TITLE: COSTS OF PRODUCTION FOR TOMATOES COLUSA AND SUTTER COUNTIES 1980

BY M. MURRAY, L. BUSHMAN, FARM ADVISORS

	1700			· . · .		
! 		UNIT	PRICE OR COST/UNIT	YTITHAUG	VALUE OR COST PER ACRE	YOUR COST
*	GROSS RECEIPTS FROM PRODUCTION: CANNING TOMATOES	TON	50.000	25.000	1250.00	
	TOTAL RECEIPTS:				1250.00	
2.	VARIABLE COSTS:			A		
	PRE-PLANT FERT.	GAL.	1.780	10.000	17.80	
	FERTILIZER APP SEED	ACRE LBS.	4.780 160.000	0.200 0.080	0.96 12.80	
	SEED SIDE DRESS FERT	LBS. LBS.	20.600 0.160	0.850 100.000	17.51 16.00	
	FERTILIZER APP IRRIG DIST WATER	ACRE ACRE	3.920 20.000	1.000	3.92 20.00	
	INSECT-SEEDLING INSECTICIDE APP	LBS. APLC	2.300 4.000	1.000 1.000	2.30 4.00	
÷	INSECT-WORM PERIAL SPRAYING	APLC	21.650	2.000	43.30	
	FUNGICIDE	LBS.	3.500 1.900	2.000 3.000	7.00 5.70	
	FUNG-AIR APP PRE-MERGE HERB	APLC	3.500 26.250	1.600	5.60 26.25	
	PRE.EMERG. APP HERB-LAY BY	APLC GAL.	3.000 32.000	1.000 0.125	3.00 4.00	
	HERBICIDE APP	ACRE Hour	11.890 3.620	1.000 10.000	11.89 36.20	
	HAND HOEING THINNING, ELECT. VINE TRAINING	ACRE ACRE	5.430 2.100	0.500 0.200	2.72 0.42	
	TRACTOR (FUEL-LUBE-REPAIRS)	ACRE	2.100	0.200	72.57	
)	IBUIPMENT (FUEL-LUBE-REPAIRS) IRRIGATION (POWER-LUBE-REP)	ACRE ACIN	0.116	48.000	14.83 5.57	
	HACHINERY LABOR IRRIGATION LABOR	HOUR	5.990 5.000	6.166 0.700	36.94 3.50	
7	INTEREST ON OPERATING CAP.	DOL.	0.122	162.369	19.40	
7	TOTAL PREHARVEST COSTS: PREHARVEST COST PER TON			\$	394.17 15.7668	
	HARVEST: FIELD SORTING	HOUR \$	3.620	13.500	48.87	
	MANAGEMENT	HOUR	6.900	1.000	6.90	
	NIGHT LIGHTING INSPECTION FEE	HOUR ACRE	4.750 5.000	2.000 1.000	9.50 5.00	
	MANAGEMENT EQUIPMENT (FUEL-LUBE-REPAIRS)	MO. ACRE	142.620	1.000	142.62 5.13	
	MACHINERY LABOR MACHINE CREW LABOR	HOUR	5.990 4.900	0.067 0.533	0.40 2.61	
	TOTAL HARVEST COSTS:			6	221.03	
	HARVEST COST PER TON			š	B.8413	
	TOTAL VARIABLE COSTS: VARIABLE COST PER TON			\$	615.20 24.6081	
	INCOME ABOVE VARIABLE COSTS: INCOME PER TON			\$	634.80 25.3919	
٤.	CASH OVERHEAD: SHARE RENT:			\$	225.00	
	TOTAL CASH OVERHEAD: OVERHEAD COST PER TON			\$	225.00 9.0000	
1	INCOME ABOVE ALL CASH COSTS: INCOME PER TON			\$	409.80 16.3919	
6.	OWNERSHIP COSTS:		CO (C) for 40 (0) 40 EV (C) (C) (C) 40 40 40 40 60		*** *** *** *** *** *** *** *** *** **	
1	DEPRECIATION: MACHINERY & EQUIPMENT	ACRE		\$	25.87	
	IRRIGATION SYSTEM	ACRE		-	-18.16	Charles Street Street,
	TOTAL DEPRECIATION:			\$	44.03	
	CAPITAL & INTEREST: MACHINERYSEQUIPMENT IRRIGATION SYSTEM		0.122 0.122	174.065 181.744	21.27 22.21	
	TOTAL INTEREST CHARGE:		V. 122	\$01.751	43.48	
	FIXED COST PER TON			8	87.51 3.5004	The state of the s
7.	TOTAL OF ABOVE COSTS: TOTAL COST PER TON		***	\$		a a a a a a a a a a a a a a a a a a a
8.	NET RETURNS:	-	******	\$	322.29	의 학류 이 문 속 확실 전 두 후 학 후 목 학 중
	NET RETURNS PER TON				12.8915	의 다 한 학 속 선 는 나 다 다 중 중 중 중 중 중 중 중 중 중 중 중 중 중 중 중 중

ACRES OF 1280 ACRE FARM
JITIONAL PRACTICES: AG CONSULTING FEES, WHITENER, ETHYLENE, MITE & MISC
INSECT CONTROL 50/50 FURROW-SPRINKLER IRRIGATION UPDATED 04/01/80

BUDGET IDENTIFICATION NUMBER 297 600000 460 1 DATE PRINTED: 04/01/80

BUDGET RECORD NUMBER 24 C Cooperative Extension HARVEST MONTH: 8

1980 default data

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180

default data

0.100000

COSTS OF PRODUCTION FOR TOMATOES COLUSA AND SUTTER COUNTIES BY M. HURRAY, L. BUSHMAN, FARM ADVISORS COSTS AND RETURNS WILL BE DIVIDED BY 25.0 TON TO OBTAIN PER TOR COSTS 8 10 12 13 14 SHARE 15 16 17 18
UNIT ITEM TYPE XXXX
CODE CODE FEB AŪG SÉP NOV DEC PRICE JAN. MAR APR JUN JÚL OCT MAY LINE RENT PRODUCTION NUMBER OF UNITS 1 CANNING TOMATOES 0.00 0.00 0.00 0.00 0.00 0.00 0.00 25.00 0.00 0.00 0.00 0.00 50.000 0.180 3. 97. 0. UNIT HARU OPERATING INPUTS PRICE SHARE RATE/UNIT CODE CODE 5. 209. RENT CODE 6 PRE-PLANT FERT. 0.00 10.00 0.20 0.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0. 0.00 0.00 RTILIZER APP 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.000 356. è SEED 0.00 0.00 0.08 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00160.000 0.000 0. 0.00 10 SEED 0.00 0.85 0.00 0,00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 20.600 0.000 197. 0. 12 SIDE DRESS FERT 13 FERTILIZER APP 15 IRRIG DIST WATER 18 INSECT-SEEDLING 0.00 0.000 204. 356. 0.00100.00 0.00 0.00 0.00 0.00 0.160 Ō. 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 7. 323. 12. 240. 34. 359. 0.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 Ŏ.38 0.33 0.00 20.000 0.00 0.00 0.00 n. 0.08 0.21 1.00 Ŏ.ŌÕ 0.00 0.00 0.00 INSECTICIDE APP 0.00 1.00 0.00 0.00 0.00 4.000 0.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 21.650 34. 246. 20 INSECT-WORM 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 1.00 0.00 0.00 0.000 AERIAL SPRAYING 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 1.00 0.00 0.00 0.00 3.500 0.000 370. 34. 368. 7. 254. 34. 367. 5. 250. 7. 358. 0.00 0.00 0.00 0.00 22 FUNGICIDE 1.50 0.80 0.00 1.50 0.80 0.00 0.00 1.900 3.500 0.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 FUNG-AIR APP 0.00 0.00 0.00 0.00 0.00 0.00 0.00 PRE-MERGE HERB PRE.EMERG. APP HERB-LAY BY HERBICIDE APP 0.00 0.00 0.00 0.00 26.250 0.00 0.00 0.00 0.00 0.00 0.00 0.000 1.00 O. 0.00 0.00 3.000 0.00 0.00 0.00 0.00 0.000 1.00 n_nn 0.00 0.00 0.00 0.00 0.00 0.00 0.13 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.000 0.00 0.00 0.00 ō.öō 0.00 0.00 0.00 11.890 0.000 0.00 HAND HOEING 0.00 0.00 0.00 0.00 5.00 5.00 0.00 0.00 0.00 0.00 0.00 0.00 3.620 0.000 8. 335. THINNING ELECT.
30 VINE TRAINING
31 FIELD SORTING
32 MANAGEMENT 0.00 0.00 0.50 5.430 2.100 3.620 7. 339. 7. 349. 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.000 7. 349. 8. 331. 8. 328. 7. 402. 0. 0.20 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 n nnn 0.00 0.000 0.00 0.00 0.00 0.00 0.00 D.ÖÖ 0.00 13.50 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 6.900 0.00 0.00 0.00 NIGHT LIGHTING INSPECTION FEE 0.00 0.00 0.00 0.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 4.750 1.00 1.00 5.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 **53 MANAGEMENT** 0.00 0.00 0.00 0.00 0.00 0 .00 0.00 .00 .00 0.001 0.000 40. A CREW POWER RACH TYPE LABOR UNIT CODE 0.000 7. 96. 4. MACHINERY REQUIREMENTS IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE HARV CODE 1.00 0.000 Õ. 35 MB PLOW 4-16 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 35 MB PLOW 4-16
36 SUBSOILER
37 CHISEL
38 DISC OFFSET
39 FINISHLEVEL16X60
40 CULTIVATOR 6 ROW
41 PLANTER 6ROW 2.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 8.00 0.000 0. 0.00 0.00 0.00 0.00 0.00 0.00 ō.ōō 0.00 0.000 0.00 0.00 0.00 0.000 ß. 1.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 0.000 61. 86. 1.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 0.000.00 0.00 0.00 0, 53. 0.00 0.00 0.00 0.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.000 A. 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 7. 109. 0. FURROWER 6SHOVEL 0.00 1.00 1.00 1.00 0.00 0.00 0.00 Ō. TON HARV&SORTER# 39. 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00 0.000 8.000 5. 103. 3. 56. 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 46 THINNER 6 ROW 0.00 0.000 0.000 0.000 0.000 SHARE 0.000 ROLLER 0.00 51 BED SHAPER GROW 0.00 0.00 .00 0.00 SHARE POWER SYSA VAR Z UNIT CODE FIXED Z LIFT 4.00 10.00 16.00 18.00 1.00 2.00 2.00 2.00 0.00 0.00 0.00 Ö.ÖO 49 ACIN IRRIG WATER 0.00 0.00 0.00 0.00 0.00 0.00 50 NO. TIMES IRRIG 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 EQUIPMENT REQUIREMENTS NUMBER PROPORT XXX EQUIP TYPE XXXX UNITS OF COST ID REQUIREMENTS VALUE OR COST/ACRE 0.00 NUMBER CHARGE TAXES PERENNIAL CROPS PER ACRE YRS LIFE 0.00 0.0 OF ACRES COST/ACRE RETHOD 300 ACRES OF 1280 ACRE FARM ADDITIONAL PRACTICES: AG CONSULTING FEES, WHITENER, ETHYLENE, MITE & MISC RACHINERY COMPLEMENT 4
EQUIPMENT_COMPLEMENT_1 UPDATED 04/01/80 -50/30-FURROW-SPRINKLER IRKIGATION insect-control LINE CHANGE
353 FUNIGANT APPLICA 240 INSECT-SEEDLING 246 INSECT-WORK
250 HERB-LAY BY 339 THINNING, ELECT. 349 VINE TRAINI LINE CHANGE 469 IRRIGATION RENT 367 PRE.EMERG. APP I INF CHANGE GENERAL NAME CHANGE->197 SEED FUNG-AIR APP NIGHT LIGHTING PRE.EMERG. APP VINE TRAINING **328** SPR/FUR IRRIG SY MACHNRY NAME CHANGE->132 RW CL VALUE RW CL 5. 3.37000.000000 5:16: 6. 3.75000.000000 8.10: 7.00000000 8.10: VALUE RE CL VALUE EN CL VALUE 225:000000 38. 2. 7.000000 5.13. 7.000000 39. 3. Tony-Chus==>

7.000000 7.000000 7.000000

COSTS OF PRODUCTION FOR TOMATOES BY M. MURRAY, L. BUSHMAN, FARM ADVISORS COLUSA AND SUTTER COUNTIES 1980

FUEL USED IN GALLONS PER HOUR

TRACTOR 75 HP	3.600	
TRACTOR 105 HP	5.040	
 TRACTOR 135 HP	6.480	
TRACT 4ND 225HP	12.600	
IRR PUMP 40 HP*		
TOM HARV&SORTER	× 7.200	

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

GALLONS	P	OVER UNIT	
0.004 0.400			
2.882 4.455 1.447		TRACTOR	135 HP
1.238 1.296		TRACTOR	135 HP 135 HP
2.742		TRACTOR	135 HP
0.222		TRACTOR TRACTOR	105 HP 105 HP
	D.004 0.400 2.882 4.455 1.647 1.238 1.296 1.142 2.742 4.599 0.222	0.004 0.400 2.882 4.455 1.647 1.238 1.296 1.142 2.742 4.599 0.222 1.142	D.004 0.400 2.882 TRACTOR 4.455 TRACTOR 1.647 TRACTOR 1.238 TRACTOR 1.142 TRACTOR 2.742 TRACTOR 4.599 TRACTOR 4.599 TRACTOR 4.599 TRACTOR 1.142 TRACTOR

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1.	2	,	5	5	<u>6</u> :	7	8	9.	10	11	12 7	DTAL	FUEL TY	YPE
MB PLOW 4-16	0.000	0.000 (0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.882	0.000	0.000	2.882		3
SUBSOILER	0.000	0.000 (0.000 (0.000	0.000	0.000	0.000	0.000	0.000	8.910	0.000	0.000	8.910		3
CHISEL	0.000			0.000	0.000	0.000	0.000	0.000	0.000	3.294	0.000	0.000	3.294		\$.
DISC OFFSET	0.000	1.238	.238	0.000	0.000	0.000	0.000	0.000	1.238	0.000	0.000	0.000	3.713		3
FINISHLEVEL16X60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.296	0.000	1.276		3
CULTIVATOR 6 ROW	0.000	0.000	000	1.142			0.000	0.000	0.000	0.000	0.000	0.000	2.284		Š
PLANTER GROW	0.000	0.000	2.742	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.742		3
FURROWER 6SHOVEL	0.000	0.000	.000	0.000		4.599	0.000	0.000	0.000	0.000	0.000	0.000	9.198		3
DITCHER	0.000			0.222		0.222	0.000	0.000	0.000	0.000	0.000	0.000	0.665		3
TOM HARV&SORTER*	0.000	0.000 ().COO (0.000	0.000	0.000	0.000	0.400	0.000	0.000	0.000	0.000	0.400		3
THINNER & ROW	0.000	0.000	0.000	1.142	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.142		3
ROLLER	0.000	0.000	.179	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.179		3
														1	
TOTALS	0.000	1.238	5.158	2.506	5.963	4.821	0.000	0.400	1.238	15.087	1.296	0.000	37.705		1.1

GALLONS FUEL BY TYPE 0.00 GAS 0.00 LP 37.71 DIESEL

FUEL TYPES 1=6AS 2=L.P. 3=DIESEL

OPERATION	ITEN NO. DATE	TIMES LABOR OVER HOURS	MACHINE HOURS	FUEL, OIL LUB., REP PER ACRE	FIXED COSTS PER ACRE
MB PLOW 4-16 SUBSOILER CHISEL FINISHLEVEL16X6D DISC OFFSET	7, 44 OCT 7, 43 OCT 7, 86 NOV 7, 61 FEB 7, 61 FEB 7, 61 FAR 7,109 MAR 3, 56 MAR 5,138 APR 5,138 APR 5,138 APR 5,138 APR 5,138 JUNE 5,138 JUNE	1.00 0.210 1.00 0.489 2.00 1.513 2.00 0.559 1.00 0.210 1.00 0.210 1.00 0.360 1.00 0.360 1.00 0.249 1.00 0.249 1.00 0.249 1.00 0.402 1.00 0.048 1.00 0.048 1.00 0.048 1.00 0.048	0.404 1.250 0.462 0.182 0.174 0.385 0.298 0.206 0.206 0.332 0.040	2.61 8.26 0.48 8.26 0.48	1.50
TOTALS	27 NOC	5.933	, t.	70.09	51.56

300 ACRES OF 1280 ACRE FARM ADDITIONAL PRACTICES: AG CONSULTING FEES, WHITENER, ETHYLENE, MITE & MISC INSECT CONTROL 50/50 FURROW-SPRINKLER IRRIGATION UPDATED 04/01/80

BUDGET IDENTIFICATION NUMBER--- 297 600000 460 1
ANNUAL CAPITAL MONTH 8 BUDGET RECORD NUMBER 247

NCOME ABOVE VARI HEN THE PRICE OF AND THE QUANTITY	CANNIN	G TORATOES	RANGES FROM RANGES FROM	40.00 T 11.00 T	0 60.6 0 39.6	
$\{(x,y,y')_{1},\dots,y'\}$		PRICE OF	CANNING TOMA	TOES		
		40.00	45.00	50.00	55.00	00.00
			********** ***********			
	11.00 * 18.00 *	-175.20 104.80	-120.20 194.80	-65.20	-10.20 374.80	44.80
UANTITY OF ANNING TOR	25.00 *	384.80		284.80		464.80
HULLE IN	32.00 ±		509.80 824.80	634.80	759.80 1144.80	884.80 1304.80
	*	664.80		784.80		
	39.00 *	944.80	1139.80	1334.80	1529.80	1724.80
NCOME ABOVE ALL HEN THE PRICE OF AND THE QUANTITY	CANNIN	G TORATOES	RANGES FROM RANGES FROM	40.00 TO 11.00 T	0 60.0 0 39.0	
		PRICE OF	CANNING TORA	TOES		
		40.00	45.00	50.00	55.00	60.00

	11.00 *	-810.00	-755.00	-700.00	-645.00	-590.00
UANTITY OF	18.00 ¥		-440.00	-350.00	-260.00	-170.00
ANNING TON	25.00 *	-250.00	-125.00	0.00	125.00	250.00
	32.00 #	30.00		350.00	510.00	670.00
	39.00 *	310.00	505.00	700.00	895.00	1090.00
NCOME ABOVE ALL	CANNIN	S TOMATOES	RANGES FROM	40.00 T	0 60.0	
AND THE QUANTITY			CANNING TORA	11.00 T	0 39.1	IU
	,	PRICE OF	4 4 5 7 2		F5 00	/0.00
	222	40.00	45.00	50.00	55.00	00.00
	11.00 ¥	- 810. 00	*********** -755.00	-700.00	-645.00	-590.00
DANTITY OF	18.00 ±	-530.00	-440.00	-350.00	-260.00	-170.00
HNING TON	25.00 *	-250.00	-125.00	0.00	125.00	250.00
	32.00	30.00	190.00	350.00	510.00	670.00
	¥		Secretary of			

BUDGET RECORD NUMBER 247
300 ACRES OF 1280 ACRE FARM
ADDITIONAL PRACTICES: AG CONSULTING FEES, WHITENER, ETHYLENE, MITE & MISC
INSECT CONTROL 50/50 FURROW-SPRINKLER IRRIGATION UPDATED 04/01/80

INCOME ABOVE VARIA WHEN THE PRICE OF AND THE BUANTITY	CANNI	NG TOMATOES	RANGES FROM RANGES FROM	40.00 15.00		.00 .00
	4000	PRICE OF	CANNING TOP	ATOES		
		40.00	45.00	50.00	55.00	00.00
	15.00 *	**************************************	********* 59.80	######################################	********** 209.80	********** 284.80
	20.00 ¥	184.80	284.80	384.80	484.80	584.80
QUANTITY OF CANNING TON	25.00 *	384.80	509.80	634.80	759.80	884.80
	30.00 ×	584.80	734.80	884.80	1034.80	1184.80
	35.00 *	784.80	959.80	1134.80	1309.80	1484.80
INCOME ABOVE ALL INCOME THE PRICE OF AND THE QUANTITY	CANNI	NG TOMATOES	RANGES FROM	40.00 15.00		.00 .00
		PRICE OF	CANNING TO	MATOES		
		40.00	45.00	50.00	55.00	60.00
	15.00 *	**************************************	********** 575.00	**************************************	**************************************	********** -350.00
	20.00 *	-450.00	-350.00	-250.00	-150.00	-50.00
QUANTITY OF CANNING TOR	25.00 ¥	-250.00	-125.00	0.00	125.00	250.00
	30.00 *	-50.00	100.00	250.00	400.00	550.00
	35.00 *	150.00	325.00	500.00	675.00	850.00
	•					
INCOME ABOVE ALL	COSTS					
WHEN THE PRICE OF AND THE QUANTITY	CANNI	NG TOMATOES		15.00		.00 .00
		PRICE OF	CANNING TO	NATOES		
		40.00			55.00	60.00
	15.00 ¥	********* 050.00	********* 575.00-	*********** -500.00	********** -425.00	~350.00
SHAUPTU AF	20.00 *	-450.00	-350.00	-250.00	-150.00	-50.00
QUANTITY OF CANNING TON	25.00 *	-250.00	-125.00	0.00	125.00	250.00
	30.00 #	-50.00	100.00	250.00	400.00	550.00
	35.00 *	150.00	325.00	500.00	675.00	850.00

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