

COST & RETURNS SUMMARY FOR KIWIFRUIT
3RD YEAR ESTABLISHMENT COSTS FOR KIWIFRUIT
TULARE, FRESNO & KINGS COUNTIES 1981
BY J. LARUE, F. YOSHIKAWA & B. BEEDE, FARM ADVISORS - P. THOMAS, SRA

KW-VS-81-3

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
KIWIFRUIT	FLAT	9.500	50.000	475.00	
TOTAL RECEIPTS:				475.00	
2. VARIABLE COSTS:					
PREHARVEST:					
PRE-EMERGE HERB.	ACRE	30.000	1.000	30.00	
WEED CONTROL	ACRE	30.000	1.000	30.00	
PEST CONTROL	ACRE	20.000	1.000	20.00	
NITROGEN	LBS.	0.350	50.000	17.50	
DORMANT PRUNE	HOURL	5.000	23.000	115.00	
BRUSH SHREDDING	ACRE	10.000	1.000	10.00	
PRUNE-TIE-SUCKER	HOURL	5.000	23.000	115.00	
P-T-S MATERIALS	ACRE	10.000	1.000	10.00	
RISC. LABOR	HOURL	5.000	5.004	25.02	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			3.41	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			96.03	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			5.10	
IRRIGATION (POWER-LUBE-REP)	ACIN	4.382	20.500	89.83	
MACHINERY LABOR	HOURL	5.650	18.811	106.28	
IRRIGATION LABOR	HOURL	5.650	6.300	35.60	
INTEREST ON OPERATING CAP.	DOL.	0.14000	313.528	42.79	
TOTAL PREHARVEST COSTS:				751.55	
HARVEST:					
PICK	FLAT	0.250	50.000	12.50	
PACK	FLAT	2.250	50.000	112.50	
HAULING	FLAT	0.050	50.000	2.50	
STORAGE -3 MOS	FLAT	0.750	50.000	37.50	
SELLING CHARGES	FLAT	0.950	50.000	47.50	
TOTAL HARVEST COSTS:				212.50	
TOTAL VARIABLE COSTS:				964.05	
3. INCOME ABOVE VARIABLE COSTS:					
					-489.05
4. OVERHEAD:					
PERSONAL PROPERTY TAXES:				9.10	
REAL PROPERTY TAXES:				50.00	
RISC. OFFICE & BOOKKEEPING (2.50% OF TOTAL VARIABLE COSTS)				24.10	
TOTAL OVERHEAD:				83.20	
OVERHEAD COST PER ACRE				83.1965	
TOTAL CASH COSTS:				1047.25	
5. INCOME ABOVE ALL CASH COSTS:					
					-572.25
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			40.01	
IRRIGATION SYSTEM	ACRE			88.27	
BUILDINGS	ACRE			298.90	
TOTAL DEPRECIATION:				427.18	
CAPITAL & INTEREST:					
MACHINERY&EQUIPMENT		0.14000	250.895	35.13	
IRRIGATION SYSTEM		0.14000	487.738	68.28	
BUILDINGS		0.10670	1812.131	193.35	
LAND		0.10670	5500.000	586.85	
TOTAL INTEREST CHARGE:				883.61	
TOTAL FIXED COSTS:				1310.80	
7. TOTAL OF ABOVE COSTS:					
					2358.04
8. NET RETURNS:					
					-1883.04

5 ACRES KIWIFRUIT OF 40 ACRE ORCHARD OR VINEYARD
 FOGGER/NISTER IRRIGATION SYSTEM - WELL WATER
 LANDOWNER BASIS NO FROST PROTECTION
 DATE PRINTED: 11/20/81 HARVEST MONTH: 11

UC Cooperative Extension

UPDATED 11/20/81
 BUDGET RECORD NUMBER 323

CASH FLOW & INVESTMENT SUMMARY FOR KIWIFRUIT
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MONTHLY SUMMARY OF RECEIPTS AND EXPENSES

CATEGORY	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL RECEIPTS	\$/AC											475.00		475.00
OPERATING EXPENSES														
PRE-EMERGE HERB.	\$/AC											30.00		30.00
WEED CONTROL	\$/AC					6.00	6.00	6.00	6.00	6.00				30.00
PEST CONTROL	\$/AC							20.00						20.00
NITROGEN	\$/AC					3.50	3.50	3.50	3.50	3.50				17.50
DORRANT PRUNE	\$/AC	115.00												115.00
BRUSH SHREDDING	\$/AC	10.00												10.00
PRUNE-TIE-SUCKER	\$/AC					23.00	23.00	23.00	23.00	23.00				115.00
P-T-S MATERIALS	\$/AC					2.00	2.00	2.00	2.00	2.00				10.00
RISC. LABOR	\$/AC	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	25.02
PICK	\$/AC											12.50		12.50
PACK	\$/AC											112.50		112.50
HAULING	\$/AC											2.50		2.50
STORAGE -3 MOS	\$/AC											37.50		37.50
SELLING CHARGES	\$/AC											47.50		47.50
MACHINE LABOR COST	\$/AC	8.48	8.48	8.48	10.77	8.48	8.48	8.48	8.48	8.48	8.48	10.77	8.48	106.28
INTEREST ON OPER. CAP.	\$/AC	16.61	1.96	1.73	2.35	4.57	4.34	4.35	2.58	1.63	0.32		2.36	42.79
TRACTOR COST	\$/AC				1.70							1.70		3.41
EQUIPMENT COST	\$/AC	7.92	7.92	7.92	8.42	7.92	7.92	7.92	7.92	7.92	7.92	8.42	7.92	96.03
BLDG OPER. COST	\$/AC	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	5.10
IRRIGATION COST	\$/AC				4.38	10.08	17.09	17.09	17.09	14.46	7.01	2.63		89.83
IRRIG LABOR COST	\$/AC				1.69	3.95	6.78	6.78	6.78	5.65	2.83	1.13		35.60
TOTAL EXPENSES	\$/AC	160.51	20.86	20.63	31.83	72.01	81.61	101.62	79.85	75.14	29.06	269.67	21.26	964.05

MONTHLY IRRIGATION AND LABOR REQUIREMENTS

	HR/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
MACHINE LABOR	HR/AC	1.50	1.50	1.50	1.91	1.50	1.50	1.50	1.50	1.50	1.50	1.91	1.50	18.81
IRRIGATION LABOR	HR/AC				0.30	0.70	1.20	1.20	1.20	1.00	0.50	0.20		6.30
IRRIG. WATER APPLIED	ACIN				1.00	2.30	3.90	3.90	3.90	3.30	1.60	0.60		20.50

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 65HP	4	65.0	16000.	15.	300.	2.11	3.29	0.88	6.28	2.21	0.33	0.87	3.41	0.737
PICKUP 1/2 TON	14	0.5	10000.	7.	435.	36.69	30.30	7.76	74.75	72.00	10.80	12.22	95.02	15.000
WELL PUMP 71/2HP	21	0.2	1900.	10.	750.	24.30	18.80	5.76	48.86	42.87	0.64	8.75	52.26	*****
MISTER IRIG SYS#	56	0.2	5000.	10.	750.	63.96	49.48	15.15	128.59	0.00	0.74	36.83	37.57	*****
DISC-OFFSET	78	10.0	3000.	15.	100.	1.21	1.54	0.45	3.21	0.00	0.02	0.99	1.01	0.670
FARM SHOP	1		2250.	35.		11.57	26.41	4.50	42.48	4.50		0.19	4.69	
TOOLS-SHOP EQUIP	4		1536.	15.		14.33	21.30	3.07	38.70	0.00		0.41	0.41	
TRELLIS	74		13650.	10.		273.00	145.65	27.30	445.95	0.00		0.00	0.00	

MACHINERY & EQUIPMENT 10667.
 INVESTMENT & COSTS PER ACRE 427.18 296.76 64.87 788.82 121.58 12.53 60.26 194.36
 TOTAL INVESTMENT 53336.

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FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 323
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FUEL USED IN GALLONS PER HOUR

TRACTOR 65HP 3.120
 PICKUP 1/2 TON 4.000
 WELL PUMP 7 1/2HP 6.263 (KWHRS)

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
PICKUP 1/2 TON	0.200	
DISC-OFFSET	1.716	TRACTOR 65HP
MISTER IRIG SYS*	632.451 (KWHRS)	WELL PUMP 7 1/2HP

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	0.000	1.150	0.000	0.000	0.000	0.000	0.000	0.000	1.150	0.000	2.299	DIESEL
PICKUP 1/2 TON	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	60.000	GAS
MISTER IRIG SYS*	0.000	0.000	0.000	30.851	70.958	120.320	120.320	120.320	101.809	49.362	18.511	0.000	632.451	KWH
TOTALS	5.000	5.000	5.000	37.001	75.958	125.320	125.320	125.320	106.809	54.362	24.660	5.000	62.299	

GALLONS FUEL BY TYPE

60.00 GAS
 0.00 LP
 2.30 DIESEL
 0.00 N. GAS
 632.45 KWHRS

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

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MACHINERY OPERATIONS SUMMARY BUDGET RECORD NUMBER 323
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OPERATION	ITEM NO.	DATE	TIRES OVER	LABOR HOUR S	MACHINE HOURS	FUEL,OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
PICKUP 1/2 TON		14 DEC	25.00	1.500	1.250	7.92	6.23
PICKUP 1/2 TON		14 JAN	25.00	1.500	1.250	7.92	6.23
PICKUP 1/2 TON		14 FEB	25.00	1.500	1.250	7.92	6.23
PICKUP 1/2 TON		14 MAR	25.00	1.500	1.250	7.92	6.23
DISC-OFFSET	4,	78 APR	0.67	0.405	0.335	2.21	4.74
PICKUP 1/2 TON		14 APR	25.00	1.500	1.250	7.92	6.23
PICKUP 1/2 TON		14 MAY	25.00	1.500	1.250	7.92	6.23
PICKUP 1/2 TON		14 JUNE	25.00	1.500	1.250	7.92	6.23
PICKUP 1/2 TON		14 JULY	25.00	1.500	1.250	7.92	6.23
PICKUP 1/2 TON		14 AUG	25.00	1.500	1.250	7.92	6.23
PICKUP 1/2 TON		14 SEPT	25.00	1.500	1.250	7.92	6.23
PICKUP 1/2 TON		14 OCT	25.00	1.500	1.250	7.92	6.23
DISC-OFFSET	4,	78 NOV	0.67	0.405	0.335	2.21	4.74
PICKUP 1/2 TON		14 NOV	25.00	1.500	1.250	7.92	6.23
TOTALS			18.811	15.670		99.44	84.24

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INSUFFICIENT STORAGE FOR 0001GE 475 BRUSH SHREDDING
INSUFFICIENT STORAGE FOR 0001GE 350 PEST CONTROL
INSUFFICIENT STORAGE FOR 0001GE 96 MISTER TRIG SYS#
INSUFFICIENT STORAGE FOR 0001GE 74 TRELIS

STORED DATA PAGE (NO CALCULATIONS) FOR KIWIFRUIT

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COSTS AND RETURNS WILL BE DIVIDED BY 1.0 ACRE TO OBTAIN PER ACRE COSTS

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Table with columns: LINE, PRODUCTION, OPERATING INPUTS, JAN-DEC, PRICE, SHARE, UNIT, ITEM, TYPE, HARV. Rows include 1 KIWIFRUIT, 15 PRE-EMERGE HERB., 16 WEED CONTROL, etc.

Table with columns: MACHINERY REQUIREMENTS, IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE, # CREW, POWER, MACH, TYPE, HARV. Rows include 26 DISC-OFFSET, 30 PICKUP 1/2 TON, 30 ACIN IRRIG WATER, etc.

Table with columns: EQUIPMENT REQUIREMENTS, NUMBER OF UNITS, PROPORTION OF COST, XXX EQUIP CODE, TYPE-XXXX. Rows include 52 FARM SHOP, 53 TOOLS-SHOP EQUIP, 54 TRELIS COLUMNS --->, etc.

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MACHINERY COMPLEMENT 7
EQUIPMENT COMPLEMENT 1

Table with columns: GENERAL NAME CHANGE->, MACHNRY NAME CHANGE->. Rows include 99 DORMANT PRUNE, 296 PICK, 297 PACK, etc.

Table with columns: RW CL, VALUE, RW CL, VALUE, RW CL, VALUE, RW CL, VALUE, RW CL, VALUE, RW CL, VALUE. Rows include 78. 2. 10.000000, 4.16. 65.000000, etc.

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