

LARODA PLUM PRODUCTION

Cost Analysis Work Sheet

Marvin H. Gerdts and E. A. Yeary
Farm Advisors

This work sheet was developed to show sample costs for an above average yield, mature orchard under Fresno County conditions. These costs will be useful as a guide when a specific orchard planting is under consideration.

When using this work sheet it is important to consider the following:

1. Seasonal variations influence fruit set and quality. Consequently, differences in thinning, pest control and cullage will occur.
2. These sample costs are based on 10 acre fruit operation and larger.
3. No account is taken for partial or complete crop loss due to frost, rain, labor problems, etc.
4. No allowance is made for cost of management.
5. Interest and depreciation costs are based on the present costs of establishing an orchard. Present bearing orchards may have been established at a lower cost.
6. Costs per four basket crate are based on an average net weight of 27 lbs. Net weights may vary depending on count and maturity.

Yield: Tons per acre	<u>Sample Costs at Varying Yields</u>				<u>Exceptional</u>		
	7	8	10	<u>Average</u> 12	14	16	18
Total cost of production per ton	\$136.32	\$123.00	\$104.43	\$92.01	\$83.14	\$76.52	\$71.34
Cash costs only: for one 27 lb. crate	1.64	1.49	1.28	1.15	1.05	.97	.91
Total cost per 27 lb. crate	2.04	1.85	1.57	1.38	1.25	1.15	1.07
Packed crates per acre	467	533	667	800	933	1067	1200

* * * * *

Farm & Home Advisors Office
1720 S. Maple Avenue
Fresno, California 93702

December 31, 1970

LARODA PLUMS FOR FRESH SHIPMENT

(matures in mid-July)

Cost Analysis Work Sheet

Sample costs to produce Laroda plums in Fresno County for fresh shipment. Costs are for a mature orchard containing 108 trees per planted acre, producing 13½ tons of fruit, with approximately 10% graded as culls. Man labor \$2.00 per hour total, and equipment operator \$2.20. Medium wheel tractor per hour cash costs \$1.40, depreciation 60¢ and interest 30¢.

	<u>Sample Costs</u>		<u>My Costs</u>	
	<u>Per Acre</u>	<u>Per Ton</u>	<u>Per Acre</u>	<u>Per Ton</u>
PRE-HARVEST CASH COSTS:				
Pruning: 108 trees @ \$1.05	113.40			
Brush disposal: contract \$6	6.00			
3 man hrs. raking brush	6.00			
Fertilize: 125 lbs. N @ 12¢	15.00			
½ hr. man & tractor	1.80			
Spray 2 times: materials	30.58			
application: .175¢ gallon	15.75			
Furrow 3 times: 1½ hrs. man & tractor	5.40			
Irrigate 7 times: labor 13 hrs.	26.00			
3½ ft. water: power & tax \$4 ac. ft.	14.00			
Disc 5 times: 7½ hrs. man & tractor	27.00			
Thin: 108 trees @ \$1.25	135.00			
Prop & tie: labor 4 hrs.	8.00			
materials	3.00			
Plant covercrop: 60 lbs. barley	2.40			
½ hr. man & tractor	1.80			
Taxes	28.00			
Misc. labor, materials, field power: includes 4 man hrs. & 1 tractor hr.	11.60			
Repairs to equipment except tractor	8.00			
Office, car, operating capital, insurance, etc.	54.42			
Total Pre-harvest Cash Costs	513.15	38.01		
HARVESTING COSTS:				
Pick: 900 crates (27 lbs.) @ 45¢	405.00			
Roadside: 12 man hrs. & 6 tractor hrs.	33.60			
Misc. 4 man hrs. & 1 tractor hr.	9.60			
Total Harvesting Costs	448.20	33.20		
TOTAL CASH COSTS	961.35	71.21		
DEPRECIATION:				
Irrigation system & well: \$240 cost 25 yr. life	9.60			
Bldgs. & equip. except tractor: \$120 cost 15 yr. life	8.00			
Tractor: 17 hrs. @ 60¢	10.20			
Trees: cost \$1160, 30 yr. life	38.67			
Total Depreciation	66.47	4.92		
INTEREST ON INVESTMENT AT 7%:				
Irrigation system & well: ½ cost \$120	8.40			
Bldgs. & equipment except tractor: ½ cost \$60	4.20			
Tractor: 17 hrs. @ 30¢	5.10			
Trees: ½ cost \$580	40.60			
Land: \$900	63.00			
Total Interest on Investment	121.30	8.99		
TOTAL COST OF PRODUCTION	1149.12	85.12		
200 lbs. culls	no value			
Net cost of 1800 lbs. merchantable fruit	85.12			
Net cash cost of 27 lbs. (1 crate) merchantable fruit	1.07			
Total cost of one 27 lbs. crate	1.28			