

SAMPLE INPUTS AND COSTS FOR PRODUCING DAMIELL PEARs IN
UKIAH 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, disk 4 times	4	4		11.20		
Hoe around trees and sucker	6			7.50		
Irrigate 3 times with sprinklers	5			6.25		
Misc. other cultural work	6	1	1	11.30		
Total cultural labor & field power	120	23	1	205.85	13.72	
Picking @ 20¢ per 50 lb. box	*90			120.00	8.00	
Supervision and loading	9			13.50	.90	
Hauling boxes and fruit	9		9	31.50	2.10	
Total harvesting cost	108	9	9	165.00	11.00	
Total cultural, labor & field power	228	23	10	370.85	24.72	
Irrigation water, 18 acre inches 120 ft. head				11.31		
Commercial fertilizer, 90 lbs. nitrogen				15.00		
Copper lime dust for blight (Streptomycin \$39.)				20.00		
Spray materials				44.00		
Miscellaneous other materials				4.00		
Total material cost				94.31	6.29	
Total labor, material & field power cost				465.16	31.01	
General expense, office, car, etc. at 5% of above				23.26		
County taxes on land, trees, equipment				25.00		
Repairs to equip. & buildings (except tractor & truck)				8.00		
Insurance: fire, compensation, soc. sec., etc.				10.00		
Total cash overhead costs				66.26	4.41	
Total cash costs				531.42	35.42	
Investment and 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. life	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. pump, pipe, sprinklers	3,000.	75.00	3.75	11.25		
Tillage equipment	1,000.	25.00	1.25	2.50		
Spraying and dusting	5,500.	137.50	6.87	18.00		
Ladders, lug boxes, small eqt.	2,000.	50.00	2.50	7.00		
Tractor, truck, pickup	11,000.	275.00	13.75	36.50		
Land, No. 1 or No. 2 bottom	24,000.	1200.00	60.00	- - -		
Total investment	67,000.	2275.00				
Total depreciation				100.00	100.00	6.67
Total cash and depreciation costs					631.42	42.09
Total interest on investment @ 5%			113.75		113.75	7.58
Total cost of production					745.17	49.67

* Hours are estimated at probable earnings at piece rates.

Labor costs above are figured at the following hourly rates: tractor driver \$1.50, other labor \$1.25, cash costs incl. repairs, 30 HP track tractor \$1.30, truck \$2.00, sprayer \$1.00. Average value of depreciable items figured at half of original cost. Investment is estimated at about 1958 prices for new equipment and is assumed to serve only 20 acres.

$1737.50 \times 5 = \$8687.50$
UC COOPERATIVE EXTENSION