

COST ANALYSIS WORK SHEET
SAMPLE COSTS TO PRODUCE WALNUTS IN KINGS COUNTY - 1970

Based on a yield of 2500 lbs. dry nuts per acre. Man labor at \$1.90 per hour total and equipment operator \$2.20; 40 hp. wheel tractor per hour cash costs \$1.30; depreciation 70¢ and interest 34¢.

	Sample Costs		Your Costs	
	Per Acre	Per CWT	Per Acre	Per CWT
PRE-HARVEST CASH COSTS:				
Pruning: 8 hrs. man and machine	\$ 15.20			
Brush disposal: 3 man hrs. 1 tractor hr.	7.30			
Fertilizer: 150 lbs. N @ 11¢ applied	16.50			
Spray materials	9.00			
Spray application: contract 2¢ gal (600 gal.)	12.00			
Tillage and prep. for harvest 7 hrs. man and tractor	24.50			
Irrigating: 7 X labor 7 man hrs.	13.30			
Water district tax	8.75			
Avg. power for pumping to 40" water total	10.00			
Misc. labor: 4 man hrs and 1 tractor hr.	9.20			
Misc. materials	6.00			
County taxes	28.00			
Repairs, except tractor	8.00			
Office, car, business costs, etc.	20.50			
Total Pre-Harvest Cash Costs	\$188.25	\$ 7.53		
HARVESTING COSTS:				
Shake, pick, hull, dehydrate and haul:				
\$100.00 ton	\$125.00	\$ 5.00		
Total Harvesting Costs	\$125.00			
Total Cash Costs	\$313.25	\$12.53		
DEPRECIATION COSTS:				
Irrigation facilities: \$200, 20 yrs.	10.00			
Buildings and equipment except tractor: \$120.00, 15 yrs	8.00			
Tractor: 9 hrs. @ 70¢	6.30			
Trees: \$1500, 40 yrs	37.50			
Total Depreciation	\$ 61.80	\$ 2.47		
INTEREST ON INVESTMENT @ 7%:				
Irrigation facilities: ½ cost \$100.00	\$ 7.00			
Bldgs. and equipment except tractor: ½ cost \$60.00	4.20			
Tractor: 9 hrs. @ 34¢	3.06			
Trees: ½ cost \$750.00	52.50			
Land: \$1000	70.00			
Total Interest on Investment	\$136.76	\$ 5.47		
TOTAL COST OF PRODUCTION	\$511.81	\$20.47		

SAMPLE COSTS PER HUNDRED LBS. AT VARYING YIELDS

Yield: Pounds per acre	1000	1500	2000	2500	3000	3500
Total Cost Per CWT.	\$43.68	\$30.79	\$24.34	\$20.47	\$17.89	\$16.05

WALNUT PRODUCTION

IN KINGS COUNTY

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This worksheet was developed to show average production costs of walnuts grown in Kings County. Costs will vary from one grower to another depending upon his cultural practices, insect problems and cost of water and supplies.

Several developments in walnut production are worth noting. First, cultural methods of producing walnuts are changing. This is evident in new orchard plantings, tree spacing is closer together for earlier production per acre.

The second development is the planting of new varieties which have early-bearing characteristics and high production potential.

The third development is non-tillage of orchards. This practice is gaining in acceptance, although only 2-3% of the total acreage is in non-tillage so far.

Control of walnut aphids may not be the problem it has been in the past with the introduction of the aphid predator, Trioxys pallidus. These predators appear to be well established in all walnut orchards in the county.

Mechanical harvesters and harvesting aids to pick up the walnuts from the orchard floor are becoming more numerous.