

STRAWBERRIES

Santa Barbara County
1990

ST-CC-90-1



University of California
Cooperative Extension

SAMPLE COSTS TO PRODUCE STRAWBERRIES--1989-90 SANTA BARBARA COUNTY

EQUIP. OPR. COSTS/HOUR:	\$9.75	EQUIPMENT COSTS/HOUR:	IRRIGATION COSTS:
MISC. LABOR COST/HOUR:	\$6.18	300 HP TRACTOR	\$25.00
FRESH TRAYS/ACRE :	4000	170 HP TRACTOR	\$15.50
PROCESSING Lbs./Acre:	8640	70 HP TRACTOR	\$9.50
			\$45.00 /ACRE FT

LAND PREPARATION:	Equipment	Mat'l	Labor	TOTAL
PLOW	25.00		9.75	34.75
CHISEL PLOW	18.75		9.75	28.50
DISC 3X	27.50		14.63	42.13
PRE-FERTILIZE	15.50	54.00	9.75	79.25
ROTOTILL	38.75		24.38	63.13
LAND PLANE	25.00		9.75	34.75
PLACE AND REMOVE SPRINKLERS 1X	9.50		12.35	21.85
SPRINKLE IRRIGATE 3"		11.25	4.63	15.88
FUMIGATE (custom application)		950.00	6.18	956.18
REMOVE PLASTIC AND DISPOSAL FEES	9.50	15.00	35.43	59.93
SPRINGTOOTH CULTIVATION	18.60		11.70	30.30
TOTAL LAND PREPARATION (column totals)	\$188	\$1,030	\$148	\$1,367

PLANT ESTABLISHMENT	Equipment	Mat'l	Labor	TOTAL
LIST BEDS AND APPLY FERTILIZER	15.50	210.00	4.88	230.38
SHAPE BEDS AND PLACE DRIP HOSE	28.50	200.00	47.78	276.28
OPEN PLANT LINES	28.50		29.25	57.75
FUNGICIDE DIP		10.00	1.24	11.24
PLANTS AND TRANSPLANTING (28000 plants/acre)		1120.00	395.20	1515.20
PRESS BEDS	9.50		9.75	19.25
PLACE SPRINKLERS AND IRRIGATE 4X		33.75	18.53	52.28
HERBICIDE (custom spot-application)		65.00		65.00
HAND HOE WEED 1X			39.00	39.00
INSTALL PLASTIC MULCH AND BURN HOLES	38.00	220.00	88.40	346.40
TOTAL PLANT ESTABLISHMENT (column totals)	\$120	\$1,859	\$634	\$2,613

CULTURAL OPERATIONS:	Equipment	Mat'l	Labor	TOTAL
SPRINKLE IRRIGATE 3X		33.75	18.53	52.28
REMOVE SPRINKLERS	7.13		4.63	11.76
CULTIVATE 2X	16.63		14.63	31.25
HAND WEEDING 4X, runner cutting			247.00	247.00
DRIP IRRIGATE 38X		90.00	123.50	213.50
FERTILIZATION THROUGH DRIP SYSTEM		100.00		100.00
PEST CONTROL 3-4X (custom application)		450.00		450.00
POST CROP CLEANUP PLASTIC DISPOSAL FEE	14.25	10.00	98.80	123.05
TOTAL CULTURAL OPERATIONS (column totals)	\$38	\$684	\$507	\$1,229

		Equipment	Mat'l	Labor	TOTAL
HARVEST COSTS:					
TRUCKS AND DRIVERS		126.00		62.16	188.16
TRAYS AND BASKETS	.88 per tray		3520.00		3520.00
LABOR:fresh market	1.83 per tray average			7315.00	7315.00
HARVEST CARTS		7.00			7.00
SUPERVISION QUALITY CONTROL				52.49	52.49
LABOR:processing	2.66 per 20 lbs. tray			1149.12	1149.12

TOTAL HARVEST COSTS (column totals) \$133 \$3,520 \$8,579 \$12,232

TOTAL OPERATING COSTS \$479 \$7,093 \$9,868 \$17,440

OVERHEAD AND INTEREST COSTS:

MISCELLANEOUS REPAIRS AND LABOR			10.00	12.35	22.35
SPRINKLER PIPE RENTAL			150.00		150.00
LAND RENT 12 MONTHS					600.00
INSURANCE, TELEPHONE, OFFICE					
1.5 % cult., estblmt., & land prep.					78.12
PROPERTY TAXES					5.10
INTEREST ON WORKING CAPITAL	13 percent annual				
ave. of cult., estbmt., land prep. & harv. costs					792.81

TOTAL OVERHEAD AND INTEREST COSTS (column totals) \$160 \$12 \$1,648

TOTAL CASH COSTS PER ACRE \$479 \$7,253 \$9,880 \$19,088

DEPRECIATION AND CAPITAL COSTS:

	Per acre (Basis)	Depreciation (Annual)	Interest 13 percent	Total
DRIP IRRIGATION SYSTEM:				
filters, mainlines, submains	600.00	120.00	37.50	157.50
EQUIPMENT	625.00	62.50	39.06	101.56
BUILDINGS	50.00	2.50	3.13	5.63

TOTAL DEPRECIATION AND CAPITAL COSTS \$1,275 \$185 \$80 \$265

TOTAL COSTS PER ACRE:	Sunk	Indirect	Equipment	Mat'l	Labor	TOTAL
	-----(rent, int., deprec. etc.)----					
COSTS/ACRE =	\$ 6252	\$1,741	\$479	\$7,253	\$9,880	\$19,353
Percent of total:	32%	9%	2%	37%	51%	100%

RANGE ANALYSIS OF PRICE VS YIELD

*****GROSS RETURNS PER ACRE*****

TRAYS/ ACRE	-----AVERAGE PRICE PER TRAY-----								
	\$3.00	\$4.00	\$4.50	\$5.00	\$5.50	\$6.00	\$6.50	\$7.00	\$7.50
	-----Dollars-----								
1800	6372	8172	9072	9972	10872	11772	12672	13572	14472
2000	7080	9080	10080	11080	12080	13080	14080	15080	16080
2200	7788	9988	11088	12188	13288	14388	15488	16588	17688
2400	8496	10896	12096	13296	14496	15696	16896	18096	19296
2600	9204	11804	13104	14404	15704	17004	18304	19604	20904
2800	9912	12712	14112	15512	16912	18312	19712	21112	22512
3000	10620	13620	15120	16620	18120	19620	21120	22620	24120
3200	11328	14528	16128	17728	19328	20928	22528	24128	25728
3400	12036	15436	17136	18836	20536	22236	23936	25636	27336
3600	12744	16344	18144	19944	21744	23544	25344	27144	28944
3800	13452	17252	19152	21052	22952	24852	26752	28652	30552
4000	14160	18160	20160	22160	24160	26160	28160	30160	32160
4200	14868	19068	21168	23268	25368	27468	29568	31668	33768

*****ESTIMATED NET RETURNS TO MANAGEMENT AT VARYING YIELDS/ACRE AND PRICE/TRAY*****

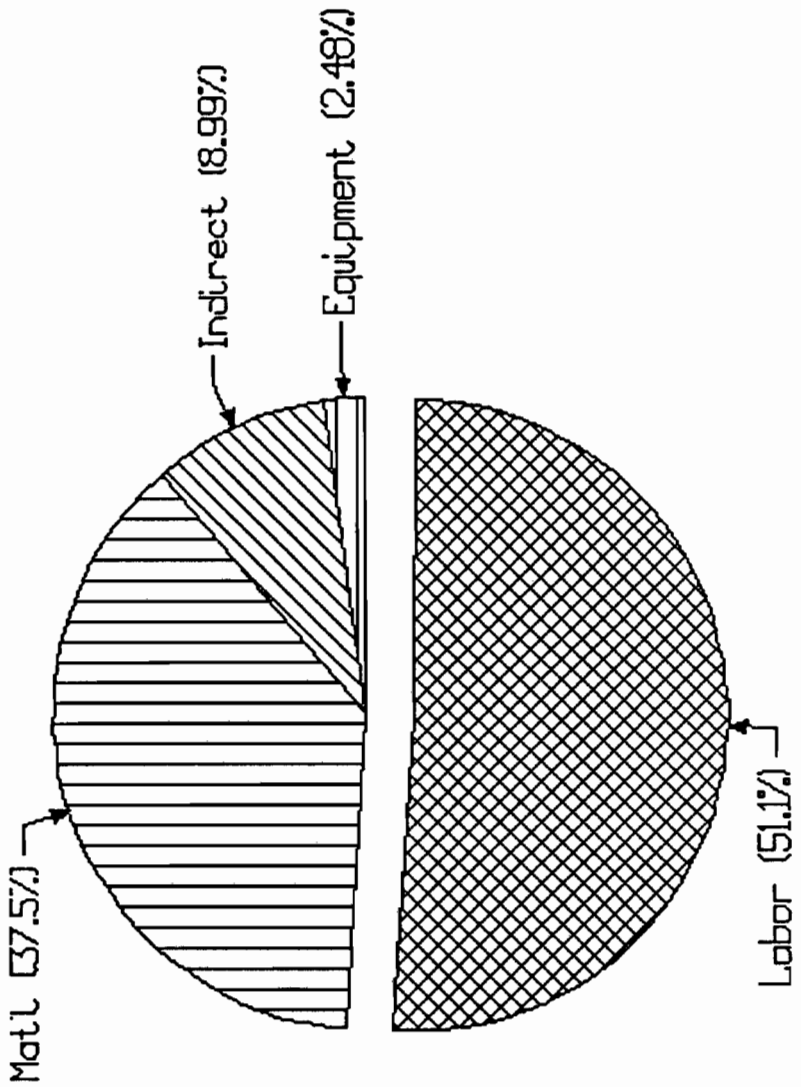
TRAYS/ ACRE	-----AVERAGE PRICE PER TRAY-----								
	\$3.00	\$4.00	\$4.50	\$5.00	\$5.50	\$6.00	\$6.50	\$7.00	\$7.50
	-----Dollars-----								
1800	-5780	-3980	-3080	-2180	-1280	-380	520	1420	2320
2000	-5697	-3697	-2697	-1697	-697	303	1303	2303	3303
2200	-5615	-3415	-2315	-1215	-115	985	2085	3185	4285
2400	-5532	-3132	-1932	-732	468	1668	2868	4068	5268
2600	-5449	-2849	-1549	-249	1051	2351	3651	4951	6251
2800	-5366	-2566	-1166	234	1634	3034	4434	5834	7234
3000	-5283	-2283	-783	717	2217	3717	5217	6717	8217
3200	-5201	-2001	-401	1199	2799	4399	5999	7599	9199
3400	-5118	-1718	-18	1682	3382	5082	6782	8482	10182
3600	-5035	-1435	365	2165	3965	5765	7565	9365	11165
3800	-4952	-1152	748	2648	4548	6448	8348	10248	12148
4000	-4869	-869	1131	3131	5131	7131	9131	11131	13131
4200	-4786	-586	1514	3614	5714	7814	9914	12014	14114

processing ave. price/lb. = \$.25 per lb.

processing yield is held constant at 18 percent of fresh market yield weight

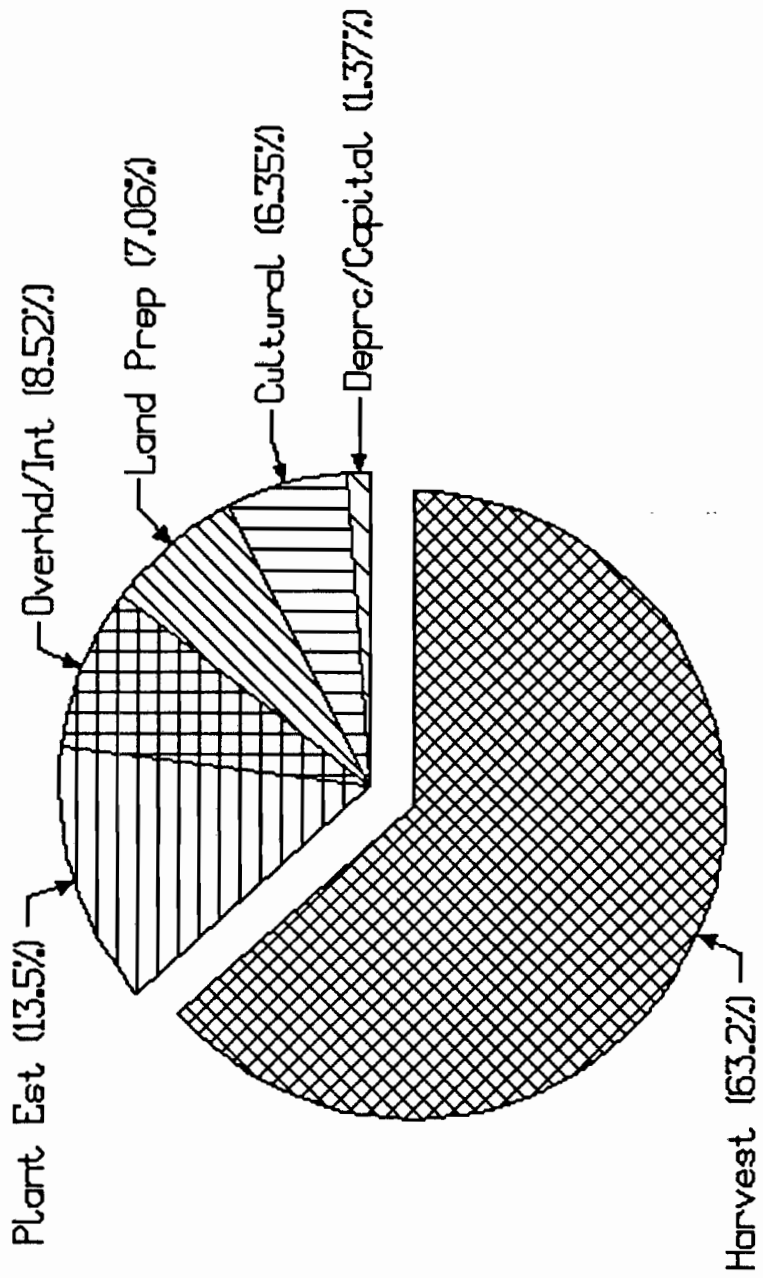
STRAWBERRY PRODUCTION COSTS 1989-90
Allocation by Cost Categories
\$19,353 Per Acre

SANTA MARIA DISTRICT
4000 trays/8540 lbs processing



Costs To Produce Strawberries
1989-90 per acre estimates SANTA MARIA DISTRICT
(percent) allocation by operation

4000 trays & 6640 lbs. processing/acre
\$19,353 TOTAL COSTS



Strawberry Production Profitability Comparisons, 1989-90

Santa Maria District Estimates

Profit in Dollars, ave. price/tray above graph line

