

## SAN JOAQUIN VALLEY

THOMPSON SEEDLESS FOR TABLE USE - Sample Costs for a Mature Vineyard  
 Cost Analysis Worksheet, 1980

used on a 120-acre unit, vines spaced at 8' x 12'. Labor costs at \$4.50 and \$5.50 per hour total. Tractor per hour cash costs at \$3.90, depreciation at \$2.10, and interest at \$1.20. Wages include Social Security, Workmen's Compensation, insurance, and other fringe benefits. Yield is 522 23-pound lugs (87/ton): 6 tons shipped and 2.5 tons culled.

	Sample Costs		My Costs	
	Per Acre	Per lug	Per Acre	Per lug
<b>Pre-Harvest Cash Costs:</b>				
Pruning: contract @ 31¢/vine (450/acre)	\$ 140.			
Brush disposal: all middles, contract	9.			
Tying	25.			
Fertilizer: 60 lbs. N @ 35¢ applied	21.			
Girdling: 14 hrs. labor	63.			
Gibberellin spray - materials & application	136.			
Thinning: 41 hrs. labor	185.			
Mildew control: 2½ hrs. labor				
+ 2 hrs. tractor + materials @ \$8.00	29.			
Pest management and materials	98.			
Herbicide	30.			
Irrigation preparation and weed control:				
4 hrs. labor + 4 hrs. tractor	38.			
Irrigate: 6 hrs. labor @ \$5.50	33.			
Water-power and/or district tax - 4 ac. ft.				
@ \$20.00	80.			
Misc. labor: 8 hrs. labor + 2 hrs. tractor	46.			
Misc. materials, stakes, twine, etc.	50.			
County taxes	65.			
Repairs, except tractor	24.			
Business and office costs, operating capital, insurance, etc.	86.			
<b>TOTAL PRE-HARVEST CASH COSTS</b>	<b>\$1158.</b>	<b>\$2.22</b>		
<b>Depreciation:</b>				
Vines, stakes, trellis: cost \$4697, 30 yr. life	\$ 157.			
Irrigation system: cost \$565, 20 yr. life	28.			
Buildings and equipment, except tractor: cost \$433, 12 yr. life	36.			
Tractor: 8 hrs. @ \$2.10	17.			
<b>TOTAL DEPRECIATION</b>	<b>\$ 238.</b>	<b>\$ .45</b>		
<b>Interest on Investment @ 11%:</b>				
Vines, stakes, trellis: 1/2 cost \$2348	\$ 258.			
Irrigation system: 1/2 cost \$283	31.			
Buildings and equipment, except tractor: 1/2 cost \$216	24.			
Tractor: 8 hrs. @ \$1.20	10.			
Land: \$3500/acre	385.			
<b>TOTAL INTEREST ON INVESTMENT</b>	<b>\$ 708.</b>	<b>\$1.36</b>		
<b>TOTAL PRE-HARVEST COSTS</b>	<b>\$2104.</b>	<b>\$4.03</b>		

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Costs Per Lug of Packed Fruit

	<u>House Packed</u>		<u>Field Packed</u>	
	Sample Costs	My Costs	Sample Costs	My Costs
Pre-harvest cost	\$4.03		Pre-harvest cost	\$4.03
Pick and haul	.75		Pick, pack, supervision	1.35
Packinghouse costs	2.20		Boxes, etc.	1.25
			Spread boxes, swamp, haul	.20
<b>TOTAL</b>	<b>\$6.98</b>		<b>TOTAL</b>	<b>\$6.83</b>
NET CREDIT-CULLS \$85/T	.41		NET CREDIT-STRIPPING	-
NET F.O.B. COST*	\$6.57		NET F.O.B. COST*	\$6.83

\*Selling commission, Table Grape Commission assessment, and any inspection charges are not included.

Total F.O.B. Cost Per Lug at Varying Yields

<u>YIELD:</u>				
Packed lugs	300	400	500	600
House Packed	\$9.55	\$7.80	\$6.75	\$6.05
Field Packed	\$9.81	\$8.06	\$7.01	\$6.31

ABOUT THIS SHEET

This sheet is one of a series on sample costs of producing grapes in the San Joaquin Valley. The series includes information on Thompson Seedless for Raisins or Wine, Thompson Seedless for Table Use, Wine Varieties, Cordon Trained Spur-Pruned Table grapes, Emperor, Ribier or Cardinal. The input and cost data are to be used only as guides in determining the production costs for a specific vineyard and to help growers analyze costs and practices that would increase production efficiency. The figures shown are based on what are considered good management practices in many vineyards. They do not represent industry averages.

**YIELD** - Yield is the most important factor affecting costs per ton and profit per acre. The yield per acre used in this sample is average over a period of years for a typical, well-managed vineyard. Although this figure is higher than the industry average, some vineyards do better.

**IRRIGATION** - Sample costs for irrigation labor and water costs are based on a pumping system with pipeline. Labor costs per acre is affected by the number of irrigations, quantity applied, and size of head. Large heads of water may lower the labor costs. When all the water is from an irrigation district, the investment overhead costs of depreciation and interest on irrigation facilities are normally lower.

**PEST AND DISEASE CONTROL** - Dusting and spraying costs may vary considerably from year to year. Control measures required also vary between vineyards. The sample costs shown on this sheet are based on average conditions.

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THOMPSON SEEDLESS FOR TABLE USE - Sample Costs of Establishing a Vineyard  
Cost Analysis Worksheet, 1980

Based on a 120-acre unit, vines spaced at 8' x 12'. Labor at \$4.50 and \$5.50 per hour total tractor per hour cash costs \$3.90, depreciation \$2.10, and interest \$1.20. Wages include Social Security, Workmen's Compensation, insurance, and all other fringe benefits.

	Costs Per Acre		
	1st Year	2nd Year	3rd Year
<b>YIELD: Tons Fresh Fruit Per Acre</b>	-	-	5
<b>Pre-Harvest Cash Costs:</b>			
Fumigate: materials & application	\$ 350.		
Pre-plant weed control: materials & application	19.		
Land preparation: chisel, disc, float, etc.	125.		
Rootings: 450 (20, 2nd yr.) @ 32¢	144.	\$ 7.	
Trim and misc. planting: labor 8 hrs. + 1½ hrs. 2nd yr.	36.	7.	
Planting: 11¢	50.		
Stakes (treated): 450, 7-foot @ 95¢		428.	
End posts (treated): 11, 8-foot @ \$5.		55.	
Stake and set end posts: 17¢ stakes and \$4. end posts		120.	
Wire: #13 high tensile 2nd yr., 82 lbs.; 3rd yr., 246 lbs. @ 40¢/lb.		33.	\$ 98.
String wire and staple: one 2nd yr.; three 3rd yr.		30.	60.
Attach crossarms and braces: 32 hrs. labor			144.
Crossarms: 3 ft. @ 30¢, braces @ 4¢ + staples, nails, tie wire @ 4¢			171.
Train and sucker: 24 hrs. labor, 2nd yr.; 7 hrs. labor, 3rd yr.		108.	32.
Prune and tie: 5 hrs. labor, 2nd yr.; 18 hrs. labor, 3rd yr.		23.	81.
Rabbit control	13.	7.	
Irrigation labor: 5 hrs. @ \$5.50	28.	28.	28.
Water-power and/or district tax	40.	50.	80.
Irrigation preparation and cultivation: 6 hrs. labor + 4 hrs. tractor, 1st yr.; then 8 hrs. labor + 4 hrs. tractor	47.	56.	56.
Fertilizer @ 35¢ applied (25 lbs. N 2nd yr.; 50 lbs. N 3rd yr.)		9.	18.
Mildew control: 2 hrs. labor + 1½ hrs. tractor + materials @ \$7.			26.
Pest management and materials			40.
Herbicide		18.	20.
Misc. labor, materials, tractor	24.	20.	24.
County taxes	45.	45.	65.
Repairs, except tractor	24.	21.	24.
Business and office costs, operating capital, insurance, etc.	76.	85.	77.
<b>TOTAL PRE-HARVEST CASH COSTS</b>	<b>\$1021.</b>	<b>\$1150.</b>	<b>\$1044.</b>
<b>Harvest Costs:</b>			
Contract @ \$30/ton - pick and haul			\$ 150.
<b>TOTAL HARVEST COSTS</b>			<b>\$ 150.</b>
<b>TOTAL CASH COSTS</b>	<b>\$1021.</b>	<b>\$1150.</b>	<b>\$1194.</b>
<b>Depreciation:</b>			
Irrigation system: \$565, 20 yr. life	\$ 28.	\$ 28.	\$ 28.
Bldgs. & equip., except tractor: \$433, 12 yr. life	36.	36.	36.
Tractor: \$2.10/hr.	11.	11.	14.
<b>TOTAL DEPRECIATION</b>	<b>\$ 75.</b>	<b>\$ 75.</b>	<b>\$ 78.</b>

Interest on Investment at 11%:

Irrigation system: 1/2 cost \$283	\$ 31.	\$ 31.	\$ 31.
Buildings and equipment, except tractor: 1/2 cost \$216	24.	24.	24.
Tractor: \$1.20/hr.	6.	6.	8.
Land: \$3500/acre	385.	385.	385.
Interest on accumulated costs		170.	372.
<b>TOTAL INTEREST ON INVESTMENT</b>	<b>\$ 446.</b>	<b>\$ 616.</b>	<b>\$ 820.</b>
<b>TOTAL COST FOR THE YEAR</b>	<b>\$1542.</b>	<b>\$1841.</b>	<b>\$2092.</b>
<b>CREDIT FOR FRUIT @ \$150/TON FOR JUICE</b>			<b>\$ 750.</b>
<b>NET COST FOR THE YEAR</b>	<b>\$1542.</b>	<b>\$1841.</b>	<b>\$1342.</b>
<b>TOTAL ACCUMULATED COST</b>	<b>\$1542.</b>	<b>\$3383.</b>	<b>\$4725.</b>

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**LAND PREPARATION** - The cost of leveling land for irrigation is included in the land value. Additional costs may include chiseling or deep ripping.

**ROOTINGS** - Cost is based on planting rooted cuttings. When cuttings are planted directly in the vineyard, the overall cost of cuttings, planting, and replanting is sometimes less.

**IRRIGATION** - Irrigation labor and water sample costs are based on a pumping system with pipeline. When all the water is from an irrigation district, the investment overhead costs of depreciation and interest on irrigation facilities are normally lower.

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