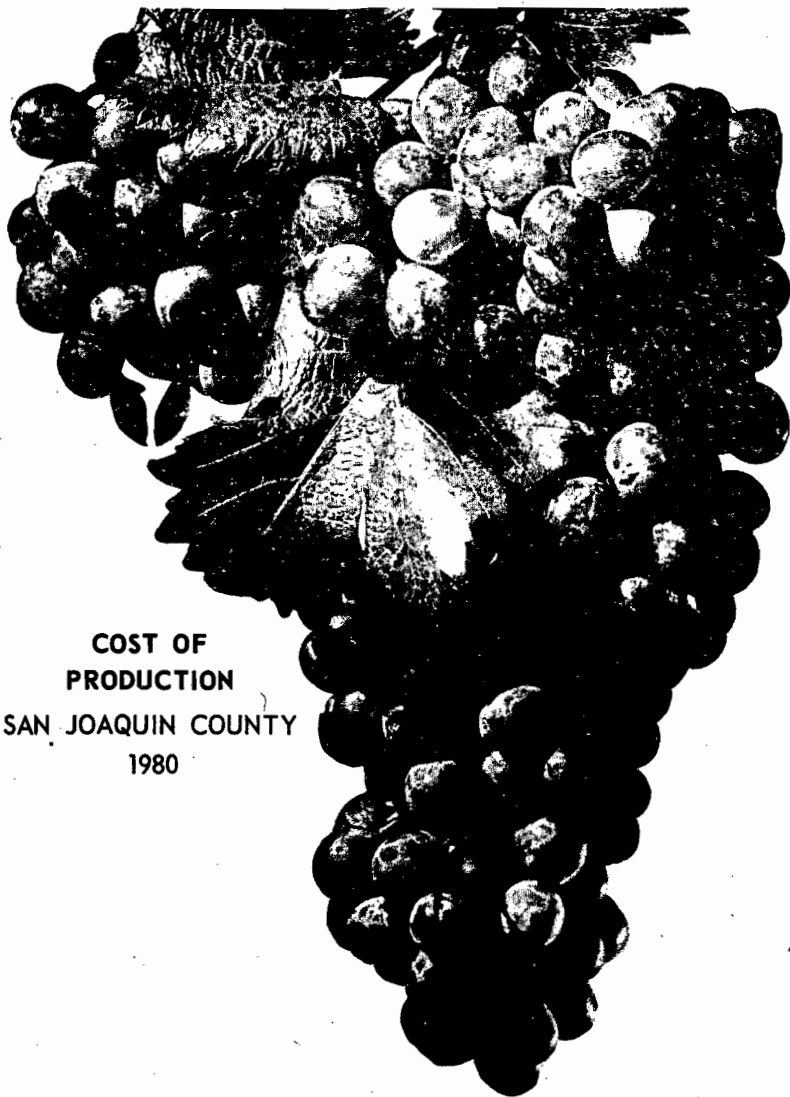


TOKAY GRAPES



**COST OF
PRODUCTION**
SAN JOAQUIN COUNTY
1980

UNIVERSITY OF CALIFORNIA
COOPERATIVE EXTENSION
SAN JOAQUIN COUNTY
UC Cooperative Extension



T O K A Y G R A P E S

COST OF PRODUCTION IN SAN JOAQUIN COUNTY

November 1980

* * * * *

SAMPLE COSTS PRESENTED HERE ARE BASED ON:

I

An 80-acre Tokay table grape vineyard with above-average production and good shipping quality.

Nine tons per acre--5 tons shipped, 4 tons winery fruit. This will vary from year to year depending on weather and market. Yields and percentage of crop shipped are the most important factors affecting costs per ton and profit per acre.

II

Cost based on good management practices; recommended practices.

III

Labor costs based on \$4.20 and \$5.40 per man hour. (Includes Workmen's Compensation, Social Security, Unemployment Insurance and other benefits, based on 20% of cash wage). Medium-wheel tractor at \$4.30 per hour cash costs. Office, car, interest on operating capital, etc., based on 8% of all cash costs.

IV

REMEMBER--These are not average costs but costs based on good cultural practices to produce quality Tokays for shipping. They are not intended to represent industry averages.

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WHAT ARE YOUR YIELDS?

WHAT ARE YOUR COSTS?

MAKE A COMPARISON!

**SAMPLE COSTS TO PRODUCE TOKAY GRAPES
IN SAN JOAQUIN COUNTY**

November 1980

Based on a yield of 9 tons per acre--5 tons (435 lugs) shipped and 4 tons to winery.
Tokays packed in 23-lb. lugs, 87 lugs per ton.

	Cost per Acre	Your Cost
<u>PREHARVEST CASH AND LABOR COSTS</u>		
Pruning--24 hours	\$ 100.80	
Brush disposal--Contract, .4 man(M) and tractor (T) hr.	3.88	
Fertilizer + application--30# N @ 29¢	8.70	
Pest and disease control applied--2.5 M and T hrs.	24.25	
Pest and disease control materials*	43.95	
Tillage and irrigation preparation--3 hrs. M and T	29.10	
Chemical weed control--Labor and materials applied	18.07	
Irrigate--10 M hrs.	42.00	
Water--pumped	39.00	
Thinning--20 M hrs.	84.00	
Leaf removal--10 M hrs.	42.00	
Miscellaneous labor--3 hrs., M & T	29.10	
Miscellaneous materials: stakes, twine, etc.	30.00	
County taxes	30.00	
Office, car, interest on operating capital, etc.	45.00	
Repairs--Irrigation system and equipment except tractor	35.00	
*Additional pest control material may be necessary.		
TOTAL PREHARVEST CASH COSTS	\$ 604.85	
<u>HARVEST COSTS</u>		
Field pack, pick, and haul--\$1.69/box	\$ 735.16	
Box, lid, liner, pad, etc.--\$1.32/box	574.20	
Packing shed costs--load, inspect, precool, etc. \$1.36/box	591.60	
Winery fruit--pick and haul, contract \$35/ton	140.00	
TOTAL HARVEST COSTS	\$2040.96	
TOTAL CASH AND LABOR COSTS	\$2645.81	
<u>DEPRECIATION</u>		
Vines and stakes--Cost \$4900, 30 years	\$ 163.33	
Irrigation system--Cost \$600, 20 years	30.00	
Buildings and equipment--Cost \$600	60.68	
TOTAL DEPRECIATION COSTS	\$ 254.01	
<u>INTEREST ON INVESTMENT @12%</u>		
Vines, stakes--1/2 cost, \$2450	\$ 294.00	
Irrigation system--1/2 cost, \$300	36.00	
Buildings and equipment--1/2 cost, \$300	36.00	
Land @ \$5500/acre	660.00	
TOTAL INTEREST ON INVESTMENT	\$1026.00	

Returns per acre for Tokay table grapes at various tonnages shipped to the winery, based on 1980 prices as reported by Federal-State Market News Service.* Yields are 9 tons per acre.

Shipped	Gross \$ Value	Winery	Gross \$ Value	Preharvest Cash Costs	Harvest Costs		Returns	Depreciation	Interest on Investment	Net Returns
					Shipped	Winery				
2 tons 174 lugs	\$1425	7 tons	\$1225	\$605	\$ 760	\$245	\$1040	\$254	\$1026	-\$240
3 tons 261 lugs	2138	6 tons	1050	605	1141	210	1232	254	1026	-\$ 48
4 tons 348 lugs	2850	5 tons	875	605	1521	175	1425	254	1026	\$145
5 tons 435 lugs	3563	4 tons	700	605	1901	140	1617	254	1026	\$337
6 tons 522 lugs	4275	3 tons	525	605	2281	105	1809	254	1026	\$529
None		9 tons	1575	479**	--	315	781	254	1026	-\$499

* 1980 Preliminary estimated prices: \$8.19 per 23-lb. lug. f.o.b. Lodi, 87 lugs per ton
\$1.75 per ton winery fruit

** Less thinning and leaf removal costs.

REMEMBER--These are only sample costs and returns. What are your costs and returns?

--Depreciation and interest on investment are figured on November 1980 values.
Your depreciation and interest on investment will vary considerably, depending on how long you've owned your land and vineyard.

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James B. Kendrick, Jr., Director, Cooperative Extension, University of California

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