

SAMPLE IN PUTS AND COSTS FOR PRODUCING BARTLETT PEARS IN
 POTTER VALLEY, MENDOCINO COUNTY WITH A YIELD OF 15 TONS PER ACRE
 By Bruce E. Bearden and Arthur Shultis August 1958

	Hours per acre			Cost per Acre	Cost per Ton	
	Man labor	Tractor	Truck			
Pruning 108 trees @ 90¢	*75			97.20		
Brush disposal, large limbs only	2	1		4.05		
Apply fertilizer, spreader rent 50¢	1	1		3.30		
Blight control, hand work, cutting	5			6.25		
Dusting for blight control 8 times	2	2		5.60		
Spraying 9 times plus \$14 for sprayer	14	14		53.20		
Cultivation and irrig. preparation	6	6		16.80		
Hoe around trees, and sucker	6	4		7.50		
Irrigate 3 times	10			12.50		
Place & pick up 24 heaters per acre	2		1	4.75		
Filling & refilling for 18 hrs. use	2		1	4.75		
Lighting for 18 hrs. use (\$1.50/hr.)	3			4.50		
Misc. other cultural work	6	1	1	11.30		
Total cultural labor & field power	134	29	3	231.70	15.45	
Picking @ 20¢ per 50-lb. box	*90			120.00		
Supervision and loading	9			13.50		
Hauling boxes and fruit	9		9	31.50		
Total harvesting cost	108		9	165.00	11.00	
Total cultural, labor & field power				396.70	26.45	
Irrigation water, 18 A. in.				7.00		
Commercial fertilizer, 90 lbs. actual nitrogen				15.00		
Copper lime dust for blight (Streptomycin \$39.)				20.00		
Spray materials				44.00		
Heater oil, 18 hrs. burning 24 hrs/acre, 216 gal. @ 16.2				35.00		
Miscellaneous other materials				4.00		
Total material cost				125.00	8.33	
Total labor, material & field power cost				521.70	34.78	
General expenses, office, car, etc. at 5% of above				26.09		
County taxes on land, trees, equipment				17.00		
Repairs (except tractor & truck)				8.00		
Insurance: fire, compensation, soc. security, etc.				10.00		
Total cash overhead costs				61.09	4.07	
Total cash costs				582.79	38.85	
Investment & overhead costs based on a 20-acre orchard	Original Cost 20 A.	Dollars per acre				
		Avg. Value	5% Int.	De-prec.		
Trees, cost \$800 A. 50 Yr.	16,000.	400.00	20.00	16.00		
Implement shed & shop	2,000.	50.00	2.50	2.50		
Labor camp & equipment	2,500.	62.50	3.13	6.25		
Irrig. head ditches & boxes	400.	10.00	.50	2.00		
Tillage equipment	1,000.	25.00	1.25	2.50		
Sprayer & duster	5,500.	137.50	6.87	18.00		
Ladders, lug boxes, small eqpt.	2,000.	50.00	2.50	7.00		
Tractor, truck, pickup	11,000.	275.00	13.75	36.50		
Orchard heaters, tanks, etc.	2,050.	51.25	2.56	8.50		
Land, No. 1 bottom land	16,000.	800.00	40.00	- - -		
Total investment	58,450.	1861.25				
Total depreciation				99.25	99.25	6.62
Total cash & depreciation costs					682.04	45.47
Total interest on investment @ 5%			93.06		93.06	6.20
Total cost of production					775.10	51.67

* Hours are estimated at probable earnings at piece rates.