 120 ACRE VINEYARD

06/30/78

BUDGET IDENTIFICATION NUMBER 2463600820 732 1
DATE PRINTED: 03/22/79

BUDGET RECORD NUMBER 366
HARVEST MONTH: 12

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	0.00	0.00	0.00	0.00	0.00	780.00	780.00	0.00	0.00	1560.00
OPERATING EXPENSES														
PRUNING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.96	102.96
BRUSH REMOVAL	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	5.00
TYE OR PROP	\$/AC	0.00	0.00	21.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.45
NITROGEN	\$/AC	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
PMDRY MILDEN CTL	\$/AC	0.00	0.00	4.40	4.40	4.40	6.60	2.20	0.00	0.00	0.00	0.00	0.00	22.00
INSECTICIDE	\$/AC	0.00	0.00	0.00	27.50	0.00	27.50	0.00	0.00	0.00	0.00	0.00	0.00	55.00
NEMATOCIDE	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.86	13.86
HERBICIDE	\$/AC	0.00	0.00	0.00	27.50	0.00	27.50	0.00	0.00	0.00	0.00	0.00	0.00	55.00
IRRIG DIST WATER	\$/AC	13.20	13.20	13.60	13.20	13.20	26.80	26.40	26.40	0.00	0.00	0.00	13.60	159.60
GIRDLING	\$/AC	0.00	0.00	0.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00
BUDDING	\$/AC	0.00	0.00	0.00	30.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00
THINNING	\$/AC	0.00	0.00	0.00	0.00	135.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	135.30
SEASONAL LABOR	\$/AC	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	0.00	0.00	0.00	0.00	26.40
HARVEST & HAUL	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.00	168.00	0.00	0.00	336.00
PACKING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	495.00	495.00	0.00	0.00	990.00
MACHINE LABOR COST	\$/AC	1.53	3.44	1.53	2.52	1.53	3.44	2.52	1.53	1.53	1.53	1.53	1.53	24.15
INTEREST ON OPER. CAP.	\$/AC	3.79	2.57	3.83	7.00	8.55	6.58	3.30	1.69	14.36	9.57	0.02	0.00	61.26
TRACTOR COST	\$/AC	0.00	0.76	0.00	0.40	0.00	0.76	0.40	0.00	0.00	0.00	0.00	0.00	2.32
EQUIPMENT COST	\$/AC	0.84	1.05	0.84	0.90	0.84	1.05	0.90	0.84	0.84	0.84	0.84	0.84	10.63
BLDG OPER. COST	\$/AC	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	3.13
IRRIGATION COST	\$/AC	13.47	13.47	13.88	13.47	13.47	27.35	26.94	26.94	0.00	0.00	0.00	0.00	148.99
IRRIG LABOR COST	\$/AC	0.53	0.53	0.53	0.00	0.53	1.06	1.06	1.06	0.00	0.00	0.00	0.00	5.31
TOTAL EXPENSES	\$/AC	51.93	38.59	63.62	130.45	181.38	162.20	97.27	62.02	679.99	675.20	2.65	138.05	2283.35

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC	0.30	0.67	0.30	0.49	0.30	0.67	0.49	0.30	0.30	0.30	0.30	0.30	4.73
IRRIGATION LABOR	HR/AC	0.13	0.13	0.13	0.00	0.13	0.25	0.25	0.25	0.00	0.00	0.00	0.00	1.25
IRRIG. WATER APPLIED	ACIN	3.96	3.96	4.08	3.96	3.96	8.04	7.92	7.92	0.00	0.00	0.00	0.00	43.80

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 50 HP	4	50.0	13300.	15.	300.	2.46	2.36	0.51	5.33	1.14	0.17	1.01	2.32	1.032
PICKUP 3/4 TON	15	0.8	8500.	7.	435.	6.24	3.17	0.66	10.07	6.96	1.04	2.08	10.08	3.000
IRR PUMP 50 HP*	22	2.0	8800.	25.	3200.	2.21	2.82	0.68	5.70	12.57	0.19	1.40	14.16	21.900
PERM SET SPRINK*	57	2.0	125750.	20.	5000.	24.01	26.82	6.20	57.02	0.00	2.64	132.16	134.83	21.900
4ROW CULTIVATOR	73	10.0	1700.	15.	50.	1.27	0.99	0.24	2.50	0.00	0.01	0.42	0.43	0.618
WD SPRYR 200 GAL	88	35.0	1700.	15.	60.	0.55	0.43	0.10	1.08	0.00	0.00	0.12	0.12	0.320
FARM SHOP	2		36000.	35.		7.71	14.24	3.38	25.33	3.00		0.13	3.13	

TOTAL INVESTMENT OR COST	195750.					44.43	50.83	11.76	107.02	23.67	4.06	137.33	165.06	
MACHINERY & EQUIPMENT	1631.													
INVESTMENT PER ACRE														

BASED ON A 120 ACRE VINEYARD

BUDGET IDENTIFICATION NUMBER 2463600820 732 1
 HARVEST OR SALE MONTH 6

BUDGET RECORD NUMBER 366

PRODUCTION COSTS & RETURNS FOR
 TABLE GRAPES IN SAN BERNARDINO COUNTY

COSTS AND RETURNS WILL BE
 DIVIDED BY 6.0 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	
	NUMBER OF UNITS																		
1 GRAPES, TABLE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	3.00	0.00	0.00	260.000	0.000	3.	46.	2.	0.	
OPERATING INPUTS	RATE/UNIT												PRICE	SHARE	UNIT	ITEM	TYPE	HARV	
													RENT	RENT	CODE	CODE		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	429.00	0.240	0.000	25.	340.	3.	0.
7 BRUSH REMOVAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	5.000	0.000	7.	313.	3.	0.	
8 TYE OR PROP	0.00	0.00	429.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.050	0.000	25.	342.	3.	0.	
9 NITROGEN	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.300	0.000	12.	211.	3.	0.	
10 PWDRY MILDW CTL	0.00	0.00	2.00	2.00	2.00	3.00	1.00	0.00	0.00	0.00	0.00	0.00	2.200	0.000	34.	239.	3.	0.	
11 INSECTICIDE	0.00	0.00	0.00	0.50	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	55.000	0.000	7.	240.	3.	0.	
12 NEMATOCIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	42.000	0.000	34.	236.	3.	0.	
13 HERBICIDE	0.00	0.00	0.00	0.50	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	55.000	0.000	7.	250.	3.	0.	
14 IRRIG DIST WATER	0.33	0.33	0.34	0.33	0.33	0.67	0.66	0.66	0.00	0.00	0.00	0.34	40.000	0.000	30.	323.	3.	0.	
15 GIRDLING	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	30.000	0.000	7.	341.	3.	0.	
16 BUDDING	0.00	0.00	0.00	0.50	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	60.000	0.000	7.	348.	3.	0.	
17 THINNING	0.00	0.00	0.00	0.00	41.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.300	0.000	8.	339.	3.	0.	
18 SEASONAL LABOR	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	3.300	0.000	8.	330.	3.	0.	
19 HARVEST & HAUL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	3.00	0.00	0.00	56.000	0.000	3.	318.	3.	9.	
20 PACKING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	3.00	0.00	0.00	165.000	0.000	3.	345.	3.	9.	
MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												# CREW	POWER	MACH	TYPE	HARV		
													LABOR	UNIT	CODE		CODE		
26 4ROW-CULTIVATOR	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	73.	4.	0.	
27 SP SPRAYER	0.00	0.00	2.00	2.00	2.00	3.00	1.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	37.	4.	0.	
28 WD SPRYR 200 GAL	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	88.	4.	0.	
29 PICKUP 3/4 TON	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	0.000	0.000	0.	15.	4.	0.	
49 ACIN IRRIG WATER	3.96	3.96	4.08	3.96	3.96	8.04	7.92	7.92	0.00	0.00	0.00	0.00	0.00	0.00	22.	57.	40.		
50 NO. TIMES IRRIG	1.00	1.00	1.00	0.00	1.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00							
EQUIPMENT REQUIREMENTS													NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX	
													UNITS	OF COST	CODE	CODE			
51 FARM SHOP													1.000	1.000	0.	2.	5.	0.	
LAND REQUIREMENTS	CHARGE	NUMBER		VALUE OR		TAXES		PERENNIAL CROPS											
	METHOD	OF ACRES	COST/ACRE	OF ACRES	COST/ACRE	PER ACRE	YRS LIFE	COST/ACRE											
71	1.	120.00	2000.00			50.00	30.0	2600.00											

BASED ON A 120 ACRE VINEYARD

MACHINERY COMPLEMENT 7
 EQUIPMENT COMPLEMENT 1

06/30/78

NO NAME CHANGES HAVE BEEN STORED WITH THIS BUDGET

UC Cooperative Extension

NO COMPLEMENT CHANGES HAVE BEEN STORED WITH THIS BUDGET