

TABLE 1 - TEN YEAR GENERAL SUMMARY OF COSTS AND RETURNS OF LEMON ORCHARDS - 1945-54, INCLUSIVE

Items	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	10 Year Average
Number of records	8	11	18	21	18	13	12	11	14	14	14
Total acreage of records	631	701	883	1666	1432	1020	1001	573	1496	1487	1089
Acres per record	78	64	49	79	80	78	83	52	107	106	78
Average age of trees	15	15	17	15	16	17	17	22	21	22	18
Av. number of trees per acre	100	112	112	118	118	111	111	94	106	108	109
Yield, packed boxes per acre	303	435	352	362	302	365	399	387	268	431	360
Yield, field boxes per acre	520	746	600	608	491	605	615	631	495	661	597
Cost per packed box on tree	\$ 1.21	\$.98	\$ 1.41	\$ 1.34	\$ 1.96	\$ 1.44	\$ 1.32	\$ 1.36	\$ 2.04	\$ 1.15	\$ 1.39
Picking and hauling cost	.70	.63	.74	.68	.65	.72	.69	.76	.79	.70	.70
Total cost per packed box	1.91	1.61	2.15	2.02	2.61	2.16	2.01	2.12	2.83	1.85	2.09
Av. price per packed box	3.10	2.18	2.66	2.74	4.79	3.32	2.82	3.71	4.40	2.88	3.18
Management income per box	1.19	.57	.51	.72	2.18	1.16	.81	1.59	1.57	1.03	1.09
Cultural cost per acre	208.31	253.99	335.14	329.41	415.71	354.03	343.17	314.39	344.21	301.87	320.02
Cash overhead cost per acre	63.08	79.24	63.17	60.27	80.28	74.32	73.23	94.04	77.02	66.76	73.14
Depreciation facilities	20.76	20.36	21.96	17.34	18.03	18.59	18.79	23.91	26.94	27.11	21.38
Interest on inv. at 5%	74.60	74.75	77.40	77.30	77.38	78.27	93.23	94.82	99.52	99.61	84.69
Total "on tree" cost per acre	366.75	428.34	497.67	484.32	591.40	525.21	528.42	527.16	547.69	495.35	499.23
Harvesting cost per acre	212.72	272.51	258.91	247.79	195.11	262.80	273.52	293.10	212.05	301.04	252.96
Total cost per acre	579.47	700.85	756.58	732.11	786.51	788.01	801.94	820.26	759.74	796.39	752.19
Total income per acre	939.53	949.16	934.62	992.30	1447.16	1210.71	1123.12	1433.78	1180.94	1240.84	1145.22
Management income per acre	360.06	248.31	178.04	260.19	660.65	422.70	321.18	613.52	421.20	444.45	393.03
Capital & Mgt. income per A.	434.66	323.06	255.44	337.49	738.03	500.97	414.41	708.34	520.72	544.06	477.72

TABLE 2 - MAIN PROFIT DETERMINING FACTORS IN INDIVIDUAL ORCHARDS - PER ACRE

Serial number	Average yield packed box	Average income packed box	Total income per acre	Cult. costs power L. & M.	Cash over-head costs	Cash costs up to picking	Capital over-head costs		Total on tree costs	Harvesting costs	Total all Costs	Capital and mgt. income	Management income
							Depre- ciation	Int.on invest.					
L-22	495	\$3.49	\$1726.51	\$240.55	\$52.86	\$293.41	\$ 8.36	\$96.34	\$398.11	\$355.86	\$753.97	\$1068.88	\$972.54
L-31	993	2.36	2337.74	569.13	101.67	670.80	32.88	95.34	799.02	601.19	1400.21	1032.87	937.53
L-15	703	2.65	1860.19	268.52	84.05	352.57	14.97	98.14	465.68	501.13	966.81	991.52	893.38
L-26	478	3.66	1749.03	401.97	47.52	449.49	3.16	79.25	531.90	347.29	879.19	949.09	869.84
L-24	708	2.35	1663.01	271.07	69.63	340.70	30.34	101.60	472.64	416.68	889.32	875.29	773.69
L-29	478	3.09	1479.25	248.28	41.19	289.47	20.63	98.49	408.59	330.10	738.69	839.05	740.56
L-32	549	2.85	1563.82	279.12	49.82	328.94	53.48	104.71	487.13	352.24	839.37	829.16	724.45
L-23	612	3.12	1907.50	513.42	69.10	582.52	49.23	116.10	747.85	563.17	1311.02	712.58	596.48
L-8	698	2.60	1813.92	513.44	114.85	628.29	43.41	103.28	774.98	512.57	1287.55	629.65	526.37
L-33	340	2.93	996.79	230.02	61.75	291.77	27.50	97.06	416.33	223.90	640.23	453.62	356.56
L-14	386	2.67	1030.25	238.63	57.25	295.88	33.90	99.96	429.74	288.79	718.53	411.68	311.72
L-34	394	2.67	1053.66	371.42	67.14	438.56	42.93	106.97	588.46	277.64	866.10	294.53	187.56
L-7	396	2.70	1068.82	578.55	118.67	697.22	15.60	109.83	822.65	335.86	1158.51	20.14	-89.69
L-30	188	2.54	475.94	281.88	57.73	339.61	18.28	93.21	451.10	164.25	615.35	-46.20	-139.41
Av.	431	2.88	1240.84	301.87	66.76	368.63	27.11	99.61	495.35	301.04	796.39	544.06	444.45
Navel Orange Records													
N-3	433	3.05	1319.51	252.19	49.51	301.70	14.18	95.81	411.69	201.31	613.00	802.32	706.51
N-1	178	2.08	368.84	135.72	62.63	198.35	4.21	90.74	293.30	70.63	363.93	95.65	4.91
N-5	174	2.61	452.89	271.81	55.68	327.49	18.28	93.21	438.98	65.06	504.04	42.06	-51.15

Each record in the study is given a serial number in the first column, and they are arranged in descending order of management income per acre. They are kept in the same order in all tables.

TABLE 3 - YIELD, QUALITY, INCOME AND COSTS PER FIELD BOX AND PER PACKED BOX

Serial Number	Yield per acre		Fruit quality per cent sold		Average income per pkd. box	Cost per field box			Cost per packed box			Income per packed box	
	Packed Boxes	Field Boxes*	Fresh	juice prod. cull		On tree**	Har-vest-ing	Total all costs	On tree**	Har-vest-ing	Total all costs	Capital & man-agement	Management income
L-22	495	814	61.9	38.1	\$ 3.49	\$.49	\$.44	\$.93	\$.80	\$.72	\$1.52	\$2.16	\$ 1.97
L-31	993	1296	42.2	57.8	2.36	.62	.46	1.08	.80	.61	1.41	1.04	.95
L-15	703	1070	51.3	48.7	2.65	.43	.47	.90	.66	.72	1.38	1.41	1.27
L-26	478	787	66.6	33.4	3.66	.68	.44	1.12	1.11	.73	1.84	1.98	1.82
L-24	708	997	58.6	41.4	2.35	.47	.42	.89	.67	.59	1.26	1.24	1.09
L-29	478	756	55.2	44.8	3.09	.54	.44	.98	.85	.69	1.54	1.75	1.55
L-32	549	848	50.0	50.0	2.85	.57	.42	.99	.89	.64	1.53	1.51	1.32
L-23	612	966	56.6	43.4	3.12	.77	.58	1.35	1.22	.92	2.14	1.17	.98
L-8	698	1111	49.6	50.4	2.60	.70	.46	1.16	1.11	.74	1.85	.90	.75
L-33	340	518	53.5	46.5	2.93	.80	.43	1.23	1.22	.66	1.88	1.33	1.05
L-14	386	609	53.6	46.4	2.67	.71	.47	1.18	1.11	.75	1.86	1.07	.81
L-34	394	623	50.5	49.5	2.67	.94	.45	1.39	1.49	.70	2.19	.75	.48
L-7	396	630	51.8	48.2	2.70	1.31	.53	1.84	2.08	.85	2.93	.05	-.23
L-30	188	281	49.1	50.9	2.54	1.61	.58	2.19	2.41	.87	3.28	-.24	-.74
Av.	431	661	54.2	45.8	2.88	.75	.46	1.21	1.15	.70	1.85	1.26	1.03
Navel Orange Records													
N-3	433	646	84.4	15.6	3.05	.64	.31	.95	.95	.47	1.42	1.85	1.63
N-1	178	274	57.7	42.3	2.08	1.07	.25	1.32	1.65	.40	2.05	.54	.03
N-5	174	245	64.0	36.0	2.61	1.79	.27	2.06	2.52	.38	2.90	.24	-.29

* - Field Box - 50 pounds of fruit

** - Includes interest and depreciation costs

TABLE 4 - IRRIGATION AND FERTILIZATION PRACTICES AND COSTS AND OTHER CULTURAL COSTS PER ACRE

Serial Number	Irrig. prac. and cost		Fertilization practices and costs				Other cultural costs					Total cult. costs
	Labor Costs	Water costs	Kind & amount per acre	Labor cost	Material costs	Lbs. N. per acre	Soil Mgt.	Pest dis. L & M	Frost prot. L & M	Pruning	Misc.*	
L-22	\$15.25	\$22.67	NH ₃ -161#, Steer-5.1 ton	\$.91	\$55.35	335	\$28.37	\$38.61	\$ 8.51	-	\$70.88	\$240.55
L-31	32.37	47.29	Dairy 1663 ft., Mag. Ox. 105#	13.85	149.35	416	59.52	56.73	28.26	\$64.19	117.57	569.13
L-15	11.11	48.43	NuGreen-122#, NH ₃ -196#	1.00	29.72	211	55.19	16.66	34.46	66.86	5.09	258.52
L-26	10.49	18.05	Steer-2 tons, NH ₃ -100#	1.50	24.61	162	30.39	60.53	56.28	-	200.12	401.97
L-24	13.38	6.87	NH ₃ -206#	-	21.59	167	17.04	96.05	26.02	28.14	61.98	271.07
L-29	18.33	17.34	NH ₃ -101#, Poul 88 ft.	-	20.83	150	22.84	57.66	2.87	54.23	54.18	248.28
L-32	19.02	12.10	Ca N-484#, NH ₃ -80#	1.25	23.17	142	33.93	90.27	46.69	19.46	33.23	279.12
L-23	82.89	77.71	AM N - 894#	7.14	39.79	300	15.22	110.52	23.94	57.78	98.43	513.42
L-8	19.38	7.08	Urea-243#	.31	21.52	102	44.30	118.80	51.56	56.10	194.39	513.44
L-33	13.60	3.55	(not obtained)	-	29.38	-	36.24	51.96	20.28	27.45	47.56	230.02
L-14	15.14	13.40	Am. N -370#	.83	16.47	124	22.41	93.08	8.17	57.80	11.33	238.63
L-34	31.82	20.61	NH ₃ -182#	-	19.03	147	28.49	74.52	5.91	131.50	59.54	371.42
L-7	47.13	28.87	Am N-11#, Urea 267#, Bryd 314#, Tri Sup Ph 212#	14.82	44.61	131	67.02	128.47	24.67	41.24	181.72	578.55
L-30	22.10	25.99	NH ₃ , urea	3.28	25.87	-	49.02	9.06	1.49	44.10	100.97	281.88
Av.	21.59	14.15		1.95	31.13	179	35.31	67.67	21.11	36.24	72.72	301.87
Navel Orange Records												
N-3	30.11	38.65	Ca N-547#, steer 4.3 ton	5.82	55.05	261	34.21	54.69	-	2.39	31.27	252.19
N-1	20.93	23.92	NH ₃ -46#, Am S-349#, Ca N-279#, Am P 488#	2.09	48.07	233	22.75	15.58	-	.85	1.53	135.72
N-5	21.31	25.06	NH ₃ Urea	3.16	24.95	-	47.27	8.73	1.45	42.53	97.35	271.81

* Miscellaneous costs include: cover crops, replanting trees, windbreak maintenance, hired supervision or management and incidentals.