

TITLE: WINE GRAPE PRODUCTION COSTS AND RETURNS
 CARIGNANE VARIETY
 OWNER OPERATED VINEYARD

NORTH COAST COUNTIES 1978
 BY BRUCE E. BEARDEN,

GR-NC-78-2

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
CARIGNANE	TON	275.000	7.000	1925.00	
TOTAL RECEIPTS:				\$	1925.00
2. VARIABLE COSTS:					
PREHARVEST:					
PRUNING	VINE	0.200	413.000	82.60	
BRUSH REMOVAL	ACRE	5.000	1.000	5.00	
SULPHUR	ACRE	13.000	1.000	13.00	
INSECTICIDE	ACRE	23.500	1.000	23.50	
NITROGEN	LBS.	0.250	30.000	7.50	
TYE OR PROP	ACRE	19.000	1.000	19.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			8.72	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			12.86	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			0.43	
MACHINERY LABOR	HOUR	5.100	7.867	40.12	
INTEREST ON OPERATING CAP.	DOL.	0.086	104.692	8.88	
TOTAL PREHARVEST COSTS:				\$	221.60
PREHARVEST COST PER TON				\$	31.66
HARVEST:					
HAND HARVEST	TON	55.000	7.000	385.00	
CUSTOM HAULING	TON	10.000	7.000	70.00	
TOTAL HARVEST COSTS:				\$	455.00
HARVEST COST PER TON				\$	65.00
TOTAL VARIABLE COSTS:				\$	676.60
VARIABLE COST PER TON				\$	96.66
INCOME ABOVE VARIABLE COSTS:				\$	1248.40
INCOME PER TON				\$	178.34
4. CASH OVERHEAD:					
REAL PROPERTY TAXES:					170.00
MISC. OFFICE & BOOKKEEPING (2.50% OF TOTAL VARIABLE COSTS)					16.91
MANAGEMENT (5.00% OF GROSS RECEIPTS)					96.25
TOTAL CASH OVERHEAD:				\$	283.16
5. INCOME ABOVE ALL CASH COSTS:				\$	965.24
INCOME PER TON				\$	137.89
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			18.77	
BUILDINGS	ACRE			26.85	
TREES, VINES OR STAND	ACRE			62.50	
TOTAL DEPRECIATION:				\$	108.11
CAPITAL & INTEREST:					
MACHINERY&EQUIPMENT		0.086	169.204	14.60	
BUILDINGS		0.086	488.000	42.11	
TREES, VINES OR STAND		0.086	2500.000	215.75	
LAND		0.083	2500.000	206.25	
TOTAL INTEREST CHARGE:				\$	478.72
TOTAL FIXED COSTS:				\$	586.83
FIXED COST PER TON					83.83
7. TOTAL OF ABOVE COSTS:				\$	1546.59
TOTAL COST PER TON					220.94
NET RETURNS:				\$	378.41
NET RETURNS PER TON					54.06

BASED ON A 40 ACRE VINEYARD WITH CANE PRUNED
 TRELLIS SYSTEM AND NON-IRRIGATED.

UPDATED 09/14/78

BUDGET IDENTIFICATION NUMBER 2472300000 782 1
 DATE PRINTED: 03/16/79

BUDGET RECORD NUMBER 344
 HARVEST MONTH: 10

UC Cooperative Extension

MONTHLY SUMMARY OF RECEIPTS AND EXPENSES

CATEGORY	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL RECEIPTS	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1925.00	0.00	0.00	1925.00
OPERATING EXPENSES														
PRUNING	\$/AC	0.00	82.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.60
BRUSH REMOVAL	\$/AC	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
SULPHUR	\$/AC	0.00	0.00	0.00	3.25	3.25	3.25	3.25	0.00	0.00	0.00	0.00	0.00	13.00
INSECTICIDE	\$/AC	0.00	0.00	0.00	0.00	0.00	23.50	0.00	0.00	0.00	0.00	0.00	0.00	23.50
NITROGEN	\$/AC	0.00	0.00	0.00	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.50
HAND HARVEST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	385.00	0.00	0.00	385.00
TYE OR PROP	\$/AC	0.00	0.00	0.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.00
CUSTOM HAULING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.00	0.00	0.00	70.00
MACHINE LABOR COST	\$/AC	1.53	1.53	1.53	4.14	4.14	4.14	4.14	3.65	7.70	4.35	1.53	1.53	40.12
INTEREST ON OPER. CAP.	\$/AC	0.15	5.11	0.12	1.23	0.61	0.94	0.21	0.08	0.08	0.00	0.19	0.17	8.88
TRACTOR COST	\$/AC	0.00	0.00	0.00	1.05	1.05	1.05	1.05	0.85	2.47	1.21	0.00	0.00	8.72
EQUIPMENT COST	\$/AC	0.84	0.84	0.84	1.52	1.52	1.52	1.52	0.90	0.84	0.86	0.84	0.84	12.86
BLDG OPER. COST	\$/AC	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.43
TOTAL EXPENSES	\$/AC	2.56	95.11	2.53	30.22	18.10	34.43	10.20	5.51	11.13	461.65	2.59	2.58	676.60

MONTHLY IRRIGATION AND LABOR REQUIREMENTS

MACHINE LABOR	HR/AC	0.30	0.30	0.30	0.81	0.81	0.81	0.81	0.72	1.51	0.89	0.30	0.30	7.87
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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.	9.23	8.86	1.93	20.03	4.28	0.64	3.79	8.72	3.879
TRUCK 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
GONDOLAS	42	5.0	960.	10.	200.	0.19	0.12	0.03	0.33	0.00	0.00	0.02	0.02	0.489
DISC-OFFSET	77	8.0	2400.	15.	125.	1.81	1.42	0.34	3.56	0.00	0.04	1.98	2.02	1.563
DUSTER	90	35.0	12600.	15.	100.	0.95	0.74	0.18	1.87	0.00	0.01	0.67	0.68	0.131
ROTOR CHOPPER	124	6.0	1200.	15.	70.	0.36	0.28	0.07	0.70	0.00	0.00	0.06	0.06	0.344
FARM SHOP	2		0.	35.		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SHOP TOOLS & EQUIP	4		10500.	15.		12.25	14.72	2.95	29.93	0.00		0.35	0.35	
STORAGE SHED	8		22500.	35.		14.46	26.70	6.33	47.49	0.00		0.08	0.08	
FUELTANK 550 GAL	18		400.	30.		0.13	0.69	0.11	0.94	0.00		0.00	0.00	

TOTAL INVESTMENT OR COST	71760.					45.61	56.72	12.59	114.92	11.24	1.74	9.02	22.00
MACHINERY & EQUIPMENT	1794.												
INVESTMENT PER ACRE													

BASED ON A 40 ACRE VINEYARD WITH CANE PRUNED
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INCOME ABOVE VARIABLE COSTS

WHEN THE PRICE OF CARIGNANE RANGES FROM 225.00 TO 325.00
 AND THE QUANTITY OF CARIGNANE RANGES FROM 5.00 TO 9.00

QUANTITY OF CARIGNANE	PRICE OF CARIGNANE				
	225.00	250.00	275.00	300.00	325.00
5.00	448.40	573.40	698.40	823.40	948.40
6.00	673.40	823.40	973.40	1123.40	1273.40
7.00	898.40	1073.40	1248.40	1423.40	1598.40
8.00	1123.40	1323.40	1523.40	1723.40	1923.40
9.00	1348.40	1573.40	1798.40	2023.40	2248.40

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COSTS AND RETURNS WILL BE
 DIVIDED BY 7.0 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		
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	SHARE	UNIT	ITEM	TYPE	XXXX		
PRODUCTION					NUMBER OF UNITS															
1 CARIQNAE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	275.000	0.000	3.	47.	2.	0.		
OPERATING INPUTS					RATE/UNIT								PRICE	SHARE	UNIT	ITEM	TYPE	HARV		
6 PRUNING	0.00	413.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.200	0.000	25.	340.	3.	0.		
7 BRUSH REMOVAL	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.000	0.000	7.	313.	3.	0.		
8 SULPHUR	0.00	0.00	0.00	0.25	0.25	0.25	0.25	0.00	0.00	0.00	0.00	0.00	13.000	0.000	7.	224.	3.	0.		
9 INSECTICIDE	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	23.500	0.000	7.	240.	3.	0.		
10 NITROGEN	0.00	0.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.250	0.000	12.	211.	3.	0.		
11 HAND HARVEST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	55.000	0.000	3.	347.	3.	9.		
12 TYE OR PROP	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.000	0.000	7.	342.	3.	0.		
13 CUSTOM HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	10.000	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 TRACTOR 50 HP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.000	0.000	0.	4.	4.	0.		
27 DISC-OFFSET	0.00	0.00	0.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	77.	4.	0.		
28 ROTARY CHOPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	124.	4.	0.		
29 DUSTER	0.00	0.00	0.00	0.25	0.25	0.25	0.25	0.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	90.	4.	0.		
30 GONDOLAS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.000	0.000	4.	42.	4.	0.		
31 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.		
													SHARE	SHARE	POWER	SYSM				
													FIXED %	VAR %	UNIT	CODE	LIFT			
49 ACIN IRRIG WATER	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.	0.			
50 NO. TIMES IRRIG	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
EQUIPMENT REQUIREMENTS															NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX
															UNITS	OF COST		CODE		
51 FARM SHOP															0.000	0.000	0.	2.	5.	0.
52 SHOP TOOLS&EQUIP															1.000	1.000	0.	4.	5.	0.
53 STORAGE SHED															1.000	1.000	0.	8.	5.	0.
54 FUELTANK 550 GAL															1.000	1.000	0.	18.	5.	0.
LAND REQUIREMENTS					CHARGE		NUMBER	VALUE OR	TAXES	PERENNIAL CROPS										
					METHOD		OF ACRES	COST/ACRE	PER ACRE	YRS LIFE	COST/ACRE									
71					1.		40.00	2500.00	170.00	40.0	3000.00									

BASED ON A 40 ACRE VINEYARD WITH CANE PRUNED
 TRELIS SYSTEM AND NON-IRRIGATED.

MACHINERY COMPLEMENT 7
 EQUIPMENT COMPLEMENT 1

UPDATED 09/14/78

LINE CHANGE LINE CHANGE LINE CHANGE LINE CHANGE LINE CHANGE
 MACHNRY NAME CHANGE-> 90 DUSTER 42 GONDOLAS

NO-COMPLEMENT-CHANGES-HAVE-BEEN-STORED-WITH-THIS-BUDGET