

LARODA PLUMS
(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 9 tons of fruit, with 12% discarded as culls. Man labor @ \$1.25 per hour total and equipment operator \$1.40.

	<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 @ 95¢	\$102.60			
Brush disposal contract \$4.00 per acre	4.00			
3 man hrs. raking brush	3.75			
Fertilize: 100 lbs. N at 15¢	15.00			
application - ½ hr. man & tractor	1.20			
Spray 2 times: materials	24.00			
application - 1000 gals. @ 2¢	20.00			
Furrow 4 times: 2 hrs. man & tractor	4.80			
Irrigate 8 times: labor 14 hrs.	17.50			
3½ ft. of water	12.95			
Disc 5 times - 7½ hrs. man & tractor	18.00			
Thin 108 trees @ \$1.00	108.00			
Plant cover crop - 60 lbs. barley	2.10			
½ hr. man & tractor	1.20			
Taxes	16.50			
Misc. labor, materials, field power incl.				
4 man hrs. & 1 tractor hr.	8.10			
Repairs to equipment except tractor	1.60			
Office, car, operating capital, insurance, etc.	18.00			
Total Pre-harvest Cash Costs	379.30	42.14		
HARVESTING COSTS				
Pick 9 tons of fruit @ \$22.00	198.00			
Roadside - 16 man hrs. & 8 tractor hrs.	29.20			
Misc. 4 man hrs. & 2 tractor hrs.	7.30			
Total Harvesting Costs	234.50	26.06		
TOTAL CASH AND LABOR COSTS	613.80	68.20		
DEPRECIATION				
Irrigation system: cost \$90 - 20 yr. life	4.50			
Tractor: 21½ hrs. @ 41¢	8.82			
Bldgs. for equipment - cost \$20 - 20 yr. life	1.00			
Equipment except tractor - cost \$40 - 10 yr. life	4.00			
Trees: cost \$714 - 20 yr. life	35.70			
Total Depreciation	54.02	6.00		
INTEREST ON INVESTMENT @ 6%				
Land @ \$800	48.00			
Irrigation system - ½ cost \$45	2.70			
Tractor 21½ hrs. @ 19¢	4.09			
Equipment except tractor - ½ cost \$20	1.20			
Bldgs. for equipment - ½ cost \$10	.60			
Trees - ½ cost \$357	21.42			
Total Interest on Investment	78.01	8.67		
TOTAL COST OF PRODUCTION	745.83	82.87		
240 lbs. culls per ton (12%)	No value			
Net cost of 1760 lbs. merchantable fruit	\$82.87			
Net cost of 27 lbs. (one 4-basket crate)	1.27			
Net <u>cash costs only</u> of one 4-basket crate	1.05			

LARODA PLUM PRODUCTION

Cost Analysis Work Sheet

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This work sheet was developed to show sample costs for a good yield, mature orchard under Fresno County conditions. These costs will be useful as a guide when a specific orchard planting is under consideration. If this sheet is to be used for other mid to late season varieties the following changes should be noted per variety:

- Late Santa Rosa - higher fruit cullage because of splits - sometimes 20%.
- Queen Ann - alternate bearer with reduced growth reflecting somewhat lower pruning and harvest costs.
- Nubiana - some years fruit cullage is high because of splits.

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

1. Seasonal variations tremendously 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 operations and larger. Additionally Larodas must be one of the major varieties in the orchard (33-75%) and not just a pollinizer.
3. No account is taken for partial or complete crop loss due to frost, rain, heat damage, 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 4-basket crate are based on an average net weight of 27 pounds. Net weights may vary depending on size and maturity.

	<u>Sample Costs at Varying Yields</u>						<u>Exceptional</u>	
	6	<u>Average</u>			10	11	12	
Tons Per Acre								
Total Costs of Production Per Ton	\$111.28	99.11	89.98	82.87	77.19	72.54	68.67	
Total Cost 27 lbs.								
Merchantable Fruit	1.71	1.52	1.38	1.27	1.18	1.11	1.05	
Cash Costs Only - 27 lb.								
4-basket Crate	1.37	1.23	1.13	1.05	.98	.93	.88	
Packed Lugs Per Acre	391	456	521	587	652	717	782	

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