

COST & RETURNS SUMMARY FOR GRAPES, WINE
 COSTS OF PRODUCTION FOR A VINEYARD, ZINFANDEL GRAPES
 MADOR COUNTY
 1980

BY DIANA DOUGLAS, SRA
 BOB PLAISTER, FARM ADVISOR

GR-IR-80-3

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	TOTAL COST
1. GROSS RECEIPTS FROM PRODUCTION:					
GRAPES, WINE	TON	500.000	4.000	2000.00	
TOTAL RECEIPTS:					2000.00
2. VARIABLE COSTS:					
PREHARVEST:					
PRUNING	HR	4.600	13.000	59.80	
NITROGEN	LBS.	0.350	30.000	10.50	
BORAX	ACRE	18.820	0.330	6.21	- applied every 3 years
PWDRT MILDEN CTL	LBS.	0.070	45.000	3.15	33.6 lbs @ \$.56/lb
HTICIDE	LBS.	0.080	30.000	2.40	
SUPERVISION	ACRE	10.000	1.000	10.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			40.28	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			163.52	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			0.23	
MACHINERY LABOR	HR	5.600	40.391	226.19	
INTEREST ON OPERATING CAP.	DOL.	0.14000	229.083	31.16	
TOTAL PREHARVEST COSTS:					553.43
PREHARVEST COST PER TON					138.3582
HARVEST:					
PICKING	TON	40.000	4.000	160.00	
CHECKER	ACRE	4.600	0.300	1.38	
HAULING	TON	20.000	4.000	80.00	
FORKLIFT RENTAL	ACRE	12.400	1.000	12.40	
TOTAL HARVEST COSTS:					253.78
HARVEST COST PER TON					63.4450
TOTAL VARIABLE COSTS:					807.21
VARIABLE COST PER TON					201.8032
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER TON					1192.79
					298.1968
4. OVERHEAD:					
PERSONAL PROPERTY TAXES:					31.44
REAL PROPERTY TAXES:					30.00
TOTAL OVERHEAD:					61.44
OVERHEAD COST PER TON					15.3591
TOTAL CASH COSTS:					868.65
TOTAL CASH COST PER TON					217.1622
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER TON					1131.35
					282.8378
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			106.32	
BUILDINGS	ACRE			27.08	
TREES, VINES OR STAND	ACRE			125.00	
TOTAL DEPRECIATION:					258.40
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.14000	839.277	117.50	
BUILDINGS		0.09750	353.110	34.43	
TREES, VINES OR STAND		0.09750	5000.000	243.75	
LAND		0.09750	3000.000	292.50	
TOTAL INTEREST CHARGE:					688.18
TOTAL FIXED COSTS:					946.58
FIXED COST PER TON					236.6439
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER TON					1815.22
					453.8061
8. NET RETURNS:					
NET RETURNS PER TON					184.78
					46.1939

25 ACRES OF 40 ACRE FARM, CERTIFIED ZINFANDEL
 FERTILIZE EVERY THIRD YEAR
 9X9 PLANTING
 DATE PRINTED: 02/19/82

HARVEST MONTH: 8

UPDATED 02/19/82
 BUDGET RECORD NUMBER 294

CASH FLOW & INVESTMENT SUMMARY FOR GRAPES, WINE

COSTS OF PRODUCTION FOR A VINEYARD, ZINFANDEL GRAPES
 ARADOR COUNTY
 1980

BY DIANA DOUGLAS, SRA
 BOB PLAISTER, FARA ADVISOR

BUDGET RECORD NUMBER 294

CATEGORY	UNIT	MONTHLY SUMMARY OF RECEIPTS AND EXPENSES												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
TOTAL RECEIPTS	\$/AC								2000.00					2000.00
OPERATING EXPENSES														
PRUNING	\$/AC		59.80											59.80
NITROGEN	\$/AC		10.50											10.50
BORAX	\$/AC		6.21											6.21
PWDRY MILDEW CTL	\$/AC					1.05	1.05	1.05						3.15
MITICIDE	\$/AC				1.20			1.20						2.40
SUPERVISION	\$/AC		10.00											10.00
PICKING	\$/AC								160.00					160.00
CHECKER	\$/AC								1.38					1.38
HAULING	\$/AC								80.00					80.00
FORKLIFT RENTAL	\$/AC								12.40					12.40
MACHINE LABOR COST	\$/AC	13.44	16.09	39.94	41.79	15.29	15.29	17.15	13.44	13.44	13.44	13.44	13.44	226.19
INTEREST ON OPER. CAP.	\$/AC	2.08	7.93	4.13	3.49	1.02	0.68	0.39	3.34	3.02	2.70	2.39		31.14
TRACTOR COST	\$/AC		1.44	16.44	17.59	1.15	1.15	2.30						40.28
EQUIPMENT COST	\$/AC	12.70	12.90	17.18	17.57	13.09	13.09	13.48	12.70	12.70	12.70	12.70	12.70	163.52
BLOG 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	0.23
TOTAL EXPENSES	\$/AC	28.24	125.10	77.71	81.66	31.62	31.28	35.58	279.94	29.50	29.18	28.86	28.55	807.21

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC	2.40	2.87	7.13	7.46	2.73	2.73	3.06	2.40	2.40	2.40	2.40	2.40	40.39

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	TOTAL	FUEL	LUBE	REPAIRS	TOTAL	
TRACTOR 50 HP	4	50.0	15960.	15.	300.	30.10	46.88	12.61	89.59	24.28	3.64	12.36	40.28	10.537
PICKUP 3/4 TON	15	0.8	10200.	7.	435.	59.88	49.44	12.66	121.99	115.20	17.28	19.94	152.42	24.000
DISC-OFFSET	76	4.0	1350.	15.	160.	2.38	3.41	0.95	6.74	0.00	0.12	6.14	6.26	5.000
DRY FERT APPLIC.	85	8.0	960.	15.	60.	0.38	0.48	0.14	1.00	0.00	0.00	0.20	0.20	0.391
WD SPRYR 500 GAL	89	15.0	7000.	15.	50.	11.54	14.70	4.31	30.55	0.00	0.04	1.90	1.93	1.368
SPRINGTOOTH	98	6.0	1680.	15.	140.	2.04	2.60	0.76	5.40	0.00	0.05	2.65	2.70	2.821
STORAGE SHED	8		12500.	35.		12.86	26.81	5.00	44.67	0.00		0.07	0.07	
FUEL TANK 550 GAL	18		293.	30.		0.16	0.91	0.12	1.19	0.00		0.00	0.00	
MISCL ORCH EQUIP	55		3125.	8.		14.06	6.70	1.25	22.02	0.00		0.16	0.16	
MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE			2123.			133.40	151.93	37.80	323.13	139.48	21.14	43.41	204.03	
TOTAL INVESTMENT			53068.											

25 ACRES OF 40 ACRE FARM, CERTIFIED ZINFANDEL
 FERTILIZE EVERY THIRD YEAR
 9X9 PLANTING
 DATE PRINTED: 02/19/82

UPDATED 02/19/82

FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 294
 COSTS OF PRODUCTION FOR A VINEYARD, ZINFANDEL GRAPES
 AMADOR COUNTY
 1980

BY DIANA DOUGLAS, SRA
 BOB PLAISTER, FARM ADVISOR

FUEL USED IN GALLONS PER HOUR

TRACTOR 50 HP 2.400
 PICKUP 3/4 TON 4.000

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
PICKUP 3/4 TON	0.200	
DISC-OFFSET	3.300	TRACTOR 50 HP
SPRINGTOOTH	1.862	TRACTOR 50 HP
DRY FERT APPLIC.	1.031	TRACTOR 50 HP
WD SPRYR 500 GAL	0.722	TRACTOR 50 HP

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
DISC-OFFSET	0.000	0.000	6.600	6.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.200	DIESEL
SPRINGTOOTH	0.000	0.000	3.723	3.723	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.446	DIESEL
PICKUP 3/4 TON	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	96.000	GAS
DRY FERT APPLIC.	0.000	1.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.031	DIESEL
WD SPRYR 500 GAL	0.000	0.000	0.000	0.722	0.722	0.722	1.445	0.000	0.000	0.000	0.000	0.000	3.612	DIESEL
TOTALS	8.000	9.031	18.323	19.045	8.722	8.722	9.445	8.000	8.000	8.000	8.000	8.000	121.289	

GALLONS FUEL BY TYPE

96.00 GAS
 0.00 LP
 25.29 DIESEL
 0.00 N. GAS
 0.00 KWRS

FUEL TYPES
 1=GAS
 2=L.P.
 3=DIESEL
 4=N. GAS
 5=ELEC.

25 ACRES OF 40 ACRE FARM, CERTIFIED ZINFANDEL

FERTILIZE EVERY THIRD YEAR

PLANTING

DATE PRINTED: 02/19/82

UPDATED 02/19/82

MACHINERY OPERATIONS SUMMARY

COSTS OF PRODUCTION FOR A VINEYARD, ZINFANDEL GRAPES

AMADOR COUNTY

1980

BUDGET RECORD NUMBER 294

BY DIANA DOUGLAS, SRA

BOB PLAISTER, FARM ADVISOR

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOUR S	MACHINE HOURS	FUEL, OIL, LUB. PER ACRE	FIXED REP. COSTS PER ACRE
PICKUP 3/4 TON		15 SEPT	40.00	2.400	2.000	12.70	10.17
PICKUP 3/4 TON		15 OCT	40.00	2.400	2.000	12.70	10.17
PICKUP 3/4 TON		15 NOV	40.00	2.400	2.000	12.70	10.17
PICKUP 3/4 TON		15 DEC	40.00	2.400	2.000	12.70	10.17
PICKUP 3/4 TON		15 JAN	40.00	2.400	2.000	12.70	10.17
PICKUP 3/4 TON		15 FEB	40.00	2.400	2.000	12.70	10.17
DRY FERT APPLIC.	4,	85 FEB	1.00	0.473	0.391	1.84	4.65
DISC-OFFSET	4,	76 MAR	2.00	3.025	2.500	13.64	26.75
SPRINGTOOTH	4,	98 MAR	2.00	1.706	1.410	7.28	15.89
PICKUP 3/4 TON		15 MAR	40.00	2.400	2.000	12.70	10.17
DISC-OFFSET	4,	7 APR	2.00	3.025	2.500	13.64	26.75
SPRINGTOOTH	4,	98 APR	2.00	1.706	1.410	7.28	15.89
PICKUP 3/4 TON		15 APR	40.00	2.400	2.000	12.70	10.17
WD SPRYR 500 GAL	4,	89 APR	1.00	0.331	0.274	1.54	8.67
PICKUP 3/4 TON		15 MAY	40.00	2.400	2.000	12.70	10.17
WD SPRYR 500 GAL	4,	89 MAY	1.00	0.331	0.274	1.54	8.67
PICKUP 3/4 TON		15 JUNE	40.00	2.400	2.000	12.70	10.17
WD SPRYR 500 GAL	4,	89 JUNE	1.00	0.331	0.274	1.54	8.67
PICKUP 3/4 TON		15 JULY	40.00	2.400	2.000	12.70	10.17
WD SPRYR 500 GAL	4,	89 JULY	2.00	0.662	0.547	3.07	17.34
PICKUP 3/4 TON		15 AUG	40.00	2.400	2.000	12.70	10.17
TOTALS			40.391	33.579	203.80	255.26	

25 ACRES OF 40 ACRE FARM, CERTIFIED ZINFANDEL

FERTILIZE EVERY THIRD YEAR

PLANTING

DATE PRINTED: 02/19/82

UPDATED 02/19/82

STORED DATA PAGE (NO CALCULATIONS) FOR GRAPES, WINE

BUDGET RECORD NUMBER 294

COSTS OF PRODUCTION FOR A VINEYARD, ZINFANDEL GRAPES
ARADOR COUNTY
1980

BY DIANA DOUGLAS, SRA
BOB PLAISTER, FARM ADVISOR

COSTS AND RETURNS WILL BE
DIVIDED BY 4.0 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	ITER	TYPE	XXXX
1 GRAPES, WINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	0.005000	0.000	3.	47.	2.	0.
OPERATING INPUTS																		
	RATE/UNIT												PRICE	SHARE	UNIT	ITER	TYPE	HARV
6 PRUNING	0.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.600	0.000	8.	340.	3.	0.
7 NITROGEN	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.350	0.000	12.	211.	3.	0.
8 BORAX	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.820	0.000	7.	226.	3.	0.
10 POWRY MILDW CTL	0.00	0.00	0.00	0.00	15.00	15.00	15.00	0.00	0.00	0.00	0.00	0.00	0.070	0.000	12.	239.	3.	0.
11 MITICIDE	0.00	0.00	0.00	15.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.080	0.000	12.	247.	3.	0.
12 SUPERVISION	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.000	0.000	7.	325.	3.	0.
13 PICKING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	40.000	0.000	3.	328.	3.	9.
14 CHECKER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	4.600	0.000	7.	334.	3.	9.
15 HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	20.000	0.000	3.	319.	3.	9.
16 FORKLIFT RENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	12.400	0.000	7.	469.	3.	9.

MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												A CREW	POWER	MACH	TYPE	HARV	
													LABOR	UNIT	CODE		CODE	
26 DISC-OFFSET	0.00	0.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	76.	4.	0.
27 SPRINGTOOTH	0.00	0.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	98.	4.	0.
28 PICKUP 3/4 TON	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	0.000	0.000	0.	15.	4.	0.
29 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	0.00	0.000	0.000	4.	85.	4.	0.
30 WD SPRYR 500 GAL	0.00	0.00	0.00	1.00	1.00	1.00	2.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	89.	4.	0.

EQUIPMENT REQUIREMENTS	NUMBER	PROPORTY	XXX	EQUIP	TYPE	XXXX
	UNITS	OF COST	CODE			
51 STORAGE SHED	1.000	0.625	0.	8.	5.	0.
52 FUEL TANK 550 GAL	1.000	0.625	0.	18.	5.	0.
53 MISCL ORCH EQUIP	1.000	0.625	0.	55.	5.	0.

LAND REQUIREMENTS	2	3	4	5	6	7	8
	CHARGE		NUMBER	VALUE OR	TAXES	PERENNIAL CROPS	
	METHOD		OF ACRES	COST/ACRE	PER ACRE	YRS LIFE	COST/ACRE
71 ENTERPRISE 2-47 REGION/COUNTY	1.	3	UNASSIGNED	25.00	3000.00	30.00	40.0
			00000		RACH CORP	7	IRIG SYST
						4	UNASSIGNED
						0	EQUIP SET
						1	HARVEST MONTH
						8	

25 ACRES OF 40 ACRE FARM, CERTIFIED ZINFANDEL
FERTILIZE EVERY THIRD YEAR
9X9 PLANTING

UPDATED 02/19/82
MACHINERY COMPLEMENT 7
EQUIPMENT COMPLEMENT 1

GENERAL NAME CHANGE	LINE CHANGE	VALUE	RM CL	VALUE	RM CL	VALUE	RM CL	VALUE	RM CL	VALUE	RM CL	VALUE
226 BORAX	325 SUPERVISION	7.000000	89.13	7.000000	76.13	1350.000000	98.2	6.000000	21.16	15.000000	85.2	8.000000
319 HAULING	334 CHECKER	5.000000	55.6	5.000000	8.2	2000.000000	8.5	2000.000000	8.6	2000.000000		
	469 FORKLIFT RENTAL	5.600000	11.	4.600000	12.	5.600000	26.	0.097500				
	328 PICKING											

DATE PRINTED: 02/19/82