



OLIVE

ORCHARD COSTS
FROM
PLANTING TO PICKING

UNIVERSITY OF CALIFORNIA
AGRICULTURAL EXTENSION SERVICE
TEHAMA COUNTY

ESTABLISHING AN OLIVE ORCHARD IN TEHAMA COUNTY - 1956

This cost study was designed to give an idea of expected costs per acre involved in establishing an olive orchard. The figures represent typical costs under assumed conditions. These conditions are as follows: 40 acres of level land, valued at \$300.00 per acre, 38 acres of which are planted to trees on 24 foot centers with 75 trees per acre.

Irrigation water is supplied from an on the farm well lifting 400 gpm. 80 feet with a 15 H.P. pump at a cost of \$2.70 an acre foot.

A wheel tractor, 100 gallon sprayer, and all other needed tilling and digging implements were computed at retail value the first year. The cost of a fertilizer spreader was added in the third year.

Major variations from these per acre costs will occur with variation of size of planting, use of machinery already on hand, and the incidence of disease or insect pest infestation.

The total cost per acre will remain about constant from the fifth year until self-sustaining, expected between the sixth and eighth year.

SAMPLE COSTS TO ESTABLISH OLIVE ORCHARDS
First Year

Operation	Dates	Hours Per Acre	CASH AND LABOR COSTS			YOUR COST		Cost For Ac.	
			Labor	Equipment	Materials	Total	PerAcre		
Disc	Nov.	.5	.50	.50			1.00		
Mark & stake	Jan.	2.0	2.00		Stakes 75 @ 5¢	3.75	5.75		
Dig holes	Jan.-Feb.	1.0	1.00	.60			1.60		
Plant & prune	Jan.-Feb.	3.0	3.00		Trees 75 @ 75¢	56.25	59.25		
Water	Jan.-Feb.	3.0	3.00	3.00			6.00		
Fertilize	April	1.5	1.50		Nitrogen 20# @ 15¢	3.00	4.50		
Disc twice	April	1.0	1.00	1.00			2.00		
Furrow 4 times	Apr.-June-Aug.	.8	.80	.80			1.60		
Irrigate 8 times	April-Sept.	4.0	4.00	2.00	3/4 acre ft. @ \$2.70 per ft.	2.00	8.00		
Hoe	May	4.0	4.00				4.00		
Disc furrows 3 times	April-Aug.	.5	.50	.50			1.00		
Disc	October	.5	.50	.50			1.00		
Plant cover crop	October	.2	.20	.15	Seed 30 lbs. @ 12½¢	3.75	4.10		
Harrow	October	.3	.30	.20			.50		
Taxes						8.00	8.00		
Misc.			1.70	.75		1.25	4.70		
Total			23.00	10.00		78.00	112.00		
Investment		Per Acre	Interest & Depreciation						
Land		\$300.	\$ 15.						
Bldgs.		130.	6.						
Irrigation		170.	11.						
Equipment		120.	16.						
Total		600.					48.00		
Total Cost Per Acre							160.00		

SAMPLE COSTS TO ESTABLISH OLIVE ORCHARD
Second Year

Operation	Dates	Hours Per Acre	CASH AND LABOR COSTS			YOUR COST		Cost For _____ Ac.
			Labor	Equipment	Materials	Total	PerAcre	
Fertilize	Dec.-Feb.	1.5	1.50		Nitrogen 20# @ 15¢ 3.00	4.50		
Hoe 2 times	Feb.-July	4.0	4.00			4.00		
Disc cover crop twice	April	1.0	1.00	1.00		2.00		
Furrow 3 times	April-Aug.	.6	.60	.60		1.20		
Irrigate 7 times	April-Sept.	3.5	3.50	2.00	Water 1.2 Acre ft. @ 2.70 per ft. 3.25	8.75		
Prune & train	June-Aug.	1.0	1.00			1.00		
Disc furrows twice	June-Aug.	.5	.50	.50		1.00		
Disc	October	.5	.50	.50		1.00		
Plant cover crop	October	.2	.20	.15	Seed 30 lbs. @ 12½¢ 3.75	4.10		
Harrow	October	.3	.30	.20		.50		
Taxes						8.00	8.00	
Misc.			4.90	1.05		2.00	7.95	
		Total	18.00	6.00		20.00	44.00	
Investment		Per Acre	Interest & Depreciation					
	Land	\$300.	\$ 15.					
	Bldgs.	130.	6.					
	Irrigation	170.	11.					
	Equipment	120.	16.					
	Trees	160.	8.					
	Total	980.					56.00	
Total Cost Per Acre						100.00		

SAMPLE COSTS TO ESTABLISH OLIVE ORCHARD
Third Year

Operation	Dates	Hours Per Acre	CASH AND LABOR COSTS			YOUR COST		Cost For Ac.
			Labor	Equipment	Materials	Total	PerAcre	
Fertilize	Dec.--Feb.	2.0	2.00		Nitrogen 37.5# @ 15¢	5.60	7.60	
Hoe twice	Feb.--June	8.0	8.00				8.00	
Disc cover crop twice	April	1.0	1.00	1.00			2.00	
Furrow 2 times	April-July	.8	.75	.75			1.50	
Irrigate 5 times	April-Sept.	5.0	5.00	2.00	Water 1.5 acre ft. @ 2.70 per ft.	4.00	11.00	
Prune & train	June-Aug.	1.5	1.50				1.50	
Disc furrows	July	.5	.50	.50			1.00	
Disc	October	.5	.50	.50			1.00	
Plant cover crop	October	.2	.20	.15	Seed 30 lbs. @ 12½¢	3.75	4.10	
Harrow	October	.3	.30	.20			.50	
Taxes						8.00	8.00	
Misc			1.25	.90		.65	2.80	
Total			21.00	6.00		22.00	49.00	
Investment		Per Acre	Interest & Depreciation					
Land		\$300.	\$ 15.					
Bldgs.		130.	6.					
Irrigation		170.	11.					
Equipment		220.	16.					
Trees		260.	13.					
Total		<u>1,080.</u>			61.00			

Total Cost Per Acre 110.00

SAMPLE COSTS TO ESTABLISH OLIVE ORCHARD
Fourth Year

Operation	Dates	Hours Per Acre	CASH AND LABOR COSTS			YOUR COST		Cost For Ac.
			Labor	Equipment	Material	Total	PerAcre	
Fertilize	January	2.0	2.00		Nitrogen 37.5 lbs. @ 15¢	5.60	7.60	
Disc covercrop twice	April	1.0	1.00	1.00			2.00	
Furrow 2 times	April-July	1.0	1.00	1.00			2.00	
Irrigate 5 times	April-Sept.	5.0	5.00	2.00	Water 2 acre ft. @ \$2.70 per ft.	5.40	12.40	
Prune & train	June-Aug.	4.0	4.00				4.00	
Remove Brush	June-Aug.	2.0	2.00	2.00			4.00	
Hoe	July	4.0	4.00				4.00	
Disc	July	.5	.50	.50			1.00	
Disc	October	.5	.50	.50			1.00	
Plant cover crop	October	.2	.20	.15	Seed 30 lb @ 12½¢	3.75	4.10	
Harrow		.3	.30	.20			.50	
Taxes						8.00	8.00	
Misc.			1.50	.65		.25	2.40	
Total			22.00	8.00		23.00	53.00	
Investment		Per Acre	Interest & Depreciation					
	Land	\$ 300.		\$ 15.				
	Bldgs.	130.		6.				
	Irrigation	170.		11.				
	Equipment	220.		27.				
	Trees	370.		18.				
	Total	<u>1,190.</u>					77.00	

Total Cost Per Acre 130.00

SAMPLE COSTS TO ESTABLISH OLIVE ORCHARD
Fifth Year

Operation	Dates	Hours Per Acre	CASH AND LABOR COSTS			YOUR COST		Cost For Ac
			Labor	Equipment	Materials	Total	Per Acre	
Fertilize	Dec.--Jan.	.3	.30	.30	Nitrogen 75# @ 15¢	12.50	13.10	
Disc covercrop twice	April	1.0	1.00	1.00			2.00	
Furrow twice	April-July	1.0	1.00	1.00			2.00	
Irrigate 5 times	April-Sept.	5.0	5.00	2.00	Water 2 acre ft. @ 2.70 per ft.	5.40	12.40	
Prune & train	June-Aug.	8.0	8.00				8.00	
Remove brush	June-Aug.	2.0	2.00	2.00			4.00	
Disc	July	.5	.50	.50			1.00	
Disc	October	.5	.50	.50			1.00	
Plant cover crop	October	.2	.20	.15	Seed 30 lb. @ 12½¢	3.75	4.10	
Harrow	October	.3	.30	.20			.50	
Taxes						8.00	8.00	
Misc.			2.20	1.35		1.35	4.90	
Total			21.00	9.00		31.00	61.00	
Investment		Per Acre	Interest & Depreciation					
Land		\$ 300.	\$ 15.					
Bldgs.		130.	6.					
Irrigation		170.	11.					
Equipment		220.	27.					
Trees		500.	25.					
Total		<u>1,320.</u>			84.00			
Total Cost Per Acre							145.00	