

TITLE: PRODUCTION COSTS -- THOMPSON SEEDLESS GRAPES FOR RAISINS
SOUTHERN SAN JOAQUIN VALLEY AREA
BASED ON A MATURE PRODUCING VINYARD

1978

Grapes #310

GR-VS-78-2

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
GRAFES, RAISIN	TON	840.000	2.250	1890.00	
TOTAL RECEIPTS:				\$ 1890.00	
2. VARIABLE COSTS:					
PREHARVEST:					
PRUNING	VINE	0.170	519.000	88.23	
BRUSH REMOVAL	ACRE	4.000	1.000	4.00	
TYE OR PROP	ACRE	15.000	1.000	15.00	
NITROGEN	LBS.	0.300	50.000	15.00	
SULPHUR	LBS.	0.100	50.000	5.00	
INSECTICIDE	GAL.	0.150	300.000	45.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			13.19	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			13.05	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			3.27	
IRRIGATION POWER COST	ACRE			42.57	
IRRIGATION (LUBE-REPAIRS)	ACRE			131.27	
IRRIGATION WATER APPLIED	ACIN	4.139	42.000		
MACHINERY LABOR	HOUR	5.100	10.276	52.41	
IRRIGATION LABOR	HOUR	4.250	3.500	14.88	
INTEREST ON OPERATING CAP.	DOL.	0.086	155.916	13.15	
TOTAL PREHARVEST COSTS:				\$ 456.00	
PREHARVEST COST PER TON				\$ 198.26	
HARVEST:					
HAND HARVEST	TON	35.000	10.000	350.00	
TURN & ROLL	UNIT	11.600	9.000	104.40	
BOX & SHAKE	HOUR	7.000	4.000	28.00	
TRAYS	UNIT	0.027	460.000	12.42	
CROP INSURANCE	TON	5.000	2.250	11.25	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			1.13	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			0.10	
MACHINERY LABOR	HOUR	5.100	0.542	2.77	
INTEREST ON OPERATING CAP.	DOL.	0.086	48.788	4.21	
TOTAL HARVEST COSTS:				\$ 514.28	
HARVEST COST PER TON				\$ 223.60	
TOTAL VARIABLE COSTS:				\$ 970.28	
VARIABLE COST PER TON				\$ 421.86	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER TON				\$ 919.72	
				\$ 399.88	
4. CASH OVERHEAD:					
REAL PROPERTY TAXES:				\$ 60.00	
MISC. OFFICE & BOOKKEEPING (2.50% OF TOTAL VARIABLE COSTS)				24.26	
TOTAL CASH OVERHEAD:				\$ 84.26	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER TON				\$ 835.46	
				\$ 363.24	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			23.59	
IRRIGATION SYSTEM	ACRE			25.13	
BUILDINGS	ACRE			16.66	
TREES, VINES OR STAND	ACRE			56.66	
TOTAL DEPRECIATION:				\$ 122.05	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.086	221.340	19.10	
IRRIGATION SYSTEM		0.086	329.276	28.42	
BUILDINGS		0.086	327.667	28.28	
TREES, VINES OR STAND		0.086	2266.500	195.60	
LAND		0.083	2000.000	165.00	
TOTAL INTEREST CHARGE:				\$ 436.39	
TOTAL FIXED COSTS:				\$ 558.45	
FIXED COST PER TON				242.80	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER TON				\$ 1612.99	
				701.30	
8. NET RETURNS:					
NET RETURNS PER TON				\$ 277.01	
				120.44	

Historical Budget - 1978

120 ACRE PRODUCTION UNIT
GROUND WATER AND PERMANENT SET SPRINKLER SYSTEM
YIELD OF 2.25 DRY TONS PER ACRE

05/19/78

BUDGET IDENTIFICATION NUMBER 2451500820 782 1
DATE PRINTED: 03/22/79

BUDGET RECORD NUMBER 310
HARVEST MONTH: 9

PRODUCTION COSTS -- THOMPSON SEEDLESS GRAPES FOR RAISINS
SOUTHERN SAN JOAQUIN VALLEY AREA
BASED ON A MATURE PRODUCING VINYARD

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	0.00	0.00	0.00	1890.00
OPERATING EXPENSES															
PRUNING	\$/AC	0.00	88.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.23
BRUSH REMOVAL	\$/AC	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00
TYE OR PROP	\$/AC	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
NITROGEN	\$/AC	0.00	0.00	7.50	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
SULPHUR	\$/AC	0.00	0.00	0.00	1.25	1.25	1.25	1.25	0.00	0.00	0.00	0.00	0.00	0.00	5.00
INSECTICIDE	\$/AC	0.00	0.00	0.00	0.00	15.00	15.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00
HAND HARVEST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00	0.00	350.00
TURN & ROLL	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.20	52.20	0.00	0.00	0.00	104.40
BOX & SHAKE	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.00	0.00	0.00	0.00	0.00	28.00
TRAYS	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.42	0.00	0.00	0.00	0.00	12.42
CROP INSURANCE	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.25	0.00	0.00	0.00	0.00	0.00	11.25
MACHINE LABOR COST	\$/AC	2.08	1.53	12.51	3.37	14.35	3.37	5.87	3.46	3.42	1.53	1.53	0.15	0.15	55.17
INTEREST ON OPER. CAP.	\$/AC	0.21	4.70	1.72	1.18	2.02	1.60	1.11	0.31	0.01	4.32	0.17	0.02	0.02	17.36
TRACTOR COST	\$/AC	0.69	0.00	3.94	0.66	4.60	0.66	1.55	0.69	1.54	0.00	0.00	0.00	0.00	14.32
EQUIPMENT COST	\$/AC	0.53	0.82	1.27	0.97	2.10	1.65	1.77	1.27	1.04	0.82	0.82	0.08	0.08	13.15
BLDG OPER. COST	\$/AC	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	3.27
IRRIGATION COST	\$/AC	0.00	0.00	0.00	24.83	24.83	49.67	49.67	24.83	0.00	0.00	0.00	0.00	0.00	173.63
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	2.13	2.13	4.25	4.25	2.13	0.00	0.00	0.00	0.00	0.00	14.86
TOTAL EXPENSES	\$/AC	3.78	99.55	42.21	34.66	74.05	77.72	80.75	44.21	450.89	59.14	2.79	0.32	0.32	970.28

MONTHLY IRRIGATION AND LABOR REQUIREMENTS															
MACHINE LABOR	HR/AC	0.41	0.30	2.45	0.66	2.81	0.66	1.15	0.68	1.06	0.30	0.30	0.03	0.03	10.82
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	0.50	0.50	1.00	1.00	0.50	0.00	0.00	0.00	0.00	0.00	3.50
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	6.00	6.00	12.00	12.00	6.00	0.00	0.00	0.00	0.00	0.00	42.00

MACHINERY FIXED AND VARIABLE COSTS PER ACRE

MACHINE	CODE	SIZE	PURCHASE PRICE	YEARS OWNED	ANR HOURS USED	FIXED COST PER ACRE				VARIABLE COST PER ACRE				HRS PER ACRE
						DEPR.	INTER.	TAX \$/NS	TOTAL	FUEL	LUBE	REPAIRS	TOTAL	
TRACTOR 25 HP	2	25.0	6300.	15.	300.	0.30	0.29	0.06	0.66	0.23	0.04	0.12	0.39	0.269
TRACTOR 35 HP	3	35.0	8300.	15.	300.	9.74	9.36	2.04	21.14	7.99	1.20	4.00	13.19	6.360
TRACTOR 60 HP	5	60.0	17300.	15.	300.	0.69	0.67	0.15	1.51	0.40	0.06	0.28	0.74	0.224
PICKUP 1/2 TON	14	0.5	7500.	7.	435.	4.68	2.38	0.49	7.55	5.92	0.89	1.56	8.36	2.550
IRR PUMP 50 HP*	22	2.0	6800.	25.	3200.	2.11	2.70	0.65	5.47	42.57	0.64	1.34	44.55	21.000
TRAILER	44	5.0	2850.	15.	200.	0.20	0.17	0.04	0.41	0.00	0.00	0.07	0.07	0.244
PERM SET SPRINK*	57	2.0	125750.	20.	5000.	23.02	25.71	5.94	54.67	0.00	2.53	126.75	129.28	21.000
DISC-TANDEM	82	10.0	2700.	15.	120.	0.85	0.67	0.16	1.67	0.00	0.02	0.88	0.90	0.625
DUSTER 4 ROW	87	10.0	1000.	15.	50.	1.45	1.12	0.27	2.84	0.00	0.01	0.58	0.59	1.193
SPD SPYR 200 GAL	90	35.0	12000.	15.	100.	2.84	2.23	0.53	5.60	0.00	0.04	2.00	2.04	0.393
SCRAPER	104	10.0	2200.	15.	25.	1.08	0.85	0.20	2.13	0.00	0.00	0.03	0.03	0.204
TRI-PLANE 16X40	107	16.0	4500.	15.	150.	0.33	0.26	0.06	0.65	0.00	0.00	0.11	0.12	0.182
RB FLOW 5-16	116	6.7	650.	15.	80.	0.59	0.47	0.11	1.17	0.00	0.01	0.36	0.37	1.213
BUCK RAKE(BRUSH)	128	6.0	1000.	15.	200.	0.83	0.65	0.15	1.63	0.00	0.01	0.63	0.66	2.750
FARM SHOP	2		36000.	35.		7.71	14.24	3.38	25.33	3.00	0.13	3.13		
SHOP TOOLS&EQUIP	4		10500.	15.		4.08	4.91	0.98	9.98	0.00	0.12	0.12		
STORAGE SHED	8		22500.	35.		4.82	8.90	2.11	15.83	0.00	0.03	0.03		
FUELTANK 550 GAL	18		400.	30.		0.04	0.23	0.04	0.31	0.00	0.00	0.00		

TOTAL INVESTMENT OR COST	270250.	65.39	75.00	17.37	158.55	60.10	5.45	139.03	204.58
MACHINERY & EQUIPMENT	2252.								
INVESTMENT PER ACRE									

120 ACRE PRODUCTION UNIT
GROUND WATER AND PERMANENT SET SPRINKLER SYSTEM
YIELD OF 2.25 DRY TONS PER ACRE

05/19/78

BUDGET IDENTIFICATION NUMBER 2451500820 782 1
 HARVEST OR SALE MONTH 8

BUDGET RECORD NUMBER 310

PRODUCTION COSTS -- THOMPSON SEEDLESS GRAPES FOR RAISINS
 SOUTHERN SAN JOAQUIN VALLEY AREA
 BASED ON A MATURE PRODUCING VINYARD

COSTS AND RETURNS WILL BE
 DIVIDED BY 2.3 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
1 GRAPES, RAISIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	840.000	0.000	3.	45.	2.	0.
OPERATING INPUTS																		
	RATE/UNIT												PRICE	SHARE	UNIT	ITEM	TYPE	HARV
													RENT	RENT	CODE	CODE		CODE
12 PRUNING	0.00	519.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.170	0.000	25.	340.	3.	0.
13 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	4.000	0.000	7.	313.	3.	0.
14 TYE OR PROP	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.000	0.000	7.	342.	3.	0.
15 NITROGEN	0.00	0.00	25.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.300	0.000	12.	211.	3.	0.
16 SULPHER	0.00	0.00	0.00	12.50	12.50	12.50	12.50	0.00	0.00	0.00	0.00	0.00	0.100	0.000	12.	224.	3.	0.
17 INSECTICIDE	0.00	0.00	0.00	0.00	100.00	100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.150	0.000	5.	240.	3.	0.
21 HAND HARVEST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	35.000	0.000	3.	347.	3.	9.
22 TURN & ROLL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.50	4.50	0.00	0.00	11.600	0.000	22.	343.	3.	9.
23 BOX & SHAKE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	7.000	0.000	8.	344.	3.	9.
24 TRAYS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	7.000	0.000	8.	344.	3.	9.
25 CROP INSURANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	5.000	0.000	3.	452.	3.	9.

MACHINERY REQUIREMENTS	IMPLEMENTS =	TIMES OVER,	TRUCKS = #	MILES/ACRE,	TRACTORS =	HRS/ACRE	M	CREW	POWER	MACH	TYPE	HARV
	LABOR	UNIT	CODE	CODE								CODE
27 MB PLOW 5-16	0.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
28 BUCK RAKE(BRUSH)	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29 TRI-PLANE 16X40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
30 DUSTER 4 ROW	0.00	0.00	0.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
31 SPD SPYR 200 GAL	0.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
33 DISC-TANDEM	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
41 SCRAPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
42 TRAILER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
43 PICKUP 1/2 TON	0.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	0.50	0.00
49 ACIN IRRIG WATER	0.00	0.00	0.00	6.00	6.00	12.00	12.00	6.00	0.00	0.00	0.00	0.00
50 NO. TIMES IRRIG	0.00	0.00	0.00	1.00	1.00	2.00	2.00	1.00	0.00	0.00	0.00	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 SHOP TOOLS&EQUIP	1.000	1.000	0.	4.	5.	0.
53 STORAGE SHED	1.000	1.000	0.	8.	5.	0.
54 FUEL TANK 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.	120.00	2000.00	60.00	40.0 4533.00

120 ACRE PRODUCTION UNIT
 GROUND WATER AND PERMANENT SET SPRINKLER SYSTEM
 YIELD OF 2.25 DRY TONS PER ACRE

MACHINERY COMPLEMENT 7
 EQUIPMENT COMPLEMENT 1

05/19/78

NO NAME CHANGES HAVE BEEN STORED WITH THIS BUDGET

PARAMETER CHGS-->11.	RM CL	VALUE	RM CL	VALUE	RM CL	VALUE	RM CL	VALUE	RM CL	VALUE	RM CL	VALUE
		3.500000	12.	4.250000								