

FLOW & INVESTMENT SUMMARY FOR GRAPES, WINE

*** SCS BUDGET ***

BUDGET RECORD NUMBER 66

SAMPLE PRODUCTION COSTS AND RETURNS FOR WINE VARIETY GRAPES

SOUTHERN SAN JOAQUIN VALLEY

1980

YIELD: 8 TONS/ACRE

BY JIM PEACOCK, TULARE CO. FARM ADVISOR

MONTHLY SUMMARY OF RECEIPTS AND EXPENSES

CATEGORY	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
L RECEIPTS	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	308.00	924.00	0.00	0.00	0.00	1232.00
EXPENSES														
PLANTING	\$/AC	0.00	114.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.18
WEED REMOVAL	\$/AC	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
ROCK REMOVAL	\$/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	21.00
FUNGICIDE	\$/AC	0.00	0.00	0.00	2.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	8.00
INSECTICIDE	\$/AC	0.00	0.00	0.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00
FERTILIZER	\$/AC	0.00	0.00	0.00	0.00	44.00	0.00	44.00	0.00	0.00	0.00	0.00	0.00	88.00
FUEL & HAUL	\$/AC	0.00	0.00	6.00	0.00	0.00	0.00	0.00	84.00	252.00	0.00	0.00	0.00	336.00
WATER DIST	\$/AC	0.00	0.00	0.00	0.00	8.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00
WATER DIST	\$/AC	0.00	0.00	6.32	8.32	12.48	12.48	14.56	12.48	10.40	6.24	0.00	0.00	85.28
FERTILIZER APP	\$/AC	0.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.50
LABOR COST	\$/AC	1.35	1.35	10.03	3.01	3.01	9.36	9.36	7.69	7.69	10.17	4.29	1.35	68.66
INTEREST ON OPER. CAP.	\$/AC	0.11	3.63	0.51	0.26	0.56	0.01	5.81	7.21	15.56	1.47	0.35	0.10	35.58
RENT COST	\$/AC	0.00	0.00	6.24	1.16	1.16	5.73	5.73	4.56	4.56	6.34	2.11	0.00	37.60
DEPRECIATION COST	\$/AC	1.51	1.51	3.55	1.97	1.97	2.58	2.58	2.13	2.13	4.10	1.76	1.51	27.32
OPER. COST	\$/AC	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	3.83
IRRIGATION COST	\$/AC	0.00	0.00	0.94	0.94	1.41	1.41	1.64	1.41	1.17	0.70	0.00	0.00	9.62
WATER LABOR COST	\$/AC	0.00	0.00	3.44	3.44	5.16	5.16	6.19	5.16	3.78	2.58	0.00	0.00	34.89
TOTAL EXPENSES	\$/AC	3.29	154.49	28.39	21.42	92.06	47.04	92.18	124.96	297.62	31.93	8.83	3.29	910.46

MONTHLY IRRIGATION AND LABOR REQUIREMENTS

	HR/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
WINE LABOR	HR/AC	0.30	0.30	2.23	0.67	0.67	2.08	2.08	1.71	1.71	2.26	0.95	0.30	15.26
IRRIGATION LABOR	HR/AC	0.00	0.00	0.63	0.63	0.94	0.94	1.13	0.94	0.69	0.47	0.00	0.00	6.34
WATER APPLIED	ACIN	0.00	0.00	4.00	4.00	6.00	6.00	7.00	6.00	5.00	3.00	0.00	0.00	41.00

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	TOTAL	FUEL	LUBE	REPAIRS		TOTAL
TRACTOR 35 HP	3	35.0	9960.	10.	470.	2.01	1.36	0.64	4.01	3.39	0.51	0.76	4.66	1.344
TRACTOR 55HP	4	55.0	15960.	10.	470.	22.14	15.00	7.07	44.21	21.32	3.20	6.42	32.94	9.254
PUMP 3/4 TON	15	0.8	10200.	6.	480.	7.56	3.03	1.43	12.02	14.40	2.16	1.60	18.16	3.000
FACE IRR SYS*	53	2.0	45900.	10.	5000.	13.26	8.98	4.23	26.48	0.00	0.19	9.43	9.62	20.500
GEL-RIP	66	6.0	2160.	10.	100.	0.96	0.51	0.26	1.73	0.00	0.00	0.25	0.25	0.539
	79	9.0	7200.	10.	120.	8.23	4.34	2.25	14.82	0.00	0.06	3.20	3.26	1.667
TRIMMING RIG	90	15.0	4000.	10.	160.	2.52	1.33	0.69	4.53	0.00	0.04	1.78	1.81	1.222
WINGTOOTH	100	8.0	3120.	10.	125.	1.09	0.57	0.30	1.96	0.00	0.01	0.52	0.53	0.529
POWER 3 SHOVS.	103	9.0	2400.	10.	150.	1.34	0.71	0.37	2.41	0.00	0.02	0.81	0.83	1.019
DRY MOWER	122	6.0	1440.	10.	110.	2.09	1.07	0.56	3.72	0.00	0.04	1.84	1.87	1.910
WEED CUTTERS	123	4.0	800.	10.	135.	1.34	0.71	0.37	2.41	0.00	0.01	0.59	0.60	2.750
WASH SHOP	2		42120.	35.		9.03	14.23	3.51	26.76	3.51		0.15	3.66	
WASH-SHOP EQUIP	4		12285.	15.		4.78	4.90	1.02	10.71	0.00		0.14	0.14	
ORAGE SHED	8		26325.	35.		5.64	8.89	2.19	16.73	0.00		0.03	0.03	
TANK 550 GAL	18		468.	30.		0.05	0.23	0.04	0.32	0.00		0.00	0.00	

MACHINERY & EQUIPMENT 1536. 82.03 65.85 24.94 172.82 42.62 6.23 29.51 78.37

PERCENT & COSTS PER ACRE 184338.

HIGH YIELDING VARIETIES WOULD PRODUCE 11 TONS PER ACRE
 PERR. SET SPRINKLER IRR.: 41 ACIN/YR INTEREST: 7 3/8% (SHORT & LONG TERM)
 BASED ON 120 ACRES GRAPES OR 160 ACRE VINEYARD

Updated 1/13/81

*** SCS BUDGET ***

FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 66
 SAMPLE PRODUCTION COSTS AND RETURNS FOR WINE VARIETY GRAPES
 SOUTHERN SAN JOAQUIN VALLEY 1980
 YIELD: 8 TONS/ACRE BY JIM PEACOCK, TULARE CO. FARM ADVISOR

FUEL USED IN GALLONS PER HOUR

TRACTOR 35 HP 2.100
 TRACTOR 55HP 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	1.467	TRACTOR 55HP
CHISEL-RIP	1.424	TRACTOR 55HP
DUSTING RIG	0.706	TRACTOR 35 HP
SPRINGTOOTH	1.396	TRACTOR 55HP
FURROWER 3 SHOV.	1.344	TRACTOR 55HP
ROTORY MOWER	1.260	TRACTOR 55HP
CANE CUTTERS	1.815	TRACTOR 55HP

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
CHISEL-RIP	0.000	0.000	1.467	0.000	0.000	0.000	0.000	0.000	0.000	2.933	0.000	0.000	4.400	DIESEL
DUSTING RIG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.424	0.000	1.424	DIESEL
SPRINGTOOTH	0.000	0.000	0.000	0.706	0.706	0.706	0.706	0.000	0.000	0.000	0.000	0.000	2.823	GAS
PICKUP 3/4 TON	0.000	0.000	1.396	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.396	DIESEL
FURROWER 3 SHOV.	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	12.000	GAS
ROTORY MOWER	0.000	0.000	1.344	0.000	0.000	0.000	0.000	0.000	0.000	1.344	0.000	0.000	2.689	DIESEL
CANE CUTTERS	0.000	0.000	0.000	0.000	0.000	1.260	1.260	1.260	1.260	0.000	0.000	0.000	5.042	DIESEL
TOTALS	1.000	1.000	5.207	1.706	1.706	4.781	4.781	4.075	4.075	5.278	2.424	1.000	37.034	

GALLONS FUEL BY TYPE
 4.62 GAS
 0.00 LP
 2.21 DIESEL
 0.00 N. GAS
 0.00 KWHR

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

Updated 1/13/81

WINERY OPERATIONS SUMMARY
 BUDGET RECORD NUMBER 66
 THE PRODUCTION COSTS AND RETURNS FOR WINE VARIETY GRAPES
 CENTRAL SAN JOAQUIN VALLEY 1980
 YIELD: 8 TONS/ACRE BY JIM PEACOCK, TULARE CO. FARM ADVISOR

*** SCS BUDGET ***

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOUR S	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
TRING RIG	3, 90	JULY	1.00	0.370	0.306	1.62	2.13
KUP 3/4 TON	15	JULY	5.00	0.300	0.250	1.51	1.00
RY MOWER	4, 122	JULY	1.00	0.578	0.477	2.34	3.44
E CUTTERS	4, 123	JULY	1.00	0.832	0.688	2.84	4.22
KUP 3/4 TON	15	AUG	5.00	0.300	0.250	1.51	1.00
RY MOWER	4, 122	AUG	1.00	0.578	0.477	2.34	3.44
E CUTTERS	4, 123	AUG	1.00	0.832	0.688	2.84	4.22
KUP 3/4 TON	15	SEPT	5.00	0.300	0.250	1.51	1.00
RY MOWER	4, 122	SEPT	1.00	0.578	0.477	2.34	3.44
E CUTTERS	4, 123	SEPT	1.00	0.832	0.688	2.84	4.22
	4, 79	OCT	2.00	1.344	1.111	6.53	15.72
KUP 3/4 TON	15	OCT	5.00	0.300	0.250	1.51	1.00
OWER 3 SHOVS.	4, 103	OCT	1.00	0.616	0.509	2.41	3.88
EL-RIP	4, 66	NOV	1.00	0.652	0.539	2.36	4.56
KUP 3/4 TON	15	NOV	5.00	0.300	0.250	1.51	1.00
KUP 3/4 TON	15	DEC	5.00	0.300	0.250	1.51	1.00
KUP 3/4 TON	15	JAN	5.00	0.300	0.250	1.51	1.00
KUP 3/4 TON	15	FEB	5.00	0.300	0.250	1.51	1.00
	4, 79	MAR	1.00	0.672	0.556	3.26	7.86
NGTOOTH	4, 100	MAR	1.00	0.640	0.529	2.60	4.74
KUP 3/4 TON	15	MAR	5.00	0.300	0.250	1.51	1.00
OWER 3 SHOVS.	4, 103	MAR	1.00	0.616	0.509	2.41	3.88
TRING RIG	3, 90	APR	1.00	0.370	0.306	1.62	2.13
KUP 3/4 TON	15	APR	5.00	0.300	0.250	1.51	1.00
TRING RIG	3, 90	MAY	1.00	0.370	0.306	1.62	2.13
KUP 3/4 TON	15	MAY	5.00	0.300	0.250	1.51	1.00
TRING RIG	3, 90	JUNE	1.00	0.370	0.306	1.62	2.13
KUP 3/4 TON	15	JUNE	5.00	0.300	0.250	1.51	1.00
RY MOWER	4, 122	JUNE	1.00	0.578	0.477	2.34	3.44
E CUTTERS	4, 123	JUNE	1.00	0.832	0.688	2.84	4.22

TOTALS 15.259 12.635 64.92 91.83

4 YIELDING VARIETIES WOULD PRODUCE 11 TONS PER ACRE

1. SET SPRINKLER IRR.: 41 ACIN/YR INTEREST: 7 3/8% (SHORT & LONG TERM)

ED ON 120 ACRES GRAPES ON 160 ACRE VINEYARD

updated 1/13/81

RANGING ANALYSIS FOR BUDGET RECORD NUMBER 66
 SAMPLE PRODUCTION COSTS AND RETURNS FOR WINE VARIETY GRAPES
 SOUTHERN SAN JOAQUIN VALLEY 1930
 YIELD: 8 TONS/ACRE BY JIM PEACOCK, TULARE CO. FARM ADVISOR

*** SCS BUDGET ***

INCOME ABOVE VARIABLE COSTS
 WHEN THE PRICE OF GRAPES, WINE RANGES FROM 138.60 TO 169.40
 AND THE QUANTITY OF GRAPES, WINE RANGES FROM 6.40 TO 9.60

QUANTITY OF GRAPES, WIN	PRICE OF GRAPES, WINE				
	138.60	146.30	154.00	161.70	169.40
6.40	* -23.42	* 25.86	* 75.14	* 124.42	* 173.70
7.20	* 87.46	* 142.90	* 198.34	* 253.78	* 309.22
8.00	* 198.34	* 259.94	* 321.54	* 383.14	* 444.74
8.80	* 309.22	* 376.98	* 444.74	* 512.50	* 580.26
9.60	* 420.10	* 494.02	* 567.94	* 641.86	* 715.78

INCOME ABOVE ALL CASH COSTS
 WHEN THE PRICE OF GRAPES, WINE RANGES FROM 138.60 TO 169.40
 AND THE QUANTITY OF GRAPES, WINE RANGES FROM 6.40 TO 9.60

QUANTITY OF GRAPES, WIN	PRICE OF GRAPES, WINE				
	138.60	146.30	154.00	161.70	169.40
6.40	* -102.36	* -53.08	* -3.80	* 45.48	* 94.76
7.20	* 8.52	* 63.96	* 119.40	* 174.84	* 230.28
8.00	* 119.40	* 181.00	* 242.60	* 304.20	* 365.60
8.80	* 230.28	* 298.04	* 365.80	* 433.56	* 501.32
9.60	* 341.16	* 415.08	* 489.00	* 562.92	* 636.84

INCOME ABOVE ALL COSTS
 WHEN THE PRICE OF GRAPES, WINE RANGES FROM 138.60 TO 169.40
 AND THE QUANTITY OF GRAPES, WINE RANGES FROM 6.40 TO 9.60

QUANTITY OF GRAPES, WIN	PRICE OF GRAPES, WINE				
	138.60	146.30	154.00	161.70	169.40
6.40	* -987.28	* -938.00	* -688.72	* -839.44	* -790.16
7.20	* -876.40	* -820.96	* -765.52	* -710.08	* -654.64
8.00	* -765.52	* -703.92	* -642.32	* -580.72	* -519.12
8.80	* -654.64	* -586.88	* -519.12	* -451.36	* -383.60
9.60	* -543.76	* -469.94	* -395.92	* -322.00	* -248.08

HIGH YIELDING VARIETIES WOULD PRODUCE 11 TONS PER ACRE
 PERM. SET SPRINKLER IRR.: 41 ACIN/YR INTEREST: 7 3/8% (SHORT & LONG TERM)
 BASED ON 120 ACRES GRAPES OR 160 ACRE VINEYARD

updated 1/13/81

SION #29.2.5.

1/13/81 12:34:08 HOURS

STORED DATA PAGE (NO CALCULATIONS) FOR GRAPES, WINE

BUDGET RECORD NUMBER 66

SAMPLE PRODUCTION COSTS AND RETURNS FOR WINE VARIETY GRAPES
SOUTHERN SAN JOAQUIN VALLEY 1980
YIELD: 8 TONS/ACRE BY JIM PEACOCK, TULARE CO. FARM ADVISOR

COSTS AND RETURNS WILL BE
DIVIDED BY 8.C TON
TO OBTAIN PER TON COSTS

	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																		
GRAPES, WINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	6.00	0.00	0.00	0.00	154.000	0.000	3.	47.	2.	0.
	NUMBER OF UNITS																	
	RATE/UNIT																	
	PRICE																	
	SHARE																	
	UNIT																	
	ITEM																	
	TYPE																	
	XXXX																	
PRUNING	0.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.220	0.000	25.	340.	3.	0.
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	8.000	0.000	7.	313.	3.	0.
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.
WOODRY MILDW CTL	0.00	0.00	0.00	0.25	0.25	0.25	0.25	0.00	0.00	0.00	0.00	0.00	8.000	0.000	7.	239.	3.	0.
HERBICIDE	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.000	0.000	7.	250.	3.	0.
INSECTICIDE	0.00	0.00	0.00	0.00	0.50	0.00	0.50	0.00	0.00	0.00	0.00	0.00	88.000	0.000	7.	240.	3.	0.
HARVEST & HAUL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	6.00	0.00	0.00	0.00	42.000	0.000	3.	318.	3.	9.
IRRIG DIST WATER	0.00	0.00	0.00	0.00	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	16.000	0.000	7.	323.	3.	0.
IRRIG DIST WATER	0.00	0.00	4.00	4.00	6.00	6.00	7.00	6.00	5.00	3.00	0.00	0.00	2.000	0.000	11.	323.	3.	0.
FERTILIZER APP	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.500	0.000	7.	356.	3.	0.

MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												# CREW	POWER	MACH	TYPE	HARV	
													LABOR	UNIT	CODE		CODE	
DISC	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.000	0.000	4.	79.	4.	0.
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.000	0.000	4.	66.	4.	0.
	0.00	0.00	0.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	90.	4.	0.	
	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	100.	4.	9.	
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.
R 3 SHOVS.	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.000	0.000	4.	103.	4.	0.
RY POWER	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.000	0.000	4.	122.	4.	0.
CANE CUTTERS	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.000	0.000	4.	123.	4.	0.

ACIN IRRIG WATER	0.00	0.00	4.00	4.00	6.00	6.00	7.00	6.00	5.00	3.00	0.00	0.00	0.00	0.00	0.00	0.53.	0.
HO. TIRES IRRIG	0.00	0.00	1.00	1.00	1.50	1.50	1.80	1.50	1.10	0.75	0.00	0.00	0.00	0.00	0.00	0.53.	0.

INPMENT REQUIREMENTS	NUMBER												PROPORT	XXX	EQUIP	TYPE	XXXX	
	UNITS												OF COST		CODE		XXXX	
FARM SHOP	1.000												1.000	0.	2.	5.	0.	
TOOLS-SHOP EQUIP	1.000												1.000	0.	4.	5.	0.	
STORAGE SHED	1.000												1.000	0.	8.	5.	0.	
FUELTANK 550 GAL	1.000												1.000	0.	16.	5.	0.	
UNGS --->																		
D 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											
	1.		120.00	5500.00	65.00	30.0	4726.00											
ERPRISE 2-47 REGION/COUNTY 39 UNASSIGNED 00000 MACH COMP 8 IRRIG SYST 8 UNASSIGNED 0 EQUIP SET 1 HARVEST MONTH 6																		

HIGH YIELDING VARIETIES WOULD PRODUCE 11 TONS PER ACRE
PERM. SET SPRINKLER IRR.: 41 ACIN/YR INTEREST: 7 3/8% (SHORT & LONG TERM)
BASED ON 120 ACRES GRAPES ON 160 ACRE VINEYARD
Updated 1/13/81

MACHINERY COMPLEMENT 8
EQUIPMENT COMPLEMENT 1

LNRY NAME CHANGE->	42	GONDOLAS	90	DUSTING RIG	4	TRACTOR 55HP	79	DISC	66	CHISEL-RIP		
LNRY NAME CHANGE->	103	FURROWER 3 SHOVS.	123	CANE CUTTERS								
RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	
CH COMP CHGS-->	90. 2.	15.000000	90. 3.	4000.000000	90.13.	4000.000000	4. 2.	55.000000	*** 3.	800.000000	***13.	800.000000
CHGS-->	6.	9.000000	26.	0.073700	10.	4.500000	11.	5.500000	12.	5.500000	18.	0.625000

so default data

Additional Notes: Wine Grapes
Southern San Joaquin Valley 1980
By Jim Peacock, Tulare Co. Farm Advisor

Data Base: Budget 338
Sample Production Costs & Returns for Wine Variety Grapes 1980
By Lynn Horel, SRA
Ed Yeary, farm advisor
(attached)

A. Production

Yield: 8 tons per acre

B. Operating Inputs

1. Herbicide: typically simazone, devirrol or karmex to control grasses
2. Insecticides: includes material and application.
May: cyroicide against worms
July: cygon or omite against mites, grasshoppers

C. Machinery Requirements

Frost protection during March:

1. Tandem disc 1x
2. Furrow
3. Sprinkle 3-4 Acin