

SANTA ROSA 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 early season varieties the following changes should be noted per variety.

Beauty - sets extremely heavy crops - thinning costs can run from \$2-4 per tree. Pruning cost may be slightly higher.

Burmosa - thinning costs sometimes higher on good orchards.

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 Santa Rosas must be one of the major varieties 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.

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Sample Costs at Varying Yields

Tons Per Acre	<u>Average</u>					<u>Exceptional</u>	
	4	5	6	7	8	9	10
Total Cost of Production Per Ton	\$153.04	127.81	110.99	98.96	89.95	82.94	77.33
Total Cost 27 lbs. Merchantable Fruit	2.96	1.92	1.66	1.48	1.35	1.24	1.16
Cash Costs Only - 27 lbs. (one 4-basket crate)	1.81	1.52	1.34	1.20	1.10	1.03	.96
Packed Lugs Per Acre	268	335	402	469	536	603	670

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SANTA ROSA PLUMS  
(Matures in mid-June)

Cost Analysis Work Sheet

Sample costs to produce Santa Rosa plums in Fresno County for fresh shipment. Costs are for a mature orchard containing 108 trees per planted acre, producing 6 tons of fruit with 10% discarded as culls. Man labor @ \$1.25 per hour total and equipment operator \$1.40.

	Sample Costs		My Costs	
	Per Acre	Per Ton	Per Acre	Per Ton
<b>PRE-HARVEST CASH COSTS</b>				
Pruning: 108 trees @ \$1.05	\$113.40			
Brush disposal: contract \$4.00 per acre	4.00			
3 man hrs. raking brush	3.75			
Fertilize: 100 lbs. N @ 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 @ 85¢	91.80			
Plant cover crop: 60 lbs. barley	2.10			
½ hr. man & tractor	1.20			
Taxes	16.50			
Misc. labor, materials, field power including				
4 man hrs. & 1 tractor hr.	8.10			
Repairs to equipment except tractor	1.60			
Office, car, operating capital, insurance, etc.	18.00			
<b>Total Pre-harvest Cash Costs</b>	<b>373.90</b>	<b>62.32</b>		
<b>HARVESTING COSTS</b>				
Pick 6 tons of fruit @ \$22	132.00			
Roadside: 13 man hrs. 6 tractor hrs.	23.15			
Misc. 3 man hrs. & 2 tractor hrs.	6.05			
<b>Total Harvesting Costs</b>	<b>161.20</b>	<b>26.86</b>		
<b>TOTAL CASH COSTS</b>	<b>535.10</b>	<b>89.18</b>		
<b>DEPRECIATION :</b>				
<del>Irrigation system: cost \$90 - 20 yr. life</del>	<del>4.50</del>			
Tractor: 19½ hrs. @ 41¢	8.00			
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			
<b>Total Depreciation</b>	<b>53.20</b>	<b>8.87</b>		
<b>INTEREST ON INVESTMENT @ 6%</b>				
Land @ \$800	48.00			
Irrigation system ½ cost \$45	2.70			
Tractor: 19½ hrs. @ 19¢	3.71			
Equipment except tractor: ½ cost \$20	1.20			
Bldgs. for equipment: ½ cost \$10	.60			
Trees: ½ cost \$357	21.42			
<b>Total Interest on Investment</b>	<b>77.63</b>	<b>12.94</b>		
<b>TOTAL COST OF PRODUCTION</b>	<b>665.93</b>	<b>110.99</b>		
200 lbs. culls per ton (10%)	no value			
Net cost of 1800 lbs. merchantable fruit	\$110.99			
Net cost of 27 lbs. (one 4-basket crate)	1.66			
Net <u>cash costs only</u> of one 4-basket crate	1.34			