

TITLE: SAMPLE COSTS & RETURNS TO PRODUCE
OLIVES IN SOUTHERN SAN JOAQUIN VALLEY
1978 INPUT PRICES

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
OLIVES	TON	356.000	4.000	1424.00	
TOTAL RECEIPTS:				\$ 1424.00	
2. VARIABLE COSTS:					
PREHARVEST:					
PRUNING	TREE	2.500	48.000	120.00	
BRUSH REMOVAL	ACRE	8.000	0.500	4.00	
NITROGEN	LBS.	0.300	40.000	12.00	
IRRIGATION WATER	ACFT	11.000	3.330	36.63	
HERBICIDE	ACRE	20.000	0.990	19.80	
INSECTICIDE	ACRE	60.000	1.000	60.00	
FUNGICIDE	ACRE	40.000	1.000	40.00	
MISC SUPPLIES	ACRE	16.000	1.000	16.00	
SEASONAL LABOR	HOUR	3.750	6.000	22.50	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			5.13	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			27.22	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			0.29	
IRRIGATION (LUBE-REPAIRS)	ACRE			7.81	
IRRIGATION WATER APPLIED	ACIN	0.196	39.960		
MACHINERY LABOR	HOUR	5.100	10.006	51.03	
IRRIGATION LABOR	HOUR	4.250	10.500	44.63	
INTEREST ON OPERATING CAP.	DOL.	0.086	161.053	13.68	
TOTAL PREHARVEST COSTS:				\$ 480.71	
PREHARVEST COST PER TON				\$ 120.18	
HARVEST:					
HARVEST & HAUL	TON	140.000	4.000	560.00	
INTEREST ON OPERATING CAP.	DOL.	0.086	303.333	26.18	
TOTAL HARVEST COSTS:				\$ 586.18	
HARVEST COST PER TON				\$ 146.54	
TOTAL VARIABLE COSTS:				\$ 1066.89	
VARIABLE COST PER TON				\$ 266.72	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER TON				\$ 357.11	
				\$ 89.28	
4. CASH OVERHEAD:					
REAL PROPERTY TAXES:				60.00	
MISC. OFFICE & BOOKKEEPING (2.50% OF TOTAL VARIABLE COSTS)				26.67	
TOTAL CASH OVERHEAD:				\$ 86.67	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER TON				\$ 270.44	
				\$ 67.61	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			21.27	
IRRIGATION SYSTEM	ACRE			10.77	
BUILDINGS	ACRE			17.90	
TREES, VINES OR STAND	ACRE			43.75	
TOTAL DEPRECIATION:				\$ 93.68	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.086	164.848	14.23	
IRRIGATION SYSTEM		0.086	98.998	8.54	
BUILDINGS		0.086	325.333	28.08	
TREES, VINES OR STAND		0.086	1750.000	151.02	
LAND		0.083	1750.000	144.38	
TOTAL INTEREST CHARGE:				\$ 346.25	
TOTAL FIXED COSTS:				\$ 439.93	
FIXED COST PER TON				109.98	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER TON				\$ 1593.49	
				398.37	
8. NET RETURNS:					
NET RETURNS PER TON				\$ -169.49	
				-42.37	

HISTORICAL FILE - 1978

BASED ON A 60 ACRE ORCHARD
WITH 48 TREES/ACRE

AUTHOR:
UC Cooperative Extension UPDATED 11/10/78

CATEGORY	UNIT	MONTHLY SUMMARY OF RECEIPTS AND EXPENSES												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
TOTAL RECEIPTS	\$/AC	356.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	356.00	356.00	356.00	1424.00
OPERATING EXPENSES														
PRUNING	\$/AC	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00
BRUSH REMOVAL	\$/AC	0.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00
NITROGEN	\$/AC	0.00	0.00	6.00	0.00	6.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	12.00
IRRIGATION WATER	\$/AC	0.00	0.00	0.00	5.50	5.50	5.50	5.50	5.50	5.50	3.63	0.00	0.00	36.63
HERBICIDE	\$/AC	0.00	0.00	0.00	6.60	0.00	6.60	0.00	6.60	0.00	0.00	0.00	0.00	19.80
INSECTICIDE	\$/AC	0.00	0.00	0.00	0.00	40.20	0.00	19.80	0.00	0.00	0.00	0.00	0.00	60.00
FUNGICIDE	\$/AC	0.00	0.00	0.00	26.80	0.00	13.20	0.00	0.00	0.00	0.00	0.00	0.00	40.00
MISCL SUPPLIES	\$/AC	0.00	0.00	8.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00
SEASONAL LABOR	\$/AC	0.00	0.00	0.00	3.75	3.75	3.75	3.75	3.75	3.75	0.00	0.00	0.00	22.50
HARVEST & HAUL	\$/AC	140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	140.00	140.00	140.00	560.00
MACHINE LABOR COST	\$/AC	3.81	3.06	6.13	4.05	4.05	7.12	4.05	3.06	3.06	3.81	3.81	5.02	51.03
INTEREST ON OPER. CAP.	\$/AC	5.25	0.15	2.96	0.90	0.48	0.00	3.87	2.04	1.41	9.02	7.36	6.38	39.85
TRACTOR COST	\$/AC	0.27	0.00	1.10	0.35	0.35	1.45	0.35	0.00	0.00	0.27	0.27	0.70	5.13
EQUIPMENT COST	\$/AC	2.15	2.14	2.49	2.28	2.28	2.62	2.28	2.14	2.14	2.15	2.15	2.40	27.22
BLDG 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	0.29
IRRIGATION COST	\$/AC	0.00	0.00	0.00	1.17	1.17	1.17	1.17	1.17	1.17	0.77	0.00	0.00	7.81
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	6.38	6.38	6.38	6.38	6.38	6.38	6.38	0.00	0.00	44.63
TOTAL EXPENSES	\$/AC	151.51	5.37	144.71	65.80	70.18	47.82	53.19	30.67	23.43	166.05	153.61	154.53	1066.89

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC	0.75	0.60	1.20	0.79	0.79	1.40	0.79	0.60	0.60	0.75	0.75	0.98	10.01
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	0.00	0.00	10.50
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	6.00	6.00	6.00	6.00	6.00	6.00	3.96	0.00	0.00	39.96

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 35 HP	3	35.0	8300.	15.	300.	3.79	3.64	0.79	8.22	3.11	0.47	1.56	5.13	2.551
TRUCK 1 1/2 TON	12	1.5	11000.	10.	360.	7.81	4.54	1.03	13.38	9.40	1.41	5.07	15.88	3.000
PICKUP 1/2 TON	14	0.5	7500.	7.	435.	5.50	2.80	0.58	8.89	6.96	1.04	1.83	9.84	3.000
BINS	42	5.0	960.	10.	200.	0.19	0.12	0.03	0.33	0.00	0.00	0.02	0.02	0.489
SURFACE IRR SYS*	53	2.0	38250.	10.	5000.	10.77	8.54	1.72	21.03	0.00	0.15	7.66	7.81	19.980
DISC-OFFSET	77	8.0	2400.	15.	125.	0.23	0.18	0.04	0.45	0.00	0.00	0.25	0.25	0.195
WD SPRYR 500 GAL	89	35.0	4200.	15.	50.	3.24	2.54	0.60	6.38	0.00	0.01	0.53	0.54	0.640
FURROWER 4SHOVEL	102	6.5	1200.	15.	140.	0.51	0.40	0.10	1.01	0.00	0.01	0.68	0.69	0.995
SHOP TOOLS&EQUIP	4		10500.	15.		8.17	9.82	1.97	19.95	0.00		0.23	0.23	
STORAGE SHED	8		22500.	35.		9.64	17.80	4.22	31.66	0.00		0.05	0.05	
FUELTANK 350 GAL	18		400.	30.		0.09	0.46	0.08	0.62	0.00		0.00	0.00	

TOTAL INVESTMENT OR COST 107210.
 MACHINERY & EQUIPMENT 1787.
 INVESTMENT PER ACRE 49.93 50.65 11.16 111.94 19.46 3.10 17.88 40.45

BASED ON A 60 ACRE ORCHARD
 WITH 48 TREES/ACRE

UC Cooperative Extension

AUTHOR:
 UPDATED 11/10/78

SAMPLE COSTS & RETURNS TO PRODUCE
 OLIVES IN SOUTHERN SAN JOAQUIN VALLEY
 1978 INPUT PRICES

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	ITEM	TYPE	XXXX
1 OLIVES	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	356.000	0.000	3.	52.	2.	0.
OPERATING INPUTS																		
	NUMBER OF UNITS												PRICE	SHARE	UNIT	ITEM	TYPE	HARV
	RATE/UNIT												RENT	CODE	CODE		CODE	
6 PRUNING	0.00	0.00	48.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.500	0.000	24.	340.	3.	0.
7 BRUSH REMOVAL	0.00	0.00	0.50	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.
8 NITROGEN	0.00	0.00	0.00	0.00	20.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.300	0.000	12.	211.	3.	0.
9 IRRIGATION WATER	0.00	0.00	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.33	0.00	0.00	11.000	0.000	30.	324.	3.	0.
10 HERBICIDE	0.00	0.00	0.00	0.33	0.00	0.33	0.00	0.33	0.00	0.00	0.00	0.00	20.000	0.000	7.	250.	3.	0.
11 INSECTICIDE	0.00	0.00	0.00	0.00	0.67	0.00	0.33	0.00	0.00	0.00	0.00	0.00	60.000	0.000	7.	240.	3.	0.
12 FUNGICIDE	0.00	0.00	0.00	0.67	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	40.000	0.000	7.	241.	3.	0.
13 MISCL SUPPLIES	0.00	0.00	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.000	0.000	7.	423.	3.	0.
14 SEASONAL LABOR	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	3.750	0.000	8.	330.	3.	0.
15 HARVEST & HAUL	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	140.000	0.000	3.	318.	3.	9.
MACHINERY REQUIREMENTS																		
	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												M CREW		POWER	MACH	TYPE	HARV
													LABOR	UNIT	CODE		CODE	
26 DISC-OFFSET	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.000	0.000	3.	77.	4.	0.
27 FURROWER 4SHOVEL	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	102.	4.	0.
28 WD SPRYR 500 GAL	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	3.	89.	4.	0.
29 TRUCK 1 1/2 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.	12.	4.	0.
30 PICKUP 1/2 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.	14.	4.	0.
31 BINS	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	0.000	0.000	3.	42.	4.	0.
													SHARE	SHARE	POWER	SYSM		
													FIXED %	VAR %	UNIT	CODE	LIFT	
49 ACIN IRRIG WATER	0.00	0.00	0.00	6.00	6.00	6.00	6.00	6.00	6.00	3.96	0.00	0.00	0.00	0.00	0.00	0.	53.	0.
50 NO. TIMES IRRIG	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00						
EQUIPMENT REQUIREMENTS																		
													NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX
													UNITS	OF COST		CODE		
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.	60.00			1750.00	60.00	40.0	3500.00										
BASED ON A 60 ACRE ORCHARD WITH 48 TREES/ACRE																		
MACHINERY COMPLEMENT 7 EQUIPMENT COMPLEMENT 1																		
AUTHOR: UPDATED 11/10/78																		
LINE CHANGE LINE CHANGE LINE CHANGE LINE CHANGE LINE CHANGE																		
MACHNRY NAME CHANGE-> 42 BINS																		
UC Cooperative Extension																		

NO COMPLEMENT CHANGES HAVE BEEN STORED WITH THIS BUDGET