

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
GROSS RECEIPTS FROM PRODUCTION:					
GRAPES, WINE	TON	550.000	4.000	2200.00	
TOTAL RECEIPTS:				\$ 2200.00	
2. VARIABLE COSTS:					
PREHARVEST:					
PRUNING	VINE	0.250	520.000	130.00	
TYE OR PROP	VINE	0.100	520.000	52.00	
BRUSH REMOVAL	ACRE	8.000	1.000	8.00	
RODENT CONTROL	MO.	1.667	12.000	20.00	
SULPHUR	ACRE	17.700	1.000	17.70	
INSECTICIDE	ACRE	25.000	1.000	25.00	
NUTRIENT SPRAY	ACRE	15.000	1.000	15.00	
HERBICIDE	ACRE	7.500	2.000	15.00	
FROST PROTECTION	MO.	25.000	3.000	75.00	
MISCL EXPENSE	MO.	7.000	12.000	84.00	
FOREMAN	MO.	4.000	12.000	48.00	
NITROGEN	LBS.	0.250	40.000	10.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			43.50	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			13.65	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			0.20	
IRRIGATION (POWER-LUBE-REP)	ACIN	13.024	6.000	78.14	
MACHINERY LABOR	HOUR	7.000	8.677	60.74	
IRRIGATION LABOR	HOUR	7.000	4.900	34.30	
INTEREST ON OPERATING CAP.	DOL.	0.140	378.655	51.64	
TOTAL PREHARVEST COSTS:				\$ 781.87	
PREHARVEST COST PER TON				\$ 195.4685	
HARVEST:					
HAND HARVEST	TON	90.000	4.000	360.00	
CUSTOM HAULING	TON	20.000	4.000	80.00	
TOTAL HARVEST COSTS:				\$ 440.00	
HARVEST COST PER TON				\$ 110.0000	
TOTAL VARIABLE COSTS:				\$ 1221.87	
VARIABLE COST PER TON				\$ 305.4685	
3. INCOME ABOVE VARIABLE COSTS:				\$ 978.13	
INCOME PER TON				\$ 244.5315	
4. CASH OVERHEAD:					
REAL PROPERTY TAXES:				85.00	
MISC. OFFICE & BOOKKEEPING (5.50% OF TOTAL VARIABLE COSTS)				67.20	
TOTAL CASH OVERHEAD:				\$ 152.20	
OVERHEAD COST PER TON				38.0508	
5. INCOME ABOVE ALL CASH COSTS:				\$ 825.92	
INCOME PER TON				\$ 206.4807	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			43.68	
IRRIGATION SYSTEM	ACRE			8.62	
BUILDINGS	ACRE			9.81	
TREES, VINES OR STAND	ACRE			222.78	
TOTAL DEPRECIATION:				\$ 284.89	
CAPITAL & INTEREST:					
MACHINERY&EQUIPMENT		0.140	451.450	63.20	
IRRIGATION SYSTEM		0.140	90.230	12.63	
BUILDINGS		0.107	134.550	14.36	
TREES, VINES OR STAND		0.107	6683.370	356.56	
LAND		0.107	3500.000	373.45	
TOTAL INTEREST CHARGE:				\$ 820.20	
TOTAL FIXED COSTS:				\$ 1105.09	
FIXED COST PER TON				276.2733	
7. TOTAL OF ABOVE COSTS:				\$ 2479.17	
TOTAL COST PER TON				619.7926	
8. NET RETURNS:				\$ -279.17	
NET RETURNS PER TON				-69.7926	

Temporary Run?

in sec 24's etc

520 VINES PER ACRE ON 7 X 12 SPACING
 DRIP IRRIGATION SYSTEM
 HAND HARVESTED GRAPES

UC Cooperative Extension

BUDGET IDENTIFICATION NUMBER 2474000000 780 1
 DATE PRINTED: 04/26/80

BUDGET RECORD NUMBER 319
 HARVEST MONTH: 10

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	0.00	0.00	2200.00	0.00	0.00	2200.00
OPERATING EXPENSES															
PRUNING	\$/AC	65.00	65.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	130.00
TYE OR PROP	\$/AC	26.00	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00
BRUSH REMOVAL	\$/AC	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00
RODENT CONTROL	\$/AC	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	20.00
SULPHER	\$/AC	0.00	0.00	0.00	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.70
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	0.00	25.00
NUTRIENT SPRAY	\$/AC	0.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
HERBICIDE	\$/AC	0.00	7.50	0.00	0.00	0.00	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	15.00
FROST PROTECTION	\$/AC	25.00	25.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.00
MISCL EXPENSE	\$/AC	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	84.00
FOREMAN	\$/AC	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	48.00
NITROGEN	\$/AC	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00
HAND HARVEST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00	360.00
CUSTOM HAULING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.00	0.00	0.00	0.00	80.00
MACHINE LABOR COST	\$/AC	0.00	8.47	0.00	16.07	10.79	8.47	8.47	8.47	0.00	0.00	0.00	0.00	0.00	60.74
INTEREST ON OPER. CAP.	\$/AC	13.29	13.94	5.18	5.84	4.38	2.61	2.20	0.97	0.14	0.00	1.62	1.46	0.00	51.64
TRACTOR COST	\$/AC	0.00	6.34	0.00	10.06	8.08	6.34	6.34	6.34	0.00	0.00	0.00	0.00	0.00	43.50
EQUIPMENT COST	\$/AC	0.00	1.72	0.00	4.76	2.00	1.72	1.72	1.72	0.00	0.00	0.00	0.00	0.00	13.65
BLDG OPER. COST	\$/AC	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.20
IRRIGATION COST	\$/AC	0.00	0.00	14.65	0.00	14.65	19.54	19.54	9.77	0.00	0.00	0.00	0.00	0.00	78.14
IRRIG LABOR COST	\$/AC	0.00	0.00	4.90	0.00	4.90	9.80	9.80	4.90	0.00	0.00	0.00	0.00	0.00	34.30
TOTAL EXPENSES	\$/AC	141.97	166.66	70.42	92.12	82.48	61.17	68.25	44.85	12.82	452.68	14.30	14.14	1221.87	

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC	0.00	1.21	0.00	2.30	1.54	1.21	1.21	1.21	0.00	0.00	0.00	0.00	8.68
IRRIGATION LABOR	HR/AC	0.00	0.00	0.70	0.00	0.70	1.40	1.40	0.70	0.00	0.00	0.00	0.00	4.90
IRRIG. WATER APPLIED	ACIN	0.00	0.00	1.13	0.00	1.13	1.50	1.50	0.75	0.00	0.00	0.00	0.00	6.00

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 80 HP	5	80.0	20760.	15.	300.	28.03	43.67	11.75	83.45	27.82	4.17	11.51	43.50	7.546
PICKUP 3/4 TON	15	0.8	10200.	7.	435.	0.78	0.65	0.17	1.60	1.51	0.23	0.26	2.00	0.314
IRR PUMP 125 HP	24	3.0	18950.	25.	2133.	1.95	4.05	1.20	7.20	66.86	1.00	0.60	68.46	6.000
DRIP IRRIG SYST*	56	1.0	78900.	10.	5000.	6.67	8.59	2.13	17.39	0.00	0.19	9.49	9.68	6.000
DISC-TANDEM	82	5.0	3240.	15.	120.	9.76	12.43	3.65	25.84	0.00	0.20	10.13	10.33	6.000
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
DUSTING RIG	87	10.0	3850.	15.	50.	1.47	1.85	0.54	3.86	0.00	0.01	0.59	0.60	0.314
WD SPRYK 500 GAL	89	15.0	5040.	15.	50.	3.32	4.23	1.24	8.80	0.00	0.01	0.55	0.56	0.547
TOOLS-SHOP EQUIP	4		12285.	15.		5.73	8.52	1.23	15.48	0.00		0.16	0.16	
STORAGE SHED	7		8190.	35.		2.11	4.81	0.82	7.73	0.00		0.01	0.01	
MISCL ORCH EQUIP	55		1755.	8.		1.97	1.03	0.18	3.18	0.00		0.02	0.02	

MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE

	1641.		62.11	90.19	23.01	175.32	96.19	5.82	33.49	135.49
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TOTAL INVESTMENT 164130.

520 VINES PER ACRE ON 7 X 12 SPACING
 DRIP IRRIGATION SYSTEM
 HAND HARVESTED GRAPES

SAMPLE COSTS TO PRODUCE WINE GRAPES
SAN LUIS OBISPO COUNTY
1980

BY JOHN H. FOOTT
FARM ADVISOR

FUEL USED IN GALLONS PER HOUR

TRACTOR 80 HP 3.840
PICKUP 3/4 TON 4.000
IRR PUMP 125 HP 1.592

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
PICKUP 3/4 TON	0.200	
IRR PUMP 125 HP	0.531	
DISC-TANDEM	4.224	TRACTOR 80 HP
DRY FERT APPLIC.	1.320	TRACTOR 80 HP
WD SPRYR 500 GAL	1.156	TRACTOR 80 HP
DUSTING RIG	1.383	PICKUP 3/4 TON

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
DISC-TANDEM	0.000	4.224	0.000	4.224	4.224	4.224	4.224	4.224	0.000	0.000	0.000	0.000	25.344	3
DRY FERT APPLIC.	0.000	0.000	0.000	1.320	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.320	3
WD SPRYR 500 GAL	0.000	0.000	0.000	1.156	1.156	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.312	3
DUSTING RIG	0.000	0.000	0.000	1.383	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.383	1
TOTALS	0.000	4.224	0.000	8.083	5.380	4.224	4.224	4.224	0.000	0.000	0.000	0.000	30.358	

GALLONS FUEL BY TYPE
1.38 GAS
0.00 LP
28.98 DIESEL

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

SAMPLE COSTS TO PRODUCE WINE GRAPES
SAN LUIS OBISPO COUNTY
1980

BY JOHN H. FOOTT
FARM ADVISOR

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., PER ACRE	FIXED REP. COSTS PER ACRE
DISC-TANDEM	5,	82 FEB	1.00	1.210	1.000	8.06	16.47
DISC-TANDEM	5,	82 APR	1.00	1.210	1.000	8.06	16.47
DRY FERT APPLIC.	5,	85 APR	1.00	0.378	0.313	2.14	4.60
WD SPRYR 500 GAL	5,	89 APR	1.00	0.331	0.274	2.01	7.73
DUSTING RIG	15,	87 APR	1.00	0.380	0.314	2.80	5.62
DISC-TANDEM	5,	82 MAY	1.00	1.210	1.000	8.06	16.47
WD SPRYR 500 GAL	5,	89 MAY	1.00	0.331	0.274	2.01	7.73
DISC-TANDEM	5,	82 JUNE	1.00	1.210	1.000	8.06	16.47
DISC-TANDEM	5,	82 JULY	1.00	1.210	1.000	8.06	16.47
DISC-TANDEM	5,	82 AUG	1.00	1.210	1.000	8.06	16.47
TOTALS			8.681	7.174	57.35	124.50	

520 VINES PER ACRE ON 7 X 12 SPACING
DRIP IRRIGATION SYSTEM
HAND HARVESTED GRAPES

UC Cooperative Extension

INCOME ABOVE VARIABLE COSTS WHEN THE PRICE OF GRAPES, WINE AND THE QUANTITY OF GRAPES, WINE		RANGES FROM RANGES FROM	450.00 TO 3.00 TO	650.00 5.00			
		PRICE OF GRAPES, WINE	450.00	500.00	550.00	600.00	650.00

QUANTITY OF GRAPES, WIN	3.00 *	128.13	278.13	428.13	578.13	728.13	
	*						
	3.50 *	353.13	528.13	703.13	878.13	1053.13	
	*						
	4.00 *	578.13	778.13	978.13	1178.13	1378.13	
	*						
4.50 *	803.13	1028.13	1253.13	1478.13	1703.13		
*							
5.00 *	1028.13	1278.13	1528.13	1778.13	2028.13		
*							

INCOME ABOVE ALL CASH COSTS WHEN THE PRICE OF GRAPES, WINE AND THE QUANTITY OF GRAPES, WINE		RANGES FROM RANGES FROM	450.00 TO 3.00 TO	650.00 5.00			
		PRICE OF GRAPES, WINE	450.00	500.00	550.00	600.00	650.00

QUANTITY OF GRAPES, WIN	3.00 *	-24.08	125.92	275.92	425.92	575.92	
	*						
	3.50 *	200.92	375.92	550.92	725.92	900.92	
	*						
	4.00 *	425.92	625.92	825.92	1025.92	1225.92	
	*						
4.50 *	650.92	875.92	1100.92	1325.92	1550.92		
*							
5.00 *	875.92	1125.92	1375.92	1625.92	1875.92		
*							

INCOME ABOVE ALL COSTS WHEN THE PRICE OF GRAPES, WINE AND THE QUANTITY OF GRAPES, WINE		RANGES FROM RANGES FROM	450.00 TO 3.00 TO	650.00 5.00			
		PRICE OF GRAPES, WINE	450.00	500.00	550.00	600.00	650.00

QUANTITY OF GRAPES, WIN	3.00 *	-1129.17	-979.17	-829.17	-679.17	-529.17	
	*						
	3.50 *	-904.17	-729.17	-554.17	-379.17	-204.17	
	*						
	4.00 *	-679.17	-479.17	-279.17	-79.17	120.83	
	*						
4.50 *	-454.17	-229.17	-4.17	220.83	445.83		
*							
5.00 *	-229.17	20.83	270.83	520.83	770.83		
*							

BUDGET RECORD NUMBER 319
520 VINES PER ACRE ON 7 X 12 SPACING
DRIP IRRIGATION SYSTEM
HAND HARVESTED GRAPES

UC Cooperative Extension