

## INVESTMENT FOR WALNUT PRODUCTION IN SUTTER-BUTTE COUNTIES

Based on 100 acres.

Item	Original Cost		Yrs. Life	Annual Use Acres	Non-cash Overhead	
	Total	Per Acre			Deprec.	Int.
40 H.P. W.D. tractor	\$ 5,200	\$ 52	15	100	\$ 3.47	\$ 1.56
Disc 12'	1,500	15	10	100	1.50	.45
Sprayer, 200 gal.	1,000	10	10	100	1.00	.30
Drag	200	2	15	100	.13	.06
Springtooth harrow	350	3.50	10	100	.35	.11
Pickup truck, 3/4 ton	2,500	25	10	100	2.50	.75
Shop	2,000	20	15	100	1.33	.60
Misc., ladders, etc.	1,000	10	10	100	1.00	.30
<b>Total</b>	<b>\$ 13,750</b>	<b>\$ 138</b>			<b>\$11.28</b>	<b>\$ 4.13</b>
4th year additions:						
Fertilizer spreader	\$ 500	\$ 5	10	100	.50	.15
Trailer for brush removal	400	4	10	100	.40	.12
<b>TOTAL EQUIPMENT</b>	<b>\$ 14,650</b>	<b>\$ 147</b>			<b>\$12.18</b>	<b>\$ 4.40</b>
Irrigation system	\$ 10,000	\$ 100	20		\$ 5.00	\$ 3.00
Buildings	5,000	50	30		1.67	1.50
Land	125,000	1,250				75.00
<b>TOTAL</b>	<b>\$154,650</b>	<b>\$1,547</b>			<b>\$18.85</b>	<b>\$83.90</b>

Source: Retan, Art, Dave Chaney, and Philip S. Parsons, Developing a New Walnut Orchard, Butte-Sutter Counties.

**SAMPLE COSTS TO DEVELOP A WALNUT ORCHARD  
IN BUTTE-SUTTER COUNTIES - 1965**

Based on 100 acres planted 25' x 25', 70 trees per acre. Hartleys interplanted with Ashley. Labor at \$1.30 and \$1.65.

	Year						
	1	2	3	4	5	6	7
Yield - pounds				350	525	875	2,100
Gross income				\$70.00	\$105.00	\$175.00	\$420.00
	dollars						
<u>Costs</u>							
Mark & stake	13.40						
Dig holes	8.40						
Plant & stake	295.30	31.01	19.54	8.99			
Water	14.00						
Total planting	331.10	31.01	19.54	8.99			
Prune		5.17	11.34	24.15	24.15	24.15	24.15
Remove brush				4.15	4.15	4.15	4.15
Whitewash	3.50	7.00	8.40				
Irrigate	15.05	15.05	15.05	15.05	15.05	15.05	15.05
Disc	9.30	9.30	9.30	6.10	6.10	6.10	6.10
Hoe	39.90	39.90	13.30				
Tie & sucker	15.00	24.90					
Spray	6.13	6.13	6.91	11.03	27.43	33.49	33.49
Summer pinch			5.78	2.48			
Landplane					1.92	1.92	1.92
Total cultural	88.88	107.45	70.08	62.96	78.80	84.86	84.86
Harvest				19.47	32.21	42.15	79.75
Miscellaneous overhead	21.00	6.92	4.48	4.57	5.55	6.35	8.23
Taxes & insurance	19.95	19.95	19.95	37.54	41.24	45.05	48.29
Total cash	460.93	165.33	114.05	133.53	157.80	178.41	221.13
Management	10.00	10.00	10.00	10.00	10.00	10.00	21.00
Depreciation	17.95	17.95	17.95	18.85	18.85	18.85	18.85
Interest	83.63	118.01	136.67	153.68	168.44	183.44	196.40
Total cost	572.51	311.29	278.67	316.06	355.09	390.70	457.38
Net cost				246.06	250.09	215.70	37.38
Accumulated cost	572.51	883.80	1,162.47	1,408.53	1,658.62	1,874.32	1,911.70
<u>Investment per acre</u>							
Land	1,250	1,250	1,250	1,250	1,250	1,250	1,250
Trees		573	884	1,162	1,409	1,659	1,874
Buildings	50	50	50	50	50	50	50
Irrigation	100	100	100	100	100	100	100
Equipment	138	138	138	147	147	147	147
Total	1,538	2,111	2,422	2,709	2,956	3,206	3,421

The orchard becomes self-sufficient in the eighth year. The total cost of development is \$1,911.70

Source: Retan, Art, Dave Chaney, and Philip Parsons. Developing A New Walnut Orchard, Butte-Sutter Counties, University of California Agricultural Extension Service Mimeo, January 1965.