

COST & RETURNS SUMMARY FOR KIWIFRUIT
1ST YEAR ESTABLISHMENT COSTS FOR KIWIFRUIT
TULARE, FRESNO & KINGS COUNTIES 1981
BY J. LARUE, F. YOSHIKAWA & B. BEEDE, FARM ADVISORS - P. THOMAS, SRA

KW-VS-75-1

	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:					
CONTR. LANDLEVEL	ACRE	110.000	1.000	110.00	
CONTRACT CHISEL	ACRE	60.000	1.000	60.00	
SOIL FURIGANT	GAL.	6.500	40.000	260.00	
FURIGANT APPL.	APLC	16.000	1.000	16.00	
ESTAB BERR-LABOR	HR	5.000	2.500	12.50	
ESTAB BERR-MACH	ACRE	60.000	1.000	60.00	
VINES	VINE	9.500	138.000	1311.00	
CONTRACT PLANT	VINE	1.500	138.000	207.00	
PRE-EMERGE HERB.	ACRE	30.000	1.000	30.00	
WEED CONTROL	ACRE	30.000	1.000	30.00	
NITROGEN	LBS.	0.350	15.000	5.25	
PRUNE-TIE-SUCKER	HR	5.000	57.500	287.50	
P-T-S MATERIALS	ACRE	10.000	1.000	10.00	
MISC. LABOR	HR	5.000	5.004	25.02	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			5.95	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			96.79	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			5.10	
IRRIGATION (POWER-LUBE-REP)	ACTH	8.037	3.800	30.54	
MACHINERY LABOR	HR	5.650	19.416	109.70	
IRRIGATION LABOR	HR	5.650	6.300	35.60	
INTEREST ON OPERATING CAP.	DOL.	0.14000	1416.195	193.25	
TOTAL PREHARVEST COSTS:					2901.19
HARVEST:					
TOTAL HARVEST COSTS:					0.00
TOTAL VARIABLE COSTS:					2901.19
3. INCOME ABOVE VARIABLE COSTS:					-2901.19
4. OVERHEAD:					
PERSONAL PROPERTY TAXES:					10.09
REAL PROPERTY TAXES:					50.00
MISC. OFFICE & BOOKKEEPING (2.50% OF TOTAL VARIABLE COSTS):					72.53
TOTAL OVERHEAD:					132.62
TOTAL CASH COSTS:					3033.82
5. INCOME ABOVE ALL CASH COSTS:					-3033.82
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			42.49	
IRRIGATION SYSTEM	ACRE			16.36	
BUILDINGS	ACRE			288.90	
TOTAL DEPRECIATION:					357.76
CAPITAL & INTEREST:					
MACHINERY&EQUIPMENT		0.14000	276.637	38.73	
IRRIGATION SYSTEM		0.14000	90.410	12.66	
BUILDINGS		0.10670	1812.131	193.35	
LAND		0.10670	5500.000	586.85	
TOTAL INTEREST CHARGE:					831.59
TOTAL FIXED COSTS:					1189.35
7. TOTAL OF ABOVE COSTS:					4223.17
8. NET RETURNS:					-4223.17

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
 BUDGET RECORD NUMBER 321

FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 321
 1ST 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	TRACTOR 65HP
MISTER IRIG SYS*	117.235	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	1.716	1.150	0.000	4.015	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	6.170	12.341	21.596	24.681	21.596	18.511	9.255	3.085	0.000	117.235	KWH
TOTALS	5.000	5.000	5.000	12.320	17.341	26.596	29.681	26.596	23.511	15.971	9.235	5.000	64.015	

GALLONS FUEL BY TYPE

60.00 GAS
 0.00 LP
 4.02 DIESEL
 0.00 N. GAS
 117.23 KWHRS

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

MACHINERY OPERATIONS SUMMARY BUDGET RECORD NUMBER 321
 1ST YEAR ESTABLISHMENT COSTS FOR KIWIFRUIT
 TULARE, FRESNO & KINGS COUNTIES 1981
 BY J. LARUE, F. YOSHIKAWA & B. BEEDE, FARM ADVISORS - P. THOMAS, SRA

OPERATION	ITER NO.	DATE	TIMES OVER	LABOR HOUR S	MACHINE HOURS	FUEL,OIL, LUB.,REP. PER ACRE	FIXED COSTS PER ACRE
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
DISC-OFFSET	4, 78	OCT	1.00	0.605	0.500	3.30	7.08
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
PICKUP 1/2 TON	14	DEC	25.00	1.500	1.250	7.92	6.23

TOTALS 19.416 16.170 ***** 91.32
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CASH FLOW & INVESTMENT SUMMARY FOR KIWIFRUIT

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1ST YEAR ESTABLISHMENT COSTS FOR KIWIFRUIT
 TULARE, FRESNO & KINGS COUNTIES 1981
 BY J. LARUE, F. YOSHIKAWA & B. BEEDE, FARM ADVISORS - P. THORAS, SRA

MONTHLY SUMMARY OF RECEIPTS AND EXPENSES

CATEGORY	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL RECEIPTS	\$/AC													0.00
OPERATING EXPENSES														
CONTR. LANDLEVEL	\$/AC										110.00			110.00
CONTRACT CHISEL	\$/AC										60.00			60.00
SOIL FUMIGANT	\$/AC										260.00			260.00
FUMIGANT APPL.	\$/AC										16.00			16.00
ESTAB BERR-LABOR	\$/AC			12.50										12.50
ESTAB BERR-RACH	\$/AC			60.00										60.00
VINES	\$/AC				1311.00									1311.00
CONTRACT PLANT	\$/AC				207.00									207.00
PRE-EMERGE HERB.	\$/AC											30.00		30.00
WEED CONTROL	\$/AC					6.00	6.00	6.00	6.00	6.00				30.00
NITROGEN	\$/AC					1.05	1.05	1.05	1.05	1.05				5.25
PRUNE-TIE-SUCKER	\$/AC					57.50	57.50	57.50	57.50	57.50				287.50
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
MACHINE LABOR COST	\$/AC	8.48	8.48	8.48	10.77	8.48	8.48	8.48	8.48	8.48	11.89	10.77	8.48	109.70
INTEREST ON OPER. CAP.	\$/AC	2.41	2.18	9.44	141.00	7.36	6.63	5.54	4.37	3.19	10.53	0.61		193.25
TRACTOR COST	\$/AC				1.70						2.54	1.70		5.95
EQUIPMENT COST	\$/AC	7.92	7.92	7.92	8.42	7.92	7.92	7.92	7.92	7.92	8.67	8.42	7.92	96.79
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				1.61	3.21	5.63	6.43	5.63	4.82	2.41	0.80		30.54
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	21.32	21.08	100.84	1685.71	99.98	104.49	104.20	102.23	99.12	487.38	55.94	18.90	2901.19

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	2.11	1.91	1.50	19.42
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				0.20	0.40	0.70	0.80	0.70	0.60	0.30	0.10		3.80

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.	3.69	5.74	1.54	10.97	3.85	0.58	1.51	5.95	1.287
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 7 1/2HP	21	0.2	1900.	10.	750.	4.51	3.49	1.07	9.06	21.63	0.32	1.62	23.58	18.719
MISTER IRIG SYS*	56	0.2	5000.	10.	750.	11.86	9.17	2.81	23.84	0.00	0.14	6.83	6.96	18.719
DISC-OFFSET	78	10.0	3000.	15.	100.	2.12	2.69	0.79	5.60	0.00	0.03	1.73	1.77	1.170
FARM SHOP	1		2250.	35.		11.57	26.41	4.58	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 INVESTMENT & COSTS PER ACRE	10667.	357.76	244.74	48.84	651.34	101.99	11.87	24.52	138.38
TOTAL INVESTMENT	53336.								

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INSUFFICIENT STORAGE FOR 0001GE 207 P-T-S MATERIALS
INSUFFICIENT STORAGE FOR 0001GE 56 MISTER IRIG SYS#
INSUFFICIENT STORAGE FOR 0001GE 74 TRELIS

STORED DATA PAGE (NO CALCULATIONS) FOR KIWIFRUIT

BUDGET RECORD NUMBER 321

1ST YEAR ESTABLISHMENT COSTS 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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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 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	0.000	0.000	37.	48.	2.	0.
OPERATING INPUTS																		
	RATE/UNIT												PRICE	SHARE	UNIT	ITEM	TYPE	HARV
														RENT	CODE	CODE	CODE	CODE
6 CONTR. LANDLEVEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	110.000	0.000	7.	296.	3.	0.
7 CONTRACT CHISEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	60.000	0.000	7.	297.	3.	0.
8 SOIL FURIGANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	0.00	6.500	0.000	5.	261.	3.	0.
9 FURIGANT APPL.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	16.000	0.000	34.	299.	3.	0.
10 ESTAB BERM-LABOR	0.00	0.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.000	0.000	8.	99.	3.	0.
11 ESTAB BERM-RACH	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.000	0.000	7.	393.	3.	0.
12 VINES	0.00	0.00	0.00	138.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.500	0.000	25.	203.	3.	0.
13 CONTRACT PLANT	0.00	0.00	0.00	138.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.500	0.000	25.	298.	3.	0.
15 PRE-EMERGE HERB.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	30.000	0.000	7.	394.	3.	0.
16 WEED CONTROL	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.20	0.20	0.00	0.00	0.00	30.000	0.000	7.	269.	3.	0.
18 NITROGEN	0.00	0.00	0.00	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	0.350	0.000	12.	211.	3.	0.
21 PRUNE-TIE-SUCKER	0.00	0.00	0.00	0.00	11.50	11.50	11.50	11.50	11.50	0.00	0.00	0.00	5.000	0.000	8.	206.	3.	0.
22 P-T-S MATERIALS	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.20	0.20	0.00	0.00	0.00	10.000	0.000	7.	207.	3.	0.
25 MISC. LABOR	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	5.000	0.000	8.	352.	3.	0.

MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												A CREW	POWER	RACH	TYPE	HARV	
													LABOR	UNIT	CODE	CODE	CODE	
26 DISC-OFFSET	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.00	1.00	0.67	0.00	0.000	0.000	4.	78.	4.	0.
30 PICKUP 1/2 TON	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.000	0.000	0.	14.	4.	0.

ACIN IRRIG WATER	NO. TIRIES IRRIG												SHARE	SHARE	POWER	SYSA	LIFT	
													FIXED	VAR	UNIT	CODE	CODE	
ACIN IRRIG WATER	0.00	0.00	0.00	0.20	0.40	0.70	0.80	0.70	0.60	0.30	0.10	0.00	0.00	0.00	21.	56.	235.	

EQUIPMENT REQUIREMENTS	NUMBER												PROPORT	XXX	EQUIP	TYPE	XXXX
	UNITS												OF COST	CODE	CODE	CODE	
52 FARM SHOP	1.000												0.125	0.	1.	5.	0.
53 TOOLS-SHOP EQUIP	1.000												0.125	0.	4.	5.	0.
54 TRELIS	1.000												1.000	0.	74.	5.	0.

COLUMNS --->	2	3	4	5	6	7	8
LAND REQUIREMENTS	CHARGE	NUMBER	VALUE OR	TAXES	PERENNIAL CROPS		
	METHOD	OF ACRES	COST/ACRE	PER ACRE	YRS LIFE	COST/ACRE	
71	1.	5.00	5500.00	50.00	0.0	0.00	
ENTERPRISE 2-48 REGION/COUNTY 64 UNASSIGNED 00000 RACH COMP 7 IRIG SYST 5 UNASSIGNED 0 EQUIP SET 1 HARVEST MONTH 12							

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

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

GENERAL NAME CHANGE->	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE		
99	ESTAB BERM-LABOR	296	CONTR. LANDLEVEL	297	CONTRACT CHISEL		
393	ESTAB BERM-RACH	269	WEED CONTROL	448	DISTRICT WATER		
300	CONTRACT N APPL.	261	SOIL FURIGANT	48	KIWIFRUIT		
4	TRACTOR 65HP	102	FURROWER 2SHOVEL	21	WELL PUMP 71/2HP		
					53	FURROW IRIG SYS#	
						299	FURIGANT APPL.
						352	MISC. LABOR
						203	VINES
						206	PRUNE-TIE-SUCKER

MACH COMP CHGS-->	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE
78. 2.	10.000000	78. 3.	3000.000000	78.13.	3000.000000	4. 2.	65.000000	4. 3.	16000.000000	4.13.	16000.000000	
4.16.	65.000000	2.	8.000000	3.	450.000000	13.	450.000000	21. 3.	1900.000000	21.13.	1900.000000	
21.16.	7.500000	53. 3.	13300.000000	53.13.	13300.000000	91. 2.	20.000000	91. 3.	12500.000000	91.13.	12500.000000	
14. 3.	10000.000000	14.13.	10000.000000	21. 2.	0.203000	53. 2.	1.000000	21.10.	10.000000	21. 9.	750.000000	
21.11.	0.115000	53.10.	20.000000	53. 9.	720.000000	53.11.	0.265000	21. 4.	10.000000	21. 5.	0.825000	
21.14.	5.000000	21.15.	6300.000000	22. 2.	0.160000	22. 3.	2000.000000	22. 4.	10.000000	22. 5.	0.825000	
22. 9.	625.000000	22.10.	20.000000	22.13.	2000.000000	22.14.	5.000000	22.15.	12500.000000	22.16.	5.000000	
56. 2.	0.203000	56. 3.	5000.000000	56. 9.	750.000000	56.10.	10.000000	56.13.	5000.000000	56.15.	6300.000000	
56.11.	0.115000											
DAT COMP CHGS-->	1. 5.180000	1. 6.180000	74. 2.	1.000000	74. 3.	22.000000	74. 5.	13650.000000	74. 6.	13650.000000		
74. 7.	10.000000	74. 8.	0.000000	74. 9.	0.000000	74.10.	0.000000	74.11.	0.000000			
PARAMETER CHGS-->	10. 5.650000	12. 5.650000	18. 0.100000	28. 0.025000								

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