

SAMPLE COSTS TO PRODUCE GRAVENSTEIN APPLES FOR PROCESSING
Sonoma County 1970 Compared to 1973

Based on an 80-acre orchard with a yield of 15 tons per acre. Field labor at \$2.20 and \$2.70 per hour includes Soc. Sec. & Comp. Ins. Cash costs per hr.: 30-40 HP tractors: crawler @ \$1.90; wheel with fork lift @ \$1.40 and \$2; truck @ \$2.50; sprayer @ \$4.50/hr. Labor increased to \$2.50 field and \$3.50 for skilled tractor driver 1973. Processing prices averaged \$70/T for juice and \$95/T for sauce.

	1970 Costs		1973 Costs	
	Per ac.	Per T.	Per ac.	Per T.
PRE HARVEST CASH COSTS:				
Pruning: 60 trees @ \$1.75 (to \$2.25 1973)	\$ 105.00	\$	\$ 187.50	
Brush disposal: 3 man & 1 tractor hours	9.00		11.40	
Fertilize: 0.3 hr. man & tractor	1.38		2.32	
Fertilizer: 120 lbs. N @ .11¢ + zinc in spray	14.35		18.35	
Spray: 6 times - 3 hrs. man, tractor & sprayer	27.30		28.20	
Spray material	54.00		67.00	
Dust for blight: 3 times, 3/4 hr. man & tractor	3.45		4.91	
Dust: 150 lbs. @ .10¢	15.00		15.00	
Cultivate: 3 man, 1 crawler & 2 wheel tractor hrs.	12.80		15.20	
Thin: various methods incl. spray, hand thin & pole	50.00		87.50	
Prop: 6 man & 3 tractor hrs.	18.90		27.00	
Misc. labor incl. gopher cont: 6 man, 2 tract. & 2 trk.	23.00		32.80	
Misc. material, incl. gopher control	8.00		11.00	
County taxes	58.00		67.00	
Office, car, int. on operating capital, etc.	56.30		61.00	
Repairs, except tractors, truck & sprayer	5.00		6.50	
TOTAL PRE-HARVEST CASH AND LABOR COSTS	\$ 461.48	\$30.77	\$ 642.68	\$42.85
HARVESTING COSTS:				
Picking: @ \$10/ton ground; by hour tree picking	195.00	13.00	260.00	
Supervision: 8 man hours	21.60	1.44	31.00	
Move & load bins: 7 hrs., man & fork lift tractor	32.90	2.19	34.30	
Haul: 8 hrs., man & truck	41.60	2.77	48.00	
Bin rental @ .50¢ per ton	7.50	.50	7.50	
TOTAL HARVESTING COSTS	\$ 298.60	\$19.90	\$ 380.80	\$25.39
TOTAL CASH AND LABOR COSTS	\$ 760.08	\$50.67	\$1023.48	\$68.23
DEPRECIATION COSTS: (per acre on 80 acres)				
Trees: cost \$1,800 - 30 yrs. bearing life	60.00		60.00	
Bldgs for equip: \$60, 25 yrs; housing \$125, 30 yrs.	2.40		2.40	
Tractors, fork lift, truck & pickup, \$380 - 12½ yrs.	30.40		30.40	
Sprayer & duster: cost \$116, 10 yrs. life	11.60		11.60	
Props, ladders & pick bags: cost \$100, 10 yrs.	10.00		10.00	
Tillage & other equip: cost \$46, 10 yrs.	4.60		4.60	
TOTAL DEPRECIATION COSTS	\$ 119.00	\$ 7.94	\$ 119.00	\$7.94
TOTAL CASH AND DEPRECIATION COSTS	\$ 879.08	\$58.61	\$1142.48	\$76.17
Interest on investment @ 8% (per acre, 80 acres)				
Trees: on one-half cost (\$900)	72.00		72.00	
Bldgs. for equip & housing: on one-half cost	2.40		2.40	
Tractors, fork lift, truck & pickup: on one-half cost	15.20		15.20	
Sprayer & duster: on one-half cost (\$58) / ((\$190)	4.64		4.64	
Props, ladders & pick bags: on one-half cost (\$50)	4.00		4.00	
Tillage & other equip: on one-half cost (\$23)	1.84		1.84	
Land at \$1500	120.00		120.00	
TOTAL INTEREST ON INVESTMENT	\$220.08	\$14.67	\$220.08	\$14.67
TOTAL COST OF PRODUCTION 1/	\$1,099.16	\$73.28	\$1262.56	\$84.17

1/ Does not include any cost for management. This is sometimes calculated at 5% of gross income.

COSTS PER TON, Various Yields:	10 T/ac.	15 T/ac.	20 T/ac.	30 T/ac..
Total Cash Costs - 1970	\$76.00	\$ 50.67	\$38.00	\$25.34
Total Cash Costs - 1973	\$102.35	68.23	51.17	34.12
Total <u>ALL COSTS</u> - 1970	109.92	73.28	54.96	36.64
Total <u>ALL COSTS</u> - 1973	126.26	84.17	63.13	42.09

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