

CORDON TRAINED, SPUR-PRUNED TABLE GRAPES

Emperor, Flame Seedless, Ruby Seedless, Cardinal, Ribier

Sample Costs to Establish a Vineyard - 1986

COST ANALYSIS WORK SHEET

Costs are based on a 120 acre unit, vines spaced at 8' x 12'. Wages include social security, workman's compensation and insurance. Yield of 300, 23 lb lugs (87/ton), 3.4 tons packed, and 1.6 tons cullled. Tractor and supervisory labor \$5.70 per hour, field labor \$4.85 per hour, and tractor \$6.48 per hour.

Cost / Acre

	1st Year	2nd Year	3rd Year
YIELD: Tons Fruit/Acre	---	---	5
PREHARVEST CASH COSTS			
Fumigate	\$460		
Land preparation: contract	\$150		
4 hrs chisel and labor			
4 hrs disc, float , and labor			
Rootings: 454 @ \$0.37 (+20, 2nd year)	\$168	\$7	
Trim and store @ \$0.06 per rooting	\$27	\$1	
Machine planting: \$0.11/vine (+1.5 hrs labor 2nd year)	\$50	\$7	
Stakes (treated): 454 7-ft @\$1.00 ea		\$454	
End posts (treated): 11 8-ft. @ \$4.50		\$50	
Stake and set end posts: \$0.18 stakes + \$4.50 end posts		\$132	
Wire: #13 high tensile @\$0.34/lb, 182 lbs 2nd yr, 164 lbs 3rd yr		\$28	\$56
String wire and staple		\$25	\$50
Attach crossarms and braces: 32 hrs labor			\$155
Crossarms:3ft@\$0.31,braces@\$0.04, staples-nails-tie-wire@\$0.04			\$177
Training and suckering: 40 hrs labor 2nd yr		\$194	\$49
18hrs labor 3rd yr			
Prune and tie: 5 hrs labor 2nd yr		\$24	\$58
12 hrs 3rd yr			
Rabbit Control	\$15	\$8	
Irrigation: 5 hrs labor @ \$5.70 per hr	\$29	\$29	\$29
Water power and/or district tax: 60 ft pumping	\$33	\$65	\$114
1, 2, 3 1/2 ac ft @ \$32.70.			
Cultivation and irrigation preparation	\$60	\$72	\$72
6 hrs labor + 4 hrs tractor 1st yr			
8 hrs labor + 4 hrs tractor 2nd yr and after			
Fertilizer: \$0.30/lb (30 lbs N 2nd yr		\$14	\$20
50 lbs 3rd yr + \$5/ac. for application)			
Pest Management and disease control, includes mildew	\$17	\$27	\$206
Herbicides: materials and application	\$35	\$32	\$32
Vine hand work: 18 hrs			\$87
Misc. labor, materials, 1hr tractor	\$34	\$29	\$34
TOTAL PREHARVEST CASH COSTS	\$1,078	\$1,198	\$1,139

HARVEST COSTS

PRICE OF THE FRUIT TO GROWER IS NET VALUE AFTER HARVEST

	Costs/Acre		
	1st Year	2nd Year	3rd Year
TOTAL PREHARVEST CASH COSTS	\$1,078	\$1,198	\$1,139
OVERHEAD COSTS			
County taxes	\$39	\$39	\$39
Office and business costs	\$30	\$30	\$30
TOTAL OVERHEAD COSTS	\$69	\$69	\$69
TOTAL CASH COSTS	\$1,147	\$1,267	\$1,208
ACCUMULATED CASH COSTS	\$1,147	\$2,414	\$3,622
DEPRECIATION			
Building, equipment and irrigation	\$65	\$65	\$65
INTEREST ON INVESTMENT @ 12.5%			
Building, equipment and irrigation	\$55	\$55	\$55
Land \$3000	\$375	\$375	\$375
Interest in accumulated cash cost	\$4	\$82	\$53
TOTAL INTEREST ON INVESTMENT	\$434	\$512	\$483
TOTAL COST FOR THE YEAR	\$1,646	\$1,844	\$1,756
CREDIT FOR PRODUCTION*			
at \$125/ton for 5 tons			(\$625)
NET COST FOR THE YEAR	\$1,646	\$1,844	\$1,756
ACCUMULTED NET COST	\$1,646	\$3,490	\$5,246

*Fruit credit will vary widely by variety and year.