ENGLISH WALNUT ORCHARD ESTABLISHMENT COSTS
Cost Analysis Work Sheet, 1979

Costs are for a 28' x 28' planting with 55 trees per acre. Based on labor at $4.10 and $5.00 per hour costs to the grower. Medium wheel tractor per hour cash costs $3.90; depreciation $2.10; and interest $1.20.

	Costs Per Acre					
	1st year	2nd year	3rd year	4th year	5th year	6th year
YIELD (lbs./acre, in-shell)	-	-	-	-	500	1000
Pre-Harvest Cash Costs:						
Land preparation: subsoil, contract	$ 160.00					
Disc & float: 4 hrs. labor + 4 hrs. tractor	35.60					
Trees: 55 @ $5.00 (+2, 2nd yr.; 1, 3rd yr.)	275.00	$ 10.00	$ 5.00			
Survey & plant: 55 @ 50¢ (+2, 2nd yr.; 1, 3rd yr. @ $2 ea.)	27.50	4.00	2.00			
Training, pruning	2.00	8.00	10.00	$ 16.40	$ 75.00	$ 90.00
Tillage & irrigation prep.: 7 hrs. labor + 7 hrs. tractor ea. yr.	62.30	62.30	62.30	62.30	62.30	62.30
Irrigation: 4 hrs. labor 1st & 2nd yrs.; then 6 hrs. labor per year	16.40	16.40	24.60	24.60	24.60	24.60
Water: $14/ac. ft. + district tax @ $6	20.00	20.00	27.00	34.00	48.00	48.00
Fertilizer: nitrogen @ 25¢/lb. applied	6.88	10.31	13.75	16.50	20.63	27.50
Spray materials			12.00	12.00	12.00	18.00
Spray application: contract			12.00	12.00	12.00	12.00
Misc. labor: 6 hrs. labor + 1 hr. tractor	29.40	29.40	29.40	29.40	29.40	29.40
Misc. materials	18.00	18.00	18.00	18.00	18.00	18.00
County taxes	38.00	38.00	38.00	38.00	38.00	63.00
Repairs, except tractor	20.00	20.00	20.00	20.00	20.00	20.00
Office and business costs	56.89	18.91	21.92	22.66	28.79	33.02
TOTAL PRE-HARVEST CASH COSTS	$ 767.97	$ 255.32	$ 295.97	$ 305.86	$ 388.72	$ 445.82
Harvesting Costs:						
Shake, pick, hull, haul and dry: $140/ton					$ 35.00	$ 70.00
TOTAL HARVESTING COSTS					$ 35.00	$ 70.00
TOTAL CASH COSTS	$ 767.97	$ 255.32	$ 295.97	$ 305.86	$ 423.72	$ 515.82
Depreciation:						
Irrigation system: $300, 12 yr. life	$ 25.00	$ 25.00	$ 25.00	$ 25.00	$ 25.00	$ 25.00
Buildings & equipment: $140, 12 yr. life	11.67	11.67	11.67	11.67	11.67	11.67
Tractor: $2.10/hr.	25.20	16.80	16.80	16.80	16.80	16.80
TOTAL DEPRECIATION	$ 61.87	$ 53.47	$ 53.47	$ 53.47	$ 53.47	$ 53.47

	1st year	2nd year	3rd year	4th year	5th year	6th year
Interest on Investment @ 11%:						
Irrigation system:						
1/2 cost $150	$ 16.50	$ 16.50	$ 16.50	$ 16.50	$ 16.50	$ 16.50
Buildings & equipment:						
1/2 cost $70	7.70	7.70	7.70	7.70	7.70	7.70
Tractor: $1.20/hr.	14.40	9.60	9.60	9.60	9.60	9.60
Land: $3500/acre	385.00	385.00	385.00	385.00	385.00	385.00
Interest on accumulated costs		137.88	233.08	343.23	466.57	594.46
TOTAL INTEREST ON INVESTMENT	$ 423.60	$ 556.68	$ 651.88	$ 762.03	$ 885.37	$1013.26
TOTAL COST FOR THE YEAR	$1253.44	$ 865.47	$1001.32	$1121.36	$1362.56	$1582.55
CREDIT FOR PRODUCTION: @ 40¢/LB. IN-SHELL					$ 200.00	$ 400.00
NET COST FOR THE YEAR	$1253.44	$ 865.47	$1001.32	$1121.36	$1162.56	$1182.55
ACCUMULATED NET COST	$1253.44	$2118.91	$3120.23	$4244.59	$5404.15	$6586.70

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