

ESTIMATED NON-DISCOUNTED COST OF REPLACING AN ALMOND TREE, APRIL 1985

by
Wesley K. Asai - University of California Farm Advisor
Stanislaus County

Based on 24' x 24' planting - 75 trees per acre
1500 lbs. of almond meats per acre = 20 lbs. per tree
Price @ .90¢ per meat pound

This sheet only represents an average estimate of the cost to REPLACE a lost almond tree.

The actual VALUE of a tree would be determined by an individual's specific production tonnage and price received. Also, to compensate for the lump-sum payment, the dollar value would have to be discounted at current interest rates.

Other losses attributable to inconveniences, personal grief or decrease in property value, etc. would be settled as general damages and do not affect the tree replacement costs.

Age of Tree	1	2	3	4	5	6	7
% of Full Crop	-	-	10%	20%	50%	75%	100%
Lbs. Meat/Tree	-	-	2	4	10	15	20
\$ value @ .90¢/lb.	-	-	\$1.80	\$3.60	\$9.00	\$13.50	\$18.00
						\$4.50	
				\$14.40	\$9.00		
			\$16.00				
\$ Difference	\$18.00	\$18.00					

Age of Tree	1	2	3	4	5	6	7
*Cultural Cost	\$200	\$225	\$260	\$350	\$450	\$600	\$750
Cost Per Tree	\$2.70	\$3.00	\$3.50	\$4.70	\$6.00	\$8.00	\$10.00
Cumulative Cost	\$2.70	\$5.70	\$9.20	\$13.90	\$19.90	\$27.90	\$37.90

Age of Tree	1	2	3	4	5	6	7
**Harvest Cost	-	-	-	\$ 90	\$220	\$240	\$260
Cost Per Tree	-	-	-	\$1.20	\$3.00	\$3.20	\$3.50
- Negative Accumulative Cost	\$3.50	\$7.00	\$10.50	\$13.70	\$16.70	\$17.90	\$19.10

Age of Tree	Cost To Replant Tree	Cultural Cost To Develop Tree To This Age*	\$ Loss Due to Crop Loss (Ages 1-6)	Less Decrease In Harvest Cost**	Cost To Replace Tree
7 & Older	\$15	\$37.90	4.5+9.0+14.4+16+18+18=\$79.90	-\$19.10	\$113.70
6	15	27.90	4.5+9.0+14.4+16+18= 79.90	- 17.90	104.90
5	15	19.90	4.5+9.0+14.4+16+18 = 61.90	- 16.70	80.10
4	15	13.90	4.5+9.0+14.4+16 = 43.90	- 13.70	59.10
3	15	9.20	4.5+9.0+14.4 = 27.90	- 10.50	41.60
2	15	5.70	4.5+9.0 = 13.50	- 7.00	27.20
1	15	2.70	4.5 = 4.50	- 3.50	18.70

Some figures have been rounded to whole numbers.