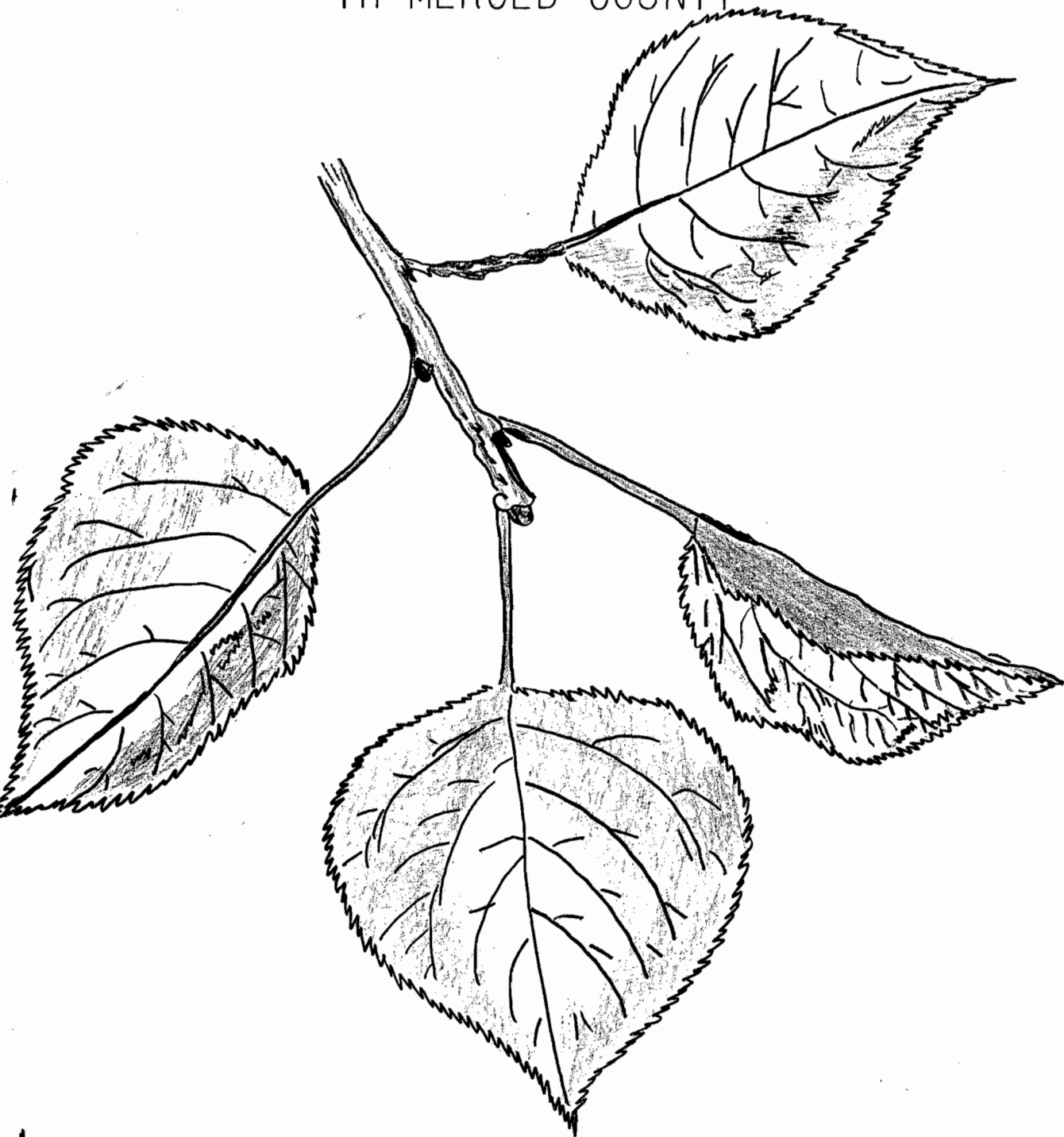


THE ECONOMICS
of
APRICOT PRODUCTION
in MERCED COUNTY



SAMPLE COSTS TO ESTABLISH AN APRICOT ORCHARD IN WESTERN MERCED COUNTY, 1971

Based on a planting of 40 acres, at 75 trees per acre, spaced 24' x 24'. All labor at \$2.00 per hour total. Tractor cash costs per hour: Wheel Diesel, 40 H.P. @ \$.95, and Crawler Diesel, 40 H.P. @ \$1.40.

	COSTS PER ACRE			
	1st Year	2nd Year	3rd Year	4th Year
Yield: Tons Per Acre	0	0	0	2.5
PRE-HARVEST CASH COSTS:				
Sub Soil Contract and ground prep.	\$ 25.00	\$	\$	\$
Disc: 1 hr. labor & CD 40 tract, disc.	4.65			
Mark, stake, plant, prune contract @ 35¢/tree	26.25			
Trees: 75 @ \$1.20	90.00			
Replant 2nd year, 2 trees @ \$1.50		3.00		
Prune and train - starting 2nd year		7.50	18.75	30.00
Furrow: 4X, 2 hrs. man and WD40	6.50	6.50	6.50	6.50
Irrigate: 6X	12.00	12.00	12.00	12.00
Water: 4 ac. ft. pumped	20.00	20.00	20.00	20.00
Spray program: materials and application		10.00	15.00	20.00
Disc: 6X, 4 hrs. man and 40 H.P. Crawler	18.60	18.60	18.60	18.60
Hoe: 2 man hrs.	4.00	4.00	4.00	4.00
Tires: @ \$8.93/100	22.33	22.33	22.33	22.33
Misc: labor and materials	10.00	10.00	15.00	15.00
Repairs: to equipment, except tractor	15.00	10.00	10.00	10.00
Office, pickup, business costs	17.80	8.68	9.95	11.09
TOTAL PRE-HARVEST CASH COSTS	\$272.13	\$132.69	\$152.13	\$ 169.52
HARVESTING COSTS:				
Pick and roadside: contract \$30.00 per ton	\$ 0.00	\$ 0.00	\$ 0.00	\$ 75.00
TOTAL CASH COSTS	\$272.13	\$132.69	\$152.13	\$ 244.52
DEPRECIATION:				
Irrigation System: \$150 - 30 yr.	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00
Bldgs & equip., except tractors: \$583 cost	55.45	55.45	55.45	55.45
Tractors	26.25	23.25	23.25	23.25
TOTAL DEPRECIATION	\$ 86.70	\$ 83.70	\$ 83.70	\$ 83.70
INTEREST ON INVESTMENT @ 7%:				
Irrigation system: 1/2 cost of \$150	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25
Bldgs. & equip., except tractors				
1/2 cost of \$583	20.41	20.41	20.41	20.41
Tractors: CD40 and WD40	10.96	10.96	10.96	10.96
Land: \$1000 per acre	70.00	70.00	70.00	70.00
Interest on accumulated costs	0.00	32.58	57.47	85.47
TOTAL INTEREST ON INVESTMENT	\$106.62	\$139.20	\$164.09	\$ 192.09
TOTAL COST FOR THE YEAR	\$465.45	\$355.59	\$399.92	\$ 520.31
CREDIT FOR FRUIT AT \$100 per ton	0	0	0	250.00
NET COST FOR THE YEAR	\$465.45	\$355.59	\$399.92	\$ 270.31
TOTAL ACCUMULATED COST		\$821.04	\$1220.96	\$1491.27

COST ANALYSIS WORKSHEET

SAMPLE COST OF APRICOT PRODUCTION IN WESTERN MERCED COUNTY, 1971

Donnie C. Hendricks, Farm Advisor
Fruit and Nut Crops

Edward Yeary, Farm Advisor
Farm Management

Basis of estimated costs:

Furrow irrigated Blenheims - 40 acres, 24' x 24' spacing, 75 trees per acre. Yield 7 tons per acre. All labor \$2.00 per hour. Diesel Track-type Tractor (CD40) Cash cost \$1.40/hr., Diesel Wheel Tractor (WD40), Cash cost \$.95/hr., Gasoline Wheel Tractor (WG30), Cash cost \$.80/hr.

	SAMPLE COSTS		MY COSTS	
	Per Acre	Per Ton	Per Acre	Per Ton
PRE-HARVEST CASH COSTS:				
Pruning: \$1.10 per tree @ 75 trees/ac.	\$ 82.50			
Brush disposal: 2 man & 2 tractors (WD40) hrs. and shredder	4.00 7.10			
Fertilizer: 75 lbs. N @ 10¢ applied	7.50			
Spray application: contract 2.5¢ per gallon 3 sprays @ 400 gal/ac	30.00			
Spray material	30.00			
Discing: 6X, 2 ways - 4 man hrs. 4 tractor (CD40) hrs. + disc	8.00 10.60			
Furrow for irrigation: 4X - 2 man hrs. 2 tractor (WD40) hrs.	4.00 2.50			
Irrigate: 6X - 6 man hrs. Well water, 4 ac. ft. @ \$5.00 pump cost	12.00 20.00			
Thinning: @ \$.70 per tree	52.50			
Misc. labor: 4 man hrs.	8.00			
Misc. tractor work: 1 hr. WG30 1 hr. CD40	.80 1.40			
Misc. material	15.00			
Repairs except tractor	15.00			
County taxes: @ \$8.93/\$100	33.50			
Office, pickup, interest on operating capital (7% of cash costs)	23.40			
TOTAL PRE-HARVEST CASH COSTS	\$363.80	\$51.97		
HARVEST COSTS:				
Picking: \$25 per ton contract	\$175.00	\$25.00		
Roadsiding & supervision \$5/ton (including 2 hrs. each WG30 & WD40)	35.00	5.00		
TOTAL HARVEST COSTS	\$210.00	\$30.00		
TOTAL CASH COSTS	\$573.80	\$81.97		
DEPRECIATION:				
Trees: Cost \$1500 - 30-yr. life	\$ 50.00			
Irrigation system: \$150 cost - 30 yrs.	5.00			
Bldgs.&equip., except tractors	55.45			
Tractors: CD40 @ \$3.00 - 5 hrs.	15.00			
WD40 @ \$1.88 - 6 hrs.	11.28			
WG30 @ \$1.25 - 3 hrs.	3.75			
TOTAL DEPRECIATION	\$140.48	\$20.07		
INTEREST ON INVESTMENT @ 7%:				
Trees: 1/2 cost of \$1500	\$ 52.50			
Irrigation system: 1/2 cost of \$150.00	5.25			
Bldgs.&equip., except tractor 1/2 of \$583/acre	20.41			
Tractors:	12.25			
Land: @ \$1000	70.00			
TOTAL INTEREST	\$160.41	\$22.92		
TOTAL COST OF PRODUCTION	\$874.69	\$124.96		

UNIVERSITY OF CALIFORNIA
 AGRICULTURAL EXTENSION SERVICE

October, 1971

Lonnie C. Hendricks, Farm Advisor
 Merced County

Ed Yeary, Farm Advisor
 Statewide

INVESTMENT FOR APRICOT PRODUCTION

Item	Cost		Life	Depreciation Per Year	Operation Cost Per Hour	Hours Used	Depreciation Per Hour	Hours Per Acre
	Per Acre	Total						
Land: 40 acres	\$1,000	\$40,000						
Trees: 40 acres	1,500	60,000	30	\$2,000			\$50.00/acre	
Irrigation system	150	6,000	30	200			5.00/acre	
Buildings	100	4,000	30	133			3.33/acre	
SUB-TOTAL	\$2,750	\$110,000		\$2,333				
Equipment:								
Pruning equipment		\$ 150	5	\$ 30			.75/acre	25
40 HP Crawler Trac. Used basis		6,000	10	600	1.40	200	3.00	5
WD40 tractor		6,520	10	450	.95	240	1.88	6
WG30 tractor(used)		1,500	10	150	.80	120	1.25	3
Sprayer: 500 gal.		5,500	15	367	2.65	40	9.18	1
Disc: 12'		2,000	10	200	1.25	160	1.25	4
Springtooth 20'		2,000	10	200	1.25	-	-	-
Furrower 18'		500	10	50	.30	80	.63	2
Shredder 7-1/2'		1,200	10	120	.35	80	1.50	2
Trailers (2)		2,000	10	200	.10	100	5.00/acre	-
Chisel 8'		700	10	70	.50	80	1.75/acre	-
40 ladders @ \$12.00		480	10	48			1.20/acre	-
Pickup		3,200	5	640			16.00/acre	-
Misc. equipment		1,600	10	160			4.00/acre	-
TOTAL EQUIPMENT	\$ 834	\$ 33,350		\$3,285				
TOTAL INVESTMENT		\$143,350		\$5,618				
Per acre on 80 ac.	\$3,584							
Depreciation per acre				\$ 140				
Interest per acre	\$ 158							

MONTHLY CASH FLOW FOR APRICOTS

	MONTH												
	Total	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<u>CULTURAL COSTS:</u>													
Prune	\$ 82.50	\$ 42.50											\$ 40.00
Limb Removal & Brush Shredding	7.10	7.10											
Fertilize	7.50		7.50										
Spray	60.00		20.00			20.00		20.00					
Cultivate	18.60				3.10		3.10	3.10	3.10	3.10		3.10	
Furrow	6.50				1.63		1.63	1.63		1.63			
Irrigate	32.00				5.33		5.33	5.33	5.33	5.33	5.33		
Thin	52.50						52.50						
Miscellaneous & Repairs	40.20	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.20				
TOTAL CULTURAL	\$363.80	\$ 54.60	\$ 32.50	\$ 5.00	\$ 15.06	\$ 25.00	\$ 67.56	\$ 35.06	\$ 13.63	\$ 10.06	\$ 5.33	\$ 3.10	\$ 40.00
<u>HARVEST COSTS:</u>													
Pick & Roadside									150.00	60.00			
<u>CASH OVERHEAD:</u>													
Misc., Office	23.40	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
Taxes: County	33.50		16.75						16.75				
TOTAL CASH OVERHEAD		\$ 1.95	\$ 18.70	\$ 1.95	\$ 1.95	\$ 1.95	\$ 1.95	\$ 1.95	\$ 18.70	\$ 1.95	\$ 1.95	\$ 1.95	\$ 1.95
TOTAL CASH COSTS FOR MONTH		\$ 56.55	\$ 51.20	\$ 6.95	\$ 17.01	\$ 26.95	\$ 69.51	\$ 37.01	\$182.33	\$ 72.01	\$ 7.28	\$ 5.05	\$ 41.95
ACCUMULATED CASH COSTS			\$107.75	\$114.70	\$131.71	\$158.66	\$228.17	\$265.18	\$447.51	\$519.52	\$526.80	\$531.85	\$573.80