

#324

COST & RETURNS SUMMARY FOR KIWIFRUIT
4TH YEAR ESTABLISHMENT COSTS FOR KIWIFRUIT
TULARE, FRESNO & KINGS COUNTIES 1981
BY J. LARUE, F. YOSHIKAWA & B. BEEDE, FARM ADVISORS - P. THOMAS, SRA

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
KIWIFRUIT	FLAT	9.500	428.000	4066.00	
TOTAL RECEIPTS:				4066.00	
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	75.000	26.25	
DORMANT PRUNE	HOURL	5.000	46.000	230.00	
BRUSH SHREDDING	ACRE	10.000	1.000	10.00	
PRUNE-TIE-SUCKER	HOURL	5.000	11.500	57.50	
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	4.216	25.600	107.93	
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	398.529	56.60	
TOTAL PREHARVEST COSTS:				847.72	
HARVEST:					
PICK	FLAT	0.250	428.000	107.00	
PACK	FLAT	2.250	428.000	963.00	
HAULING	FLAT	0.050	428.000	21.40	
STORAGE -3 MOS	FLAT	0.750	428.000	321.00	
SELLING CHARGES	FLAT	0.950	428.000	406.60	
TOTAL HARVEST COSTS:				1819.00	
TOTAL VARIABLE COSTS:				2666.72	
3. INCOME ABOVE VARIABLE COSTS: 1399.28					
4. OVERHEAD:					
PERSONAL PROPERTY TAXES:				9.10	
REAL PROPERTY TAXES:				50.00	
RISC. OFFICE & BOOKKEEPING (2.50% OF TOTAL VARIABLE COSTS)				66.62	
TOTAL OVERHEAD:				125.76	
TOTAL CASH COSTS:				2792.48	
5. INCOME ABOVE ALL CASH COSTS: 1273.52					
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			40.01	
IRRIGATION SYSTEM	ACRE			110.22	
BUILDINGS	ACRE			298.90	
TOTAL DEPRECIATION:				449.14	
CAPITAL & INTEREST:					
MACHINERY&EQUIPMENT		0.14000	250.895	35.13	
IRRIGATION SYSTEM		0.14000	609.077	85.27	
BUILDINGS		0.10670	1812.131	193.35	
LAND		0.10670	5500.000	586.85	
TOTAL INTEREST CHARGE:				900.60	
TOTAL FIXED COSTS:				1349.74	
7. TOTAL OF ABOVE COSTS: 4142.23					
8. NET RETURNS: -76.23					

CASH FLOW & INVESTMENT SUMMARY FOR KIWIFRUIT
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BUDGET RECORD NUMBER 324

MONTHLY SUMMARY OF RECEIPTS AND EXPENSES

CATEGORY	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL RECEIPTS	\$/AC											4066.00		4066.00
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					5.25	5.25	5.25	5.25	5.25				26.25
DORMANT PRUNE	\$/AC	230.00												230.00
BRUSH SHREDDING	\$/AC	10.00												10.00
PRUNE-TIE-SUCKER	\$/AC					11.50	11.50	11.50	11.50	11.50				57.50
P-T-S MATERIALS	\$/AC					2.00	2.00	2.00	2.00	2.00				10.00
MISC. 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											107.00		107.00
PACK	\$/AC											963.00		963.00
HAULING	\$/AC											21.40		21.40
STORAGE -3 NOS	\$/AC											321.00		321.00
SELLING CHARGES	\$/AC											406.60		406.60
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	29.88	1.96	1.73	2.40	4.03	3.99	4.07	2.37	1.47	0.34		2.36	54.60
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				5.06	11.80	20.66	20.66	20.66	17.29	8.43	3.37		107.93
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	288.78	20.86	20.63	32.56	63.44	75.09	95.16	73.46	68.06	30.50	1876.91	21.26	2666.72

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				1.20	2.80	4.90	4.90	4.90	4.10	2.00	0.80		25.60

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				TOTAL	HRS PER ACRE
						DEPR.	INTER.	TAX	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.	30.35	23.48	7.19	61.02	49.36	0.74	10.92	61.02	*****
MISTER IRIG SYS#	56	0.2	5000.	10.	750.	79.87	61.79	18.92	160.58	0.00	0.92	45.99	46.91	*****
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 449.14 313.75 70.07 832.96 128.06 12.81 71.60 212.47
 TOTAL INVESTMENT 53336.

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

UPDATED 11/20/81

FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 324
 4TH YEAR ESTABLISHMENT COSTS FOR KIWIFRUIT
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FUEL USED IN GALLONS PER HOUR

TRACTOR 65HP 3.120
 PICKUP 1/2 TON 4.000
 WELL PUMP 71/2HP 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	
MISTER IRIG SYS*	789.793 (KWHRS)	TRACTOR 65HP WELL PUMP 71/2HP

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	37.022	86.384	151.171	151.171	151.171	126.490	61.703	24.681	0.000	789.793	KWH
TOTALS	5.000	5.000	5.000	43.171	91.384	156.171	156.171	156.171	131.490	66.703	30.831	5.000	62.299	

GALLONS FUEL BY TYPE

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

5 ACRES KIWIFRUIT OF 40 ACRE ORCHARD OR VINEYARD
 FOGGER/MISTER IRRIGATION SYSTEM - WELL WATER
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FUEL TYPES

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

MACHINERY OPERATIONS SUMMARY BUDGET RECORD NUMBER 324
 4TH YEAR ESTABLISHMENT COSTS FOR KIWIFRUIT
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OPERATION	ITEM NO.	DATE	TIMES 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
 5 ACRES KIWIFRUIT OF 40 ACRE ORCHARD OR VINEYARD
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UPDATED 11/20/81

INSUFFICIENT STORAGE FOR 00016 475 BRUSH SHREDDING
INSUFFICIENT STORAGE FOR 00016 350 PEST CONTROL
INSUFFICIENT STORAGE FOR 00016 56 RISTER IRIG SYS#
INSUFFICIENT STORAGE FOR 00016 74 TRELLIS

BGET 0 0 00000 000 0 0 0 0 BRN 324 HAS BEEN ELIMATED.

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

Table with columns: LINE, PRODUCTION, 1-12, PRICE, SHARE, UNIT, ITEM, TYPE, XXXX. Row 1: 1 KIWIFRUIT, 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, 9.500, 0.000, 37.48, 2.0.

Table with columns: OPERATING INPUTS, RATE/UNIT, PRICE, SHARE, UNIT, ITEM, TYPE, HARV. Rows 15-35: 15 PRE-EMERGE HERB., 16 WEED CONTROL, 17 PEST CONTROL, 18 NITROGEN, 19 DORMANT PRUNE, 20 BRUSH SHREDDING, 21 PRUNE-TIE-SUCKER, 22 P-T-S MATERIALS, 25 MISC. LABOR, 31 PICK, 32 PACK, 33 HAULING, 34 STORAGE -3 NOS, 35 SELLING CHARGES.

MACHINERY REQUIREMENTS IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE

Table with columns: 26-30, 49-50, SHARE, SHARE, POWER, UNIT, CODE, LIFT. Rows 26-30: 26 DISC-OFFSET, 27 PICKUP 1/2 TON, 28, 29, 30. Rows 49-50: 49 ACIN IRRIG WATER, 50 NO. TIRES IRRIG.

EQUIPMENT REQUIREMENTS NUMBER, PROPORT, XXX, EQUIP, TYPE, XXXX

Table with columns: 52-54, 1.000, 0.125, 0., 1., 5., 0., 1.000, 0.125, 0., 4., 5., 0., 1.000, 1.000, 0., 74., 5., 0.

Table with columns: 71, CHARGE, NUMBER, VALUE OR, TAXES, PERENNIAL CROPS. Row 71: ENTERPRISE 2-48 REGION/COUNTY 64 UNASSIGNED 00000 RACH COMP 7 IRIG SYST 5 UNASSIGNED 0 EQUIP SET 1 HARVEST MONTH 11

5 ACRES KIWIFRUIT OF 40 ACRE ORCHARD OR VINEYARD
FOGGER/RISTER IRRIGATION SYSTEM - WELL WATER
LANDOWNER BASIS NO FROST PROTECTION

UPDATED 11/20/81 MACHINERY COMPLEMENT 7
EQUIPMENT COMPLEMENT 1

Table with columns: GENERAL NAME CHANGE->, LINE CHANGE, MACHNRY NAME CHANGE->. Rows include: 99 DORMANT PRUNE, 296 PICK, 297 PACK, 298 HAULING, 299 STORAGE -3 NOS, 393 P-T-S MATERIALS, 269 WEED CONTROL, 448 DISTRICT WATER, 394 PRE-EMERGE HERB, 352 MISC. LABOR, 300 CONTRACT N APPL., 261 SELLING CHARGES, 48 KIWIFRUIT, 203 VINES, 206 PRUNE-TIE-SUCKER, 4 TRACTOR 65HP, 102 FURROWER 25HOVEL, 21 WELL PUMP 71/2HP, 53 FURROW IRIG SYS#.

Table with columns: RM CL, VALUE, RM CL, VALUE, RM CL, VALUE, RM CL, VALUE, RM CL, VALUE, RM CL, VALUE. Rows include: RACH COMP CHGS-->, EQDAT COMP CHGS-->, PARAMETER CHGS-->.