

COSTS OF ESTABLISHING A VINEYARD THOMPSON SEEDLESS GRAPES
PRODUCTION FOR WINE OR RAISINS
KERN COUNTY YEAR 1 OF 3 TO ESTABLISH

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	0.00
OPERATING EXPENSES															
SORTING	\$/AC	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
PLANTING LABOR	\$/AC	0.00	0.00	96.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00
ROOTING, WINE	\$/AC	0.00	0.00	216.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	216.00
BUDDING	\$/AC	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	172.80	0.00	0.00	0.00	0.00	173.16
HAND HOEING	\$/AC	0.00	0.00	0.00	0.00	36.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.00
RODENT CONTROL	\$/AC	0.00	0.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.00
CHEMICAL APPLIC	\$/AC	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00
MACHINE LABOR COST	\$/AC	2.61	12.42	0.40	4.24	0.40	4.24	0.40	4.24	0.27	0.00	0.00	0.00	0.00	29.25
INTEREST ON OPER. CAP.	\$/AC	0.29	2.13	8.18	0.60	0.01	6.88	5.16	1.05	15.83	0.00	0.00	0.00	0.00	40.15
TRACTOR COST	\$/AC	2.55	15.06	0.00	4.47	0.00	4.47	0.00	4.47	0.00	0.00	0.00	0.00	0.00	31.03
EQUIPMENT COST	\$/AC	0.99	4.70	0.55	1.42	0.55	1.42	0.55	1.42	0.31	0.00	0.00	0.00	0.00	11.91
BLDG OPER. COST	\$/AC	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00	1.30
IRRIGATION COST	\$/AC	0.00	0.00	34.71	34.71	34.71	34.71	34.71	34.71	0.00	0.00	0.00	0.00	0.00	173.54
IRRIG LABOR COST	\$/AC	0.00	0.00	9.00	9.00	9.00	9.00	9.00	9.00	0.00	0.00	0.00	0.00	0.00	45.00
TOTAL EXPENSES	\$/AC	6.58	65.82	377.98	54.60	80.82	60.87	49.97	11.34	189.36	0.00	0.00	0.00	0.00	897.34

MONTHLY IRRIGATION AND LABOR REQUIREMENTS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
MACHINE LABOR	HR/AC	0.58	2.76	0.09	0.94	0.09	0.94	0.09	0.94	0.06	0.00	0.00	0.00	6.50
IRRIGATION LABOR	HR/AC	0.00	0.00	2.00	2.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	10.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	6.00	6.00	6.00	6.00	6.00	0.00	0.00	0.00	0.00	0.00	30.00

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.	8.64	13.47	3.62	25.73	8.58	1.29	3.55	13.41	2.327
TRACTOR 100 HP	6	100.0	28800.	15.	300.	3.46	5.40	1.45	10.31	3.10	0.46	1.42	4.98	0.672
CRAWLER 65 HP	10	65.0	63600.	15.	200.	37.57	58.52	15.75	111.84	7.69	1.15	3.79	12.63	2.201
TRUCK 1 1/2 TON	12	1.5	13200.	10.	360.	0.62	0.59	0.17	1.38	1.30	0.19	0.41	1.90	0.200
PICKUP 1/2 TON	14	0.5	9000.	7.	435.	0.99	0.82	0.21	2.02	2.16	0.32	0.33	2.81	0.450
IRR PUMP 125 HP*	24	3.0	18950.	25.	2133.	4.88	10.12	3.00	18.00	60.33	0.90	1.50	62.73	15.000
PERM SET SPRINK*	57	2.0	150900.	20.	5000.	19.73	35.76	10.19	65.67	0.00	2.17	108.64	110.82	15.000
CHISEL	67	8.0	2880.	15.	50.	1.40	1.79	0.52	3.72	0.00	0.01	0.43	0.44	0.404
DISC-HYD OFFSET	79	9.0	7200.	15.	75.	6.43	8.18	2.40	17.01	0.00	0.07	3.62	3.69	1.111
SPRINGTOOTH	99	6.0	2400.	15.	100.	3.06	3.90	1.14	8.10	0.00	0.05	2.57	2.62	2.115
FLOAT	105	5.0	4440.	15.	30.	5.45	6.94	2.04	14.42	0.00	0.01	0.36	0.37	0.611
4 WH PLANE 12X45	108	12.0	1440.	15.	100.	0.42	0.54	0.16	1.11	0.00	0.00	0.08	0.08	0.485
FARM SHOP	2		14321.	35.		3.07	7.00	1.19	11.27	1.19		0.05	1.24	
TOOLS-SHOP EQUIP	4		4177.	15.		1.62	2.41	0.35	4.39	0.00		0.05	0.05	
STORAGE SHED	8		8951.	35.		1.92	4.38	0.75	7.04	0.00		0.01	0.01	
FUELTANK 550 GAL	18		159.	30.		0.02	0.11	0.01	0.14	0.00		0.00	0.00	

MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE 2926. 99.30 159.91 42.94 302.15 84.34 6.64 126.80 217.79

TOTAL INVESTMENT 351177.

DEVELOPEMENT OF 120 ACRE VINEYARD. WATER SUPPLIED BY WELLS AND A PERMANENT SPRINKLER SYSTEM. FIRST CROP IN THE THIRD YEAR. PLANTING 480 VINES PER ACRE.

DATE: UPDATED 05/09/80

FUEL USE SUMMARY FOR BUDGET NUMBER 2451500520 782 1

COSTS OF ESTABLISHING A VINEYARD THOMPSON SEEDLESS GRAPES
 PRODUCTION FOR WINE OR RAISINS
 KERN COUNTY YEAR 1 OF 3 TO ESTABLISH

FUEL USED IN GALLONS PER HOUR

TRACTOR 80 HP	3.840
TRACTOR 100 HP	4.800
CRAWLER 65 HP	3.640
TRUCK 1 1/2 TON	5.400
PICKUP 1/2 TON	4.000
IRR PUMP 125 HP*	0.894

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
PICKUP 1/2 TON	0.200	
IRR PUMP 125 HP*	0.298	
CHISEL	1.619	CRAWLER 65 HP
DISC-HYD OFFSET	2.224	CRAWLER 65 HP
FLOAT	3.227	TRACTOR 100 HP
4 WH PLANE 12X45	0.971	CRAWLER 65 HP
SPRINGTOOTH	2.978	TRACTOR 80 HP

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
TRAC 4WD 95 HP	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3
CHISEL	1.619	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.619	3
DISC-HYD OFFSET	0.000	4.449	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.449	3
FLOAT	0.000	3.227	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.227	3
4 WH PLANE 12X45	0.000	1.942	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.942	3
16TOOTH	0.000	0.000	0.000	2.978	0.000	2.978	0.000	2.978	0.000	0.000	0.000	0.000	8.935	3
PICKUP 1/2 TON	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.000	0.000	0.000	1.800	1
TRUCK 1 1/2 TON	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.000	0.000	0.000	0.000	1.080	1
TOTALS	1.954	9.953	0.335	3.313	0.335	3.313	0.335	3.313	0.200	0.000	0.000	0.000	23.052	

GALLONS FUEL BY TYPE
 2.88 GAS
 0.00 LP
 20.17 DIESEL

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

UC Cooperative Extension

COSTS OF ESTABLISHING A VINEYARD THOMPSON SEEDLESS GRAPES
 PRODUCTION FOR WINE OR RAISINS
 KERN COUNTY YEAR 1 OF 3 TO ESTABLISH

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., PER ACRE	FIXED REP. COSTS PER ACRE
SPRINGTOOTH	5,	99 JUNE	1.00	0.853	0.705	5.34	11.28
PICKUP 1/2 TON		14 JUNE	1.00	0.060	0.050	0.31	0.22
TRUCK 1 1/2 TON		12 JUNE	0.50	0.030	0.025	0.24	0.17
PICKUP 1/2 TON		14 JULY	1.00	0.060	0.050	0.31	0.22
TRUCK 1 1/2 TON		12 JULY	0.50	0.030	0.025	0.24	0.17
SPRINGTOOTH	5,	99 AUG	1.00	0.853	0.705	5.34	11.28
PICKUP 1/2 TON		14 AUG	1.00	0.060	0.050	0.31	0.22
TRUCK 1 1/2 TON		12 AUG	0.50	0.030	0.025	0.24	0.17
PICKUP 1/2 TON		14 SEPT	1.00	0.060	0.050	0.31	0.22
TRAC 4WD 95 HP	10,	8 JAN	1.00	0.000	0.000	0.00	0.00
CHISEL	10,	67 JAN	1.00	0.489	0.404	2.99	26.32
PICKUP 1/2 TON		14 JAN	1.00	0.060	0.050	0.31	0.22
TRUCK 1 1/2 TON		12 JAN	0.50	0.030	0.025	0.24	0.17
DISC-HYD OFFSET	10,	79 FEB	2.00	1.344	1.111	10.71	79.13
FLOAT	6,	105 FEB	1.00	0.739	0.611	5.36	24.74
4 WH PLANE 12X45	10,	108 FEB	2.00	0.587	0.485	3.15	28.23
PICKUP 1/2 TON		14 FEB	1.00	0.060	0.050	0.31	0.22
TRUCK 1 1/2 TON		12 FEB	0.50	0.030	0.025	0.24	0.17
PICKUP 1/2 TON		14 MAR	1.00	0.060	0.050	0.31	0.22
TRUCK 1 1/2 TON		12 MAR	0.50	0.030	0.025	0.24	0.17
SPRINGTOOTH	5,	99 APR	1.00	0.853	0.705	5.34	11.28
PICKUP 1/2 TON		14 APR	1.00	0.060	0.050	0.31	0.22
TRUCK 1 1/2 TON		12 APR	0.50	0.030	0.025	0.24	0.17
PICKUP 1/2 TON		14 MAY	1.00	0.060	0.050	0.31	0.22
TRUCK 1 1/2 TON		12 MAY	0.50	0.030	0.025	0.24	0.17
TOTALS				6.500	5.377	42.94	195.64

DEVELOPEMENT OF 120 ACRE VINEYARD. WATER SUPPLIED BY WELLS AND
 A PERMANENT SPRINKLER SYSTEM. FIRST CROP IN THE THIRD YEAR.
 PLANTING 480 VINES PER ACRE.

DATE: UPDATED 05/09/80

BUDGET IDENTIFICATION NUMBER--- 2451500520 782 1
 ANNUAL CAPITAL MONTH 5 BUDGET RECORD NUMBER 316

BUDGET IDENTIFICATION NUMBER 2451500520 782 1
HARVEST OR SALE MONTH 5

BUDGET RECORD NUMBER 316

COSTS OF ESTABLISHING A VINEYARD THOMPSON SEEDLESS GRAPES
PRODUCTION FOR WINE OR RAISINS
KERN COUNTY YEAR 1 OF 3 TO ESTABLISH

COSTS AND RETURNS WILL BE
DIVIDED BY 1.0 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 GRAPES, RAISIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00874.000	0.000	3.	45.	2.	0.	
OPERATING INPUTS	RATE/UNIT																		
														PRICE	SHARE	UNIT	ITEM	TYPE	HARV
														RENT	RENT	CODE	CODE	CODE	CODE
6 SORTING	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.000	0.000	7.	337.	3.	0.	
7 PLANTING LABOR	0.00	0.00	480.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.200	0.000	25.	332.	3.	0.	
8 ROOTING, WINE	0.00	0.00	480.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.450	0.000	25.	147.	3.	0.	
9 BUDDING	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	480.00	0.00	0.00	0.360	0.000	25.	348.	3.	0.	
10 HAND HOEING	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.500	0.000	8.	335.	3.	0.	
11 RODENT CONTROL	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.000	0.000	7.	263.	3.	0.	
12 CHEMICAL 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	6.000	0.000	7.	360.	3.	0.	
MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE																		
														# CREW	POWER	MACH	TYPE	HARV	
														LABOR	UNIT	CODE	CODE	CODE	
26 TRAC 4WD 95 HP	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	10.	8.	4.	0.	
27 CHISEL	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	10.	67.	4.	0.	
28 DISC-HYD OFFSET	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	10.	79.	4.	0.	
29 FLOAT	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	6.	105.	4.	0.	
30 4 WH PLANE 12X45	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	10.	108.	4.	0.	
31 SPRINGTOOTH	0.00	0.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.000	0.000	5.	99.	4.	0.	
32 PICKUP 1/2 TON	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.000	0.000	0.	14.	4.	0.	
33 TRUCK 1 1/2 TON	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.000	0.000	0.	12.	4.	0.	
														SHARE	SHARE	POWER	SYSN		
														FIXED %	VAR %	UNIT	CODE	LIFT	
49 ACIN IRRIG WATER	0.00	0.00	6.00	6.00	6.00	6.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.	57.	200.		
50 NO. TIMES IRRIG	0.00	0.00	2.00	2.00	2.00	2.00	2.00	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	1.000	0.340	0.	2.	5.	0.
52 TOOLS-SHOP EQUIP	1.000	0.340	0.	4.	5.	0.
53 STORAGE SHED	1.000	0.340	0.	8.	5.	0.
54 FUELTANK 550 GAL	1.000	0.340	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	3500.00	40.00	0.0

DEVELOPMENT OF 120 ACRE VINEYARD. WATER SUPPLIED BY WELLS AND
A PERMANENT SPRINKLER SYSTEM. FIRST CROP IN THE THIRD YEAR.
PLANTING 480 VINES PER ACRE.

MACHINERY COMPLEMENT 7
EQUIPMENT COMPLEMENT 1

DATE: UPDATED 05/09/80

NO NAME CHANGES HAVE BEEN STORED WITH THIS BUDGET

PARAMETER CHGS	BW	CL	VALUE	BW	CL	VALUE	BW	CL	VALUE	BW	CL	VALUE	BW	CL	VALUE
			4.500000	11.		5.500000	12.		4.500000						

1980 default data

Grapes

TITLE: COSTS OF ESTABLISHING A VINEYARD THOMPSON SEEDLESS GRAPES
PRODUCTION FOR WINE OR RAISINS
KERN COUNTY YEAR 2 OF 3 TO ESTABLISH

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
TOTAL RECEIPTS:				\$ 0.00	
2. VARIABLE COSTS:					
PREHARVEST:					
ROOTING, WINE	VINE	0.450	50.000	22.50	
SET STAKES	ACRE	0.170	480.000	81.60	
POLES	UNIT	0.950	480.000	456.00	
POSTS	UNIT	5.000	11.000	55.00	
WIRE	LBS.	0.400	82.000	32.80	
SET STAKES	ACRE	5.000	11.000	55.00	
TYE OR PROP	ACRE	23.000	1.000	23.00	
HERBICIDE	ACRE	7.000	1.000	7.00	
RODENT CONTROL	ACRE	7.000	1.000	7.00	
NITROGEN	LBS.	0.350	30.000	10.50	
TRAINING	ACRE	100.000	1.000	100.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			20.35	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			3.93	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			1.30	
IRRIGATION (POWER-LUBE-REP)	ACIN	5.719	36.000	205.89	
MACHINERY LABOR	HOUR	4.500	4.122	18.55	
IRRIGATION LABOR	HOUR	4.500	8.000	36.00	
INTEREST ON OPERATING CAP.	DOL.	0.140	306.247	40.98	
TOTAL PREHARVEST COSTS:				\$ 1177.41	
PREHARVEST COST PER TON				\$ 1177.4058	
HARVEST:					
TOTAL HARVEST COSTS:				\$ 0.00	
HARVEST COST PER TON				\$ 0.0000	
TOTAL VARIABLE COSTS:				\$ 1177.41	
VARIABLE COST PER TON				\$ 1177.4058	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER TON				\$ -1177.41	
				\$ -1177.4058	
4. CASH OVERHEAD:					
REAL PROPERTY TAXES:				40.00	
TOTAL CASH OVERHEAD:				\$ 40.00	
OVERHEAD COST PER TON				40.0000	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER TON				\$ -1217.41	
				\$ -1217.4058	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			19.41	
IRRIGATION SYSTEM	ACRE			29.53	
BUILDINGS	ACRE			6.63	
TOTAL DEPRECIATION:				\$ 55.57	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.140	203.671	28.51	
IRRIGATION SYSTEM		0.140	393.192	55.05	
BUILDINGS		0.107	130.346	13.91	
LAND		0.107	3500.000	373.45	
TOTAL INTEREST CHARGE:				\$ 470.92	
TOTAL FIXED COSTS:				\$ 526.49	
FIXED COST PER TON				526.4934	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER TON				\$ 1743.90	
				1743.8992	
8. NET RETURNS:					
NET RETURNS PER TON				\$ -1743.90	
				-1743.8992	

DEVELOPMENT OF 120 ACRE VINEYARD. WATER SUPPLIED BY WELLS AND A PERMANENT SPRINKLER SYSTEM. FIRST CROP IN THE THIRD YEAR. PLANTING 480 VINES PER ACRE

DATE: UPDATED 05/09/80

UC Cooperative Extension

BUDGET IDENTIFICATION NUMBER 2451500620 782 1

BUDGET RECORD NUMBER 317

IDENTIFICATION NUMBER 2451500620 782 1

HARVEST MONTH 8

BUDGET RECORD NUMBER 317

COSTS OF ESTABLISHING A VINEYARD THOMPSON SEEDLESS GRAPES
 PRODUCTION FOR WINE OR RAISINS
 KERN COUNTY YEAR 2 OF 3 TO ESTABLISH

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	0.00
OPERATING EXPENSES															
ROOTING, WINE	\$/AC	0.00	0.00	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.50
SET STAKES	\$/AC	0.00	0.00	10.20	34.00	37.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.60
POLES	\$/AC	0.00	0.00	57.00	190.00	209.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	456.00
POSTS	\$/AC	0.00	0.00	0.00	0.00	55.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.00
WIRE	\$/AC	0.00	0.00	0.00	0.00	32.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.80
SET STAKES	\$/AC	0.00	0.00	0.00	0.00	55.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.00
TYE OR PROP	\$/AC	0.00	0.00	0.00	0.00	0.00	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.00
HERBICIDE	\$/AC	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00
RODENT CONTROL	\$/AC	0.00	0.00	3.50	0.00	0.00	0.00	3.50	0.00	0.00	0.00	0.00	0.00	0.00	7.00
NITROGEN	\$/AC	0.00	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.50
TRAINING	\$/AC	0.00	0.00	0.00	0.00	25.00	25.00	25.00	25.00	0.00	0.00	0.00	0.00	0.00	100.00
MACHINE LABOR COST	\$/AC	1.49	1.70	0.00	3.84	0.00	3.84	0.00	3.84	0.00	3.84	0.00	0.00	0.00	18.55
INTEREST ON OPER. CAP.	\$/AC	0.81	0.94	6.94	11.77	15.82	2.68	0.95	0.01	0.00	1.06	0.00	0.00	0.00	40.98
TRACTOR COST	\$/AC	1.15	1.31	0.00	4.47	0.00	4.47	0.00	4.47	0.00	4.47	0.00	0.00	0.00	20.35
EQUIPMENT COST	\$/AC	0.28	0.16	0.00	0.87	0.00	0.87	0.00	0.87	0.00	0.87	0.00	0.00	0.00	3.93
BLDG OPER. COST	\$/AC	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.00	0.14	0.00	0.00	0.00	1.30
IRRIGATION COST	\$/AC	0.00	0.00	25.74	25.74	51.47	51.47	51.47	0.00	0.00	0.00	0.00	0.00	0.00	205.89
IRRIG LABOR COST	\$/AC	0.00	0.00	4.50	4.50	9.00	9.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	36.00
TOTAL EXPENSES	\$/AC	10.87	14.76	130.52	275.34	490.64	123.99	86.56	34.33	0.00	10.39	0.00	0.00	0.00	1177.41

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC	0.33	0.38	0.00	0.85	0.00	0.85	0.00	0.85	0.00	0.85	0.00	0.00	4.12
IRRIGATION LABOR	HR/AC	0.00	0.00	1.00	1.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	8.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	4.50	4.50	9.00	9.00	9.00	0.00	0.00	0.00	0.00	0.00	36.00

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 50 HP	4	50.0	15960.	15.	300.	1.84	2.87	0.77	5.48	1.49	0.22	0.76	2.46	0.645
TRACTOR 80 HP	5	80.0	20760.	15.	300.	11.53	17.95	4.83	34.31	11.44	1.72	4.73	17.89	3.103
IRR PUMP 125 HP*	24	3.0	18950.	25.	2133.	5.86	12.14	3.60	21.59	70.07	1.05	1.79	72.91	18.000
PERM SET SPRINK*	57	2.0	150900.	20.	5000.	23.68	42.91	12.22	78.81	0.00	2.61	130.37	132.98	18.000
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
WD SPRYR 500 GAL	89	15.0	5040.	15.	50.	1.66	2.12	0.62	4.40	0.00	0.01	0.27	0.28	0.274
SPRINGTOOTH	99	6.0	2400.	15.	100.	4.08	5.19	1.52	10.80	0.00	0.07	3.42	3.49	2.821
FARM SHOP	2		14321.	35.		3.07	7.00	1.19	11.27	1.19		0.05	1.24	
TOOLS-SHOP EQUIP	4		4177.	15.		1.62	2.41	0.35	4.39	0.00		0.05	0.05	
STORAGE SHED	8		8951.	35.		1.92	4.38	0.75	7.04	0.00		0.01	0.01	
FUELTANK 550 GAL	18		159.	30.		0.02	0.11	0.01	0.14	0.00		0.00	0.00	
MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE			2021.			55.57	97.47	25.98	179.02	84.18	5.67	141.62	231.47	
TOTAL INVESTMENT			242577.											

DEVELOPMENT OF 120 ACRE VINEYARD. WATER SUPPLIED BY WELLS AND
 A PERMANENT SPRINKLER SYSTEM. FIRST CROP IN THE THIRD YEAR.
 PLANTING 480 VINES PER ACRE

DATE: UPDATED 05/09/80

FUEL USE SUMMARY FOR BUDGET NUMBER 2451500620 782 1

COSTS OF ESTABLISHING A VINEYARD THOMPSON SEEDLESS GRAPES
 PRODUCTION FOR WINE OR RAISINS
 KERN COUNTY YEAR 2 OF 3 TO ESTABLISH

FUEL USED IN GALLONS PER HOUR

TRACTOR 50 HP	2.400
TRACTOR 80 HP	3.840
IRR PUMP 125 HP*	0.865

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
IRR PUMP 125 HP*	0.288	
SPRINGTOOTH	2.978	TRACTOR 80 HP
DRY FERT APPLIC.	0.825	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
SPRINGTOOTH	0.000	0.000	0.000	2.978	0.000	2.978	0.000	2.978	0.000	2.978	0.000	0.000	11.914	3
DRY FERT APPLIC.	0.000	0.825	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.825	3
WD SPRYR 500 GAL	0.722	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.722	3
TOTALS	0.722	0.825	0.000	2.978	0.000	2.978	0.000	2.978	0.000	2.978	0.000	0.000	13.461	

GALLONS FUEL BY TYPE
 0.00 GAS
 0.00 LP
 46 DIESEL

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

COSTS OF ESTABLISHING A VINEYARD THOMPSON SEEDLESS GRAPES
 PRODUCTION FOR WINE OR RAISINS
 KERN COUNTY YEAR 2 OF 3 TO ESTABLISH

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., PER ACRE	FIXED REP. COSTS PER ACRE
SPRINGTOOTH	5,	99 OCT	1.00	0.853	0.705	5.34	11.28
WD SPRYR 500 GAL	4,	89 JAN	1.00	0.331	0.274	1.43	6.96
DRY FERT APPLIC.	4,	85 FEB	1.00	0.378	0.313	1.47	3.72
SPRINGTOOTH	5,	99 APR	1.00	0.853	0.705	5.34	11.28
SPRINGTOOTH	5,	99 JUNE	1.00	0.853	0.705	5.34	11.28
SPRINGTOOTH	5,	99 AUG	1.00	0.853	0.705	5.34	11.28
TOTALS				4.122	3.407	24.28	55.79

DEVELOPMENT OF 120 ACRE VINEYARD. WATER SUPPLIED BY WELLS AND
 A PERMANENT SPRINKLER SYSTEM. FIRST CROP IN THE THIRD YEAR.
 PLANTING 480 VINES PER ACRE DATE: UPDATED 05/09/80

BUDGET IDENTIFICATION NUMBER--- 2451500620 782 1
 ANNUAL CAPITAL MONTH 8 BUDGET RECORD NUMBER 317

COSTS OF ESTABLISHING A VINEYARD THOMPSON SEEDLESS GRAPES
 PRODUCTION FOR WINE OR RAISINS
 KERN COUNTY YEAR 2 OF 3 TO ESTABLISH

COSTS AND RETURNS WILL BE
 DIVIDED BY 1.0 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, RAISIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00874.000	0.000	3.	45.	2.	0.
OPERATING INPUTS	RATE/UNIT																	
	PRICE																	
6 ROOTING, WINE	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.450	0.000	25.	147.	3.	0.
7 SET STAKES	0.00	0.00	60.00	200.00	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.170	0.000	7.	354.	3.	0.
8 POLES	0.00	0.00	60.00	200.00	220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.950	0.000	22.	391.	3.	0.
9 POSTS	0.00	0.00	0.00	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.000	0.000	22.	390.	3.	0.
10 WIRE	0.00	0.00	0.00	0.00	82.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.400	0.000	12.	383.	3.	0.
11 SET STAKES	0.00	0.00	0.00	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.000	0.000	7.	354.	3.	0.
12 TYE OR PROP	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	23.000	0.000	7.	342.	3.	0.
13 HERBICIDE	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.000	0.000	7.	250.	3.	0.
14 RODENT CONTROL	0.00	0.00	0.50	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	7.000	0.000	7.	263.	3.	0.
16 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.
17 TRAINING	0.00	0.00	0.00	0.00	0.25	0.25	0.25	0.25	0.00	0.00	0.00	0.00	100.000	0.000	7.	349.	3.	0.

MACHINERY REQUIREMENTS	IMPLEMENTS =	TIMES OVER,	TRUCKS = #	MILES/ACRE,	TRACTORS =	HRS/ACRE	# CREW	POWER	MACH	TYPE	HARV
							LABOR	UNIT	CODE		CODE
26 SPRINGTOOTH	0.00	0.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
27 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
28 WD SPRYR 500 GAL	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							SHARE	SHARE	POWER	SYSM	
							FIXED %	VAR %	UNIT <td>CODE <td>LIFT</td> </td>	CODE <td>LIFT</td>	LIFT
49 ACIN IRRIG WATER	0.00	0.00	4.50	4.50	9.00	9.00	0.00	0.00	0.00	0.00	0.00
50 NO. TIMES IRRIG	0.00	0.00	1.00	1.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00

EQUIPMENT REQUIREMENTS	NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX
	UNITS	OF COST		CODE		
ARM SHOP	1.000	0.340	0.	2.	5.	0.
52 TOOLS-SHOP EQUIP	1.000	0.340	0.	4.	5.	0.
53 STORAGE SHED	1.000	0.340	0.	8.	5.	0.
54 FUELTANK 550 GAL	1.000	0.340	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	3500.00	40.00	0.0 0.00

DEVELOPEMENT OF 120 ACRE VINEYARD. WATER SUPPLIED BY WELLS AND
 A PERMANENT SPRINKLER SYSTEM. FIRST CROP IN THE THIRD YEAR.
 PLANTING 480 VINES PER ACRE
 DATE: UPDATED 05/09/80
 MACHINERY COMPLEMENT 7
 EQUIPMENT COMPLEMENT 1

GENERAL NAME CHANGE-->	LINE CHANGE									
	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE
PARAMETER CHGS-->	10.	4.500000	11.	5.500000	12.	4.500000				

1980 default data

TITLE: COSTS OF ESTABLISHING A VINEYARD (THOMPSON SEEDLESS GRAPES)
 * PRODUCTION FOR WINE OR RAISINS
 * KERN COUNTY YEAR 3 OF 3 TO ESTABLISH

Orange 123

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
GRAPES, WINE	TON	84.720	5.000	\$ 423.60	
TOTAL RECEIPTS:				\$ 423.60	
2. VARIABLE COSTS:					
PREHARVEST:					
TIES	ACRE	\$ 5.000	1.000	\$ 5.00	
HERBICIDE	ACRE	7.000	1.000	7.00	
NITROGEN	LBS.	0.350	60.000	21.00	
PWDRY MILDEW CTL	LBS.	0.140	50.000	7.00	
INSECTICIDE	GAL.	0.070	300.000	21.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			30.84	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			6.68	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			1.30	
IRRIGATION (POWER-LUBE-REP)	ACIN	5.669	42.000	238.08	
MACHINERY LABOR	HOUR	4.500	7.573	34.08	
IRRIGATION LABOR	HOUR	4.500	11.000	49.50	
INTEREST ON OPERATING CAP.	DOL.	0.140	237.976	32.44	
TOTAL PREHARVEST COSTS:				\$ 453.91	
PREHARVEST COST PER TON				\$ 90.7828	
HARVEST:					
CUSTOM HARVEST	TON	\$ 40.000	5.000	\$ 200.00	
INTEREST ON OPERATING CAP.	DOL.	0.140	50.000	7.00	
TOTAL HARVEST COSTS:				\$ 207.00	
HARVEST COST PER TON				\$ 41.4000	
TOTAL VARIABLE COSTS:				\$ 660.91	
VARIABLE COST PER TON				\$ 132.1828	
INCOME ABOVE VARIABLE COSTS:				\$ -237.31	
INCOME PER TON				\$ -47.4628	
4. CASH OVERHEAD:					
REAL PROPERTY TAXES:				\$ 40.00	
TOTAL CASH OVERHEAD:				\$ 40.00	
OVERHEAD COST PER TON				8.0000	
INCOME ABOVE ALL CASH COSTS:				\$ -277.31	
INCOME PER TON				\$ -55.4628	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			\$ 48.30	
IRRIGATION SYSTEM	ACRE			34.45	
BUILDINGS	ACRE			6.63	
TOTAL DEPRECIATION:				\$ 89.38	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.140	483.179	67.65	
IRRIGATION SYSTEM		0.140	458.724	64.22	
BUILDINGS		0.107	130.346	13.91	
LAND		0.107	3500.000	373.45	
TOTAL INTEREST CHARGE:				\$ 519.22	
TOTAL FIXED COSTS:				\$ 608.61	
FIXED COST PER TON				121.7210	
TOTAL OF ABOVE COSTS:				\$ 1309.52	
TOTAL COST PER TON				261.9038	
RETURNS:				\$ -885.92	
NET RETURNS PER TON				-177.1838	

DEVELOPMENT OF 120 ACRE VINEYARD. WATER SUPPLIED BY WELLS AND A PERMANENT SPRINKLER SYSTEM. FIRST CROP IN THE THIRD YEAR
 PLANTING 480 VINES PER ACRE

DATE: UPDATED 05/09/80

BUDGET IDENTIFICATION NUMBER 2451500723 782 1
 DATE PRINTED: 05/09/80

BUDGET RECORD NUMBER 318
 HARVEST MONTH: 12

1980 default data

COSTS OF ESTABLISHING A VINEYARD THOMPSON SEEDLESS GRAPES
 PRODUCTION FOR WINE OR RAISINS
 KERN COUNTY YEAR 3 OF 3 TO ESTABLISH

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	423.60	0.00	0.00	0.00	423.60
OPERATING EXPENSES															
TIES	\$/AC	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
HERBICIDE	\$/AC	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00
NITROGEN	\$/AC	0.00	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00
PWDY MILDEW CTL	\$/AC	0.00	0.00	0.00	1.40	2.80	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00
INSECTICIDE	\$/AC	0.00	0.00	0.00	0.00	5.25	5.25	5.25	5.25	0.00	0.00	0.00	0.00	0.00	21.00
CUSTOM HARVEST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	200.00
MACHINE LABOR COST	\$/AC	1.49	1.70	3.84	5.33	9.80	5.96	2.98	2.98	0.00	0.00	0.00	0.00	0.00	34.08
INTEREST ON OPER. CAP.	\$/AC	1.28	2.81	3.18	5.17	7.07	7.20	5.20	0.50	7.00	0.00	0.00	0.00	0.00	39.44
TRACTOR COST	\$/AC	1.15	1.31	4.47	5.62	9.07	4.60	2.30	2.30	0.00	0.00	0.00	0.00	0.00	30.84
EQUIPMENT COST	\$/AC	0.28	0.16	0.87	1.15	1.99	1.11	0.56	0.56	0.00	0.00	0.00	0.00	0.00	6.68
BLDG OPER. COST	\$/AC	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00	1.30
IRRIGATION COST	\$/AC	0.00	0.00	17.01	34.01	51.02	68.02	68.02	0.00	0.00	0.00	0.00	0.00	0.00	238.08
IRRIG LABOR COST	\$/AC	0.00	0.00	4.50	9.00	9.00	13.50	13.50	0.00	0.00	0.00	0.00	0.00	0.00	49.50
TOTAL EXPENSES	\$/AC	11.35	27.13	34.02	61.83	96.15	113.60	97.96	11.73	207.15	0.00	0.00	0.00	0.00	660.91

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC	0.33	0.38	0.85	1.18	2.18	1.32	0.66	0.66	0.00	0.00	0.00	0.00	7.57
IRRIGATION LABOR	HR/AC	0.00	0.00	1.00	2.00	2.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	11.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	3.00	6.00	9.00	12.00	12.00	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	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	15960.	15.	300.	13.02	20.28	5.46	38.75	10.50	1.58	5.35	17.42	4.558
TRACTOR 80 HP	5	80.0	20760.	15.	300.	8.64	13.47	3.62	25.73	8.58	1.29	3.55	13.41	2.327
IRR PUMP 125 HP*	24	3.0	18950.	25.	2133.	6.83	14.16	4.20	25.19	79.65	1.19	2.09	82.94	21.000
PERM SET SPRINK*	57	2.0	150900.	20.	5000.	27.62	50.06	14.26	91.94	0.00	3.04	152.10	155.14	21.000
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
WD SPRYR 500 GAL	89	15.0	5040.	15.	50.	23.27	29.63	8.69	61.59	0.00	0.08	3.82	3.90	3.831
SPRINGTOOTH	99	6.0	2400.	15.	100.	3.06	3.90	1.14	8.10	0.00	0.05	2.57	2.62	2.115
FARM SHOP	2		14321.	35.		3.07	7.00	1.19	11.27	1.19		0.05	1.24	
TOOLS-SHOP EQUIP	4		4177.	15.		1.62	2.41	0.35	4.39	0.00		0.05	0.05	
STORAGE SHED	8		8951.	35.		1.92	4.38	0.75	7.04	0.00		0.01	0.01	
FUELTANK 550 GAL	18		159.	30.		0.02	0.11	0.01	0.14	0.00		0.00	0.00	
MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE			2021.			89.38	145.77	39.78	274.94	99.93	7.23	169.74	276.90	
TOTAL INVESTMENT			242577.											

DEVELOPEMENT OF 120 ACRE VINEYARD. WATER SUPPLIED BY WELLS AND A PERMANENT SPRINKLER SYSTEM. FIRST CROP IN THE THIRD YEAR
 PLANTING 480 VINES PER ACRE

DATE: UPDATED 05/09/80

FUEL USE SUMMARY FOR BUDGET NUMBER 2451500723 782 1

COSTS OF ESTABLISHING A VINEYARD THOMPSON SEEDLESS GRAPES
 PRODUCTION FOR WINE OR RAISINS
 KERN COUNTY YEAR 3 OF 3 TO ESTABLISH

FUEL USED IN GALLONS PER HOUR

TRACTOR 50 HP 2.400
 TRACTOR 80 HP 3.840
 IRR PUMP 125 HP* 0.843

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
IRR PUMP 125 HP*	0.281	
SPRINGTOOTH	2.978	TRACTOR 80 HP
DRY FERT APPLIC.	0.825	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
SPRINGTOOTH	0.000	0.000	2.978	2.978	2.978	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.935	3
DRY FERT APPLIC.	0.000	0.825	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.825	3
WD SPRYR 500 GAL	0.722	0.000	0.000	0.722	2.890	2.890	1.445	1.445	0.000	0.000	0.000	0.000	10.113	3
TOTALS	0.722	0.825	2.978	3.701	5.868	2.890	1.445	1.445	0.000	0.000	0.000	0.000	19.874	

GALLONS FUEL BY TYPE
 0.00 GAS
 00 LP
 .87 DIESEL

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

COSTS OF ESTABLISHING A VINEYARD THOMPSON SEEDLESS GRAPES
 PRODUCTION FOR WINE OR RAISINS
 KERN COUNTY YEAR 3 OF 3 TO ESTABLISH

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB. PER ACRE	FIXED REP. COSTS PER ACRE
WD SPRYR 500 GAL	4,	89 JAN	1.00	0.331	0.274	1.43	6.96
DRY FERT APPLIC.	4,	85 FEB	1.00	0.378	0.313	1.47	3.72
SPRINGTOOTH	5,	99 MAR	1.00	0.853	0.705	5.34	11.28
SPRINGTOOTH	5,	99 APR	1.00	0.853	0.705	5.34	11.28
WD SPRYR 500 GAL	4,	89 APR	1.00	0.331	0.274	1.43	6.96
SPRINGTOOTH	5,	99 MAY	1.00	0.853	0.705	5.34	11.28
WD SPRYR 500 GAL	4,	89 MAY	4.00	1.324	1.095	5.72	27.83
WD SPRYR 500 GAL	4,	89 JUNE	4.00	1.324	1.095	5.72	27.83
WD SPRYR 500 GAL	4,	89 JULY	2.00	0.662	0.547	2.86	13.92
WD SPRYR 500 GAL	4,	89 AUG	2.00	0.662	0.547	2.86	13.92
TOTALS				7.573	6.259	37.51	134.96

DEVELOPMENT OF 120 ACRE VINEYARD. WATER SUPPLIED BY WELLS AND
 A PERMANENT SPRINKLER SYSTEM. FIRST CROP IN THE THIRD YEAR
 PLANTING 480 VINES PER ACRE DATE: UPDATED 05/09/80

BUDGET IDENTIFICATION NUMBER--- 2451500723 782 1
 ANNUAL CAPITAL MONTH 12 BUDGET RECORD NUMBER 318

BUDGET IDENTIFICATION NUMBER 2451500723 782 1
 HARVEST OR SALE MONTH 12

BUDGET RECORD NUMBER 318

COSTS OF ESTABLISHING A VINEYARD THOMPSON SEEDLESS GRAPES
 PRODUCTION FOR WINE OR RAISINS
 KERN COUNTY YEAR 3 OF 3 TO ESTABLISH

COSTS AND RETURNS WILL BE
 DIVIDED BY 5.0 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, WINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	84.720	0.000	3.	47.	2.	0.
OPERATING INPUTS																		
	RATE/UNIT																	
	PRICE																	
7 TIES	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	5.000	0.000	7.	385.	3.	0.
8 HERBICIDE	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.000	0.000	7.	250.	3.	0.
9 NITROGEN	0.00	60.00	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.
10 PDYR WILDEW CTL	0.00	0.00	0.00	10.00	20.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.140	0.000	12.	239.	3.	0.
11 INSECTICIDE	0.00	0.00	0.00	0.00	75.00	75.00	75.00	75.00	0.00	0.00	0.00	0.00	0.070	0.000	5.	240.	3.	0.
14 CUSTOM HARVEST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	40.000	0.000	3.	304.	3.	9.
MACHINERY REQUIREMENTS IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE																		
	M CREW POWER MACH TYPE HARV																	
	LABOR UNIT CODE																	
26 SPRINGTOOTH	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	5.	99.	4.	0.
27 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.
28 WD SPRYR 500 GAL	1.00	0.00	0.00	1.00	4.00	4.00	2.00	2.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	89.	4.	0.
	SHARE SHARE POWER																	
	FIXED % VAR % UNIT CODE LIFT																	
49 ACIN IRRIG WATER	0.00	0.00	3.00	6.00	9.00	12.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.	57.	200.	
50 NO. TIMES IRRIG	0.00	0.00	1.00	2.00	2.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00						

EQUIPMENT REQUIREMENTS

	NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX
	UNITS	OF COST		CODE		
1 ARM SHOP	1.000	0.340	0.	2.	5.	0.
2 TOOLS-SHOP EQUIP	1.000	0.340	0.	4.	5.	0.
3 STORAGE SHED	1.000	0.340	0.	8.	5.	0.
4 FUEL TANK 550 GAL	1.000	0.340	0.	18.	5.	0.

LAND REQUIREMENTS

LAND REQUIREMENTS	CHARGE METHOD	NUMBER OF ACRES	VALUE OR COST/ACRE	TAXES PER ACRE	PERENNIAL CROPS YRS LIFE	COST/ACRE
71	1.	120.00	3500.00	40.00	0.0	0.00

DEVELOPMENT OF 120 ACRE VINEYARD. WATER SUPPLIED BY WELLS AND
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 PLANTING 480 VINES PER ACRE

MACHINERY COMPLEMENT 7
 EQUIPMENT COMPLEMENT 1

DATE: UPDATED 05/09/80

NO NAME CHANGES HAVE BEEN STORED WITH THIS BUDGET

PARAMETER CHGS-->10.	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE
		4.500000	11.	5.500000	12.	4.500000				

1980 default data