

THOMPSON SEEDLESS GRAPES FOR RAISINS OR WINE

Sample Costs for a Mature Vineyard - 1988

GR-SJ-88

Based on 120-acre unit, vines spaced at 7' x 12'. Wages and piece work rates include social security, worker's compensation and insurance. Yield of 2 tons raisins or 9 tons for winery. Tractor and supervisory labor \$6.80/hour, field labor \$5.50/hour. Tractor costs \$6.60/hour. Sales tax is included in per item cost.

OPERATION	Labor Hrs/A	Labor Rate	Labor Cost	Fuel & Repairs	Material and Quantity Per Acre	COST	TOTAL COST
Preharvest Cash Costs							
Pruning -- Contract					\$0.22/vine, 519 vine/acre	\$114	\$114
Brush Disposal -- Contract					Alternate middles	\$6	\$6
Tying Vines -- Contract					\$0.05/vine	\$26	\$26
Fertilizer					50 lbs N @ \$0.30/lb + \$5.00/Ac application	\$15 \$5	\$15 \$5
Growth Regulator, Pest and Disease Control (including powdery mildew)					Giberellin and all other materials	\$71	\$71
Application Costs for Growth Regulator & Pest Control						\$38	\$38
Herbicides					Materials & Application	\$37	\$37
Cultivation & Irrigation Preparation	4	\$6.80	\$27	\$26			\$54
Irrigation	5	\$5.50	\$28				\$28
Water Power and / or District tax @15.00							
3.5 ac ft (1.75 acre ft pumped)							\$26
Misc. (Trellis, pipeline repair, and suckering) 1 hr tractor	4	\$5.50	\$22	\$7	Materials (trellis)	\$30	\$59
Misc. repairs & fuel other than tractor						\$20	\$20
Interest on Operating Capital @11.5%							\$36
Total Preharvest Costs							\$533

Cash Overhead							
Office & Business Costs							\$30
County Taxes							\$39
Total Cash Overhead Costs							\$69
Total Cash Costs							\$602
Total Cash Costs/Ton @ 2 Tons Raisins							\$301
Total Cash Costs/Ton @ 9 Tons Winery							\$67

Investment	Per Acre	Depreciation	Interest @12.5%	TOTAL
Equipment, buildings, irrigation	\$930	\$73	58	\$131
Vines, stakes and trellis	\$5,100	\$253	319	\$572
Land	\$3,000		375	\$375
Total Investment Costs	\$9,030	\$326		\$1,078
Total Costs Per Acre				\$1,680
Total Cash Costs/Ton @ 2 Tons Raisins				\$840
Total Cash Costs/Ton @ 9 Tons Winery				\$187

	Costs / Acre		
	1st Year	2nd Year	3rd Year
Overhead Costs			
County taxes	\$39	\$39	\$39
Office and business costs	\$30	\$30	\$30
Total Overhead Costs	\$69	\$69	\$69
Total Cash Costs	\$1,212	\$1,682	\$805
Accumulated Cash Costs	\$1,212	\$2,894	\$3,698
DEPRECIATION			
Building, equipment and irrigation	\$73	\$73	\$73
INTEREST ON INVESTMENT @ 12.5%			
Building, equipment and irrigation	\$58	\$58	\$58
Land \$3000	\$375	\$375	\$375
Interest on accumulated cash cost	\$152	\$362	\$462
Total Interest On Investment	\$585	\$795	\$895
TOTAL COST FOR THE YEAR	\$1,870	\$2,549	\$1,773
CREDIT FOR PRODUCTION			
@ \$800/ton for RAISINS			(\$1,200)
NET COST FOR THE YEAR	\$1,870	\$2,549	\$573
ACCUMULATED NET COST	\$1,870	\$4,419	\$4,992

COSTS / TON		
HARVESTING COSTS	RAISINS	WINERY
	SAMPLE COSTS	SAMPLE COSTS
Pick and haul for winery - contract		\$40.00
Terracing & pulling back .75 hr labor .75 hr tractor	\$10.05	
Pick for raisins - 450 trays/ton @ \$.20/tray	\$90.00	
Turn and roll - contract \$60/1000 trays	\$27.00	
Box and shake - 4.75 hrs labor + .5 hrs tractor	\$29.43	
Haul to processor (includes picking up bins)	\$12.00	
Paper trays - 460 trays @ \$40/1000	\$18.40	
Forklift cost (rent)	\$10.00	
Raisin rain insurance \$455/ton coverage	\$27.00	
Bin rental (2 bins per ton)	\$15.00	
Misc- Toilets, water	\$2.00	
Total Harvest Cost/Ton	\$240.88	\$40.00
Total Harvest Cost /Acre (2 tons raisins or 9 tons wine)	\$481.75	\$360.00
Total Cost Per Ton @ 2 Tons Raisins or 9 Tons Winery	\$1,321.87	\$546.69
Total Cost Per Acre @ 2 Tons Raisins or 9 Tons Winery	\$2,162.00	\$2,040.25

EQUIPMENT AND BUILDING LIST

ITEM	ORIGINAL COST	ANNUAL USE (ACRES)	COST/ACRE	LIFE (YEARS)	DEPRECIATION	INTEREST @ 12.5%	REPAIR COSTS/HR	FUEL COSTS/HR
TRACTORS								
30 hp Wheel Diesel	\$13,000	120	\$108	10	\$11	\$6.77	\$1.30	\$1.95
60 HP Wheel Diesel	\$31,000	120	\$258	10	\$26	\$16.15	\$2.70	\$3.90
Disk, tandem 8'	\$7,500	120	\$63	15	\$4	\$3.91	\$3.60	
Border disc	\$2,000	120	\$17	15	\$1	\$1.04	\$0.96	
Springtooth 8'	\$1,500	120	\$13	20	\$1	\$0.78	\$0.90	
Flat furrower	\$2,800	120	\$23	20	\$1	\$1.46		
Three-point hitch	\$1,100	120	\$9	10	\$1	\$0.57	\$0.92	
Power Sprayer (100 gals)								
ATV	\$2,200	120	\$18	5	\$4	\$1.15		
Pickup	\$12,000	120	\$100	5	\$20	\$6.25		
Sulfur Duster	\$2,650	120	\$22	10	\$2			
Misc tools	\$5,000	120	\$42	10	\$4	\$2.60		
Raisin dumper & shaker	\$7,600	120	\$63	10	\$6	\$3.96		
2 bin trailers (4 bins ea)	\$1,640	120	\$14	10	\$1	\$0.85		
Terracer	\$953	120	\$8	10	\$1	\$0.50		
Cane cutters	\$2,679	120	\$22	10	\$2	\$1.40		
2 Tool bars	\$800	120	\$7	10	\$1	\$0.42		
Air Compressor	\$600	120	\$5	20	\$0	\$0.31		
Irrigation System	\$81,600	120	\$680	20	\$34	\$42.50		
Buildings	\$12,000	120	\$100	30	\$3	\$6.25		
Total Cost	\$185,972		\$1,550		\$121	\$96.86	\$10.38	\$5.85
60% Of New Costs	\$111,583		\$930		\$73	\$58.12	\$6.23	\$3.51

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