

INVESTMENT FOR WALNUT PRODUCTION

Stanislaus County - 1967

David E. Ramos, Farm Advisor - Doyle Reed, Extension Economist

Item	Cost		Life	Depreciation	Operation Cost Per Hour	Hours Used	Depreciation Per Hour	Hours Per Acre
	Per Acre	Total						
Land - 80 acres	1,500	120,000						
Trees - 80 acres	2,238	179,040	40	4,476			55.95/acre	
Irrigation system	150	12,000	25	480			6.00/acre	
Buildings	90	7,200	25	288			3.60/acre	
<b>Equipment</b>								
Tractor TD 40		11,700	15	780	1.25	560	1.40	
Tractor WD 30		5,000	10	500	.85	400	1.25	
Pruning equipment		300	5	60	.10		.75/acre	
Trailer		1,400	15	93	.20	120	.78	
Fertilizer spreader 12°		450	10	45	.25	80	.58	.5
Sprayer 500 gal.		5,500	15	367	2.65	95	3.86	.3
Disc 12°		1,750	10	175	1.15	400	.44	.4
Ridger		600	10	60	.40	64	.94	.2
Weed sprayer		200	10	20	.10	24		
Float 12°		60	10	6	.05	80	.08	.2
Roller		200	10	20	.10	80	.25	
Shaker		5,600	5	1,120	1.85	160	7.63	2.0
Rake		2,000	5	400	.75	136	2.94	1.7
Pickup machine		9,000	5	1,800	3.30	96	18.75	1.2
Carts (2)		500	10	50	.05	96	.52	1.2
Misc.		2,740	10	274			3.30/acre	
Total Equipment	597	47,000						
Huller and building	188	15,000						
Pickup	31	2,500	5	500			6.25/acre	
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Total Investment		382,740		12,514				
Per Acre on 80 acres		4,784						
Depreciation per acre				156				
Interest per acre		189						

**SAMPLE COSTS TO PRODUCE WALNUTS - STANISLAUS COUNTY - 1967**

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Based on an 80-acre orchard yielding 2,500 pounds. Trees 42' x 42', 24 trees per acre  
Labor at \$1.95 and \$2.25 per hour including social security and compensation insurance

Operation	Hours Per Acre	Cash and Depreciation Costs Per Acre						Total Cost
		Labor	Fuel & Repairs	Depreciation	Materials		Cost	
					Kind	Amount		
<b>Cultural Costs</b>								
Prune	10.0	\$19.50	\$ 1.00	\$ .75				\$ 21.25
Brush disposal	1.5	3.30	1.60	3.10				8.00
Fertilize 2x	1.0	2.25	1.30	1.80	150 lbs. N @ 11¢	\$ 16.50		21.85
Spray 4x	1.2	2.70	3.90	6.30	Material	35.00		47.90
Cultivate 8x	4.0	9.00	8.80	7.40				25.20
Ridge 4x	.8	1.80	1.35	1.90				5.05
Irrigate 4x	1.2	2.25	1.00	6.00	Water tax	1.10		10.35
Spray weeds	.3	.70	.30		Herbicide	1.00		2.00
Misc.	3.0	5.85	2.00	3.30		5.00		16.15
<b>TOTAL CULTURAL COSTS</b>		<b>\$47.35</b>	<b>\$21.25</b>	<b>\$ 30.55</b>		<b>\$ 58.60</b>		<b>\$157.75</b>
<b>Harvest Costs</b>								
Cultivate 2x	1.0	\$ 2.25	\$ 2.40	\$ 1.85				\$ 6.50
Float & roll 3x	1.0	2.25	1.00	1.60				4.85
Shake 2x	2.0	4.50	3.70	15.25				23.45
Rake	1.7	3.85	1.30	5.00				10.15
Pick up	1.2	2.70	5.00	24.00				31.70
Haul to huller	1.2	2.70	1.20	.65				4.55
Hull & dry		8.50	6.25	12.50		\$ 3.75		31.00
<b>TOTAL HARVEST COSTS</b>		<b>\$26.75</b>	<b>\$20.85</b>	<b>\$ 60.85</b>		<b>\$ 3.75</b>		<b>\$112.20</b>
<b>Overhead Costs</b>								
Misc., office, etc.				\$ 9.05		\$ 14.75		\$ 23.80
Taxes						35.00		35.00
Tree depreciation				55.95				55.95
<b>TOTAL OVERHEAD</b>				<b>\$ 65.00</b>		<b>\$ 49.75</b>		<b>\$114.75</b>
<b>TOTAL CASH AND DEPRECIATION</b>		<b>\$74.10</b>	<b>\$42.10</b>	<b>\$156.40</b>		<b>\$112.10</b>		<b>\$384.70</b>
<b>Interest</b>								<b>\$188.80</b>
Management	5% of 2500 lbs. @ 22¢							27.50
<b>TOTAL COST PER ACRE</b>								<b>\$601.00</b>
<b>COST PER POUND @ 2500 POUND YIELD</b>								<b>24¢</b>