

ESTIMATED  
COSTS OF GROWING  
TRANSPLANTED  
TOMATOES IN SAN  
JOAQUIN COUNTY



UNIVERSITY OF CALIFORNIA  
AGRICULTURAL EXTENSION SERVICE  
SAN JOAQUIN COUNTY

UC Cooperative Extension

**SAMPLE COSTS OF GROWING TRANSPLANTED TOMATOES IN SAN JOAQUIN COUNTY**

300 Acre Operation with 100 Acres in Tomatoes

Yield - 20 Tons per Acre. Hourly labor rates:

Tractor driver, \$1.60; Irrigators, \$1.35; Common, \$1.25

Tractors: 65 H. P. Crawler (\$2.50 per hour operating cost)

30 H. P. Wheel (\$1.10 per hour operating cost)

January, 1961

Operation	CASH AND LABOR COSTS PER ACRE						
	Hours per Acre	Labor	Eqiupt. Repairs Fuel	Materials, Other Costs	Total	Cost per Ton	My Costs
<b>PREHARVEST</b>							
Disc 2 x	.5	0.80	1.43		2.23		
Subsoil 2 x	1.5	2.40	4.05		6.45		
Plow	.75	1.20	2.14		3.34		
Landplane 2 x	1.0	1.60	3.05		4.65		
Disc	.25	.40	.72		1.12		
Chisel & harrow	.33	.53	.87		1.40		
Transplant (2 men @ \$1.60/hr.; 5 men @ \$1.25/hr.)	7.0	9.45	2.90	5,000 plants - 35.00	47.35		
Cultivate	.75	1.20	1.05		2.25		
Chisel row centers	.5	.80	.90		1.70		
Cultivate	.75	1.20	1.05		2.25		
Hoe	5.0	6.25			6.25		
Furrow & fert. (contract)				Application @ 2.50 † fertilizer @ 20.00	22.50		
Irrigate 2 x	2.5	3.38		Water 2.50	5.88		
Cultivate	.33	.53	.46		.99		
Hoe	4.0	5.00			5.00		
Furrow out	.33	.53	.46		.99		
Spray 3 x (contract by air)				Application 7.50 Insecticide 12.00	19.50		
Irrigate 6 x	6.75	9.11		Water 7.50	16.61		
Open, close ditches(4 x) and prep. field for harvest	.5	.80	1.43		2.23		
Misc. (labor, pick-up, personal prop. tax on equipt., insurance, office 'phone & supplies	3.00	4.10	4.60	Materials 13.40	22.10		
<b>TOTAL PRE-HARVEST COSTS</b>	<b>35.74</b>	<b>49.28</b>	<b>25.11</b>		<b>174.79</b>	<b>8.74</b>	

Operation	Hours per Acre	CASH AND LABOR COSTS PER ACRE				Cost Per Ton	My Costs
		Labor	Equipt. Repairs Fuel	Materials, - Other Costs	Total		
<b>HARVEST</b>							
Box rent 1¢/box				42 boxes/ton x 20	8.40		
Pick 16¢/box. (ave.)				840 boxes x 16¢	134.40		
Load 2¢/box				840 boxes x 2¢	16.80		
Inspect 17¢/ton				20 T x 17¢	3.40		
Dockage 60¢/ton				20 T x 60¢	12.00		
Rejects (from State Study)				1-3/4% of total loads	1.30		
Recruit & transport harvest labor				20 T x 75¢	15.00		
Housing, field transp. & supervision of labor				840 boxes x 4¢ (contract)	33.60		
Tomato Growers' Ass'n dues				2.00 per acre			
Labor Ass'n exp.				1.30 per acre	5.80		
Compensation Ins.				2.50 per acre			
<b>TOTAL HARVEST COSTS</b>					230.70	11.54	
<b>TOTAL PRE-HARVEST AND HARVEST COSTS</b>					405.49	20.27	
<b>CASH OVERHEAD</b>							
Int. on investment (Equipt.) @ 6%					3.53		
Depreciation of equipment, \$117 value per acre					12.11		
<b>TOTAL COSTS BEFORE RENT</b>					421.13	21.05	
				20 T @ 20% x 22.50/T	90.00	4.50	
<b>TOTAL ALL COSTS</b>					511.13	25.56	

The costs of growing transplanted tomatoes that appear in this pamphlet were prepared with the cooperation of a group of San Joaquin County growers and represent their best estimate of average costs throughout the county.

Labor rates shown include cash wages, social security, workmen's compensation (for all except harvest labor) and other non-cash benefits.

The \$1.30 figure per acre for rejects includes return freight and loss of fruit.

The 60¢ per ton figure for dockage was arrived at by assuming dockage conservatively at slightly less than 3 per cent. The state average has been approximately 8 per cent.

Water costs range from \$4.00 to \$22.00 per acre for those growers participating in the study. For the purpose of the study, \$10.00 per acre represents an average for the tomato growing areas of the county.

DEPRECIATION SCHEDULE

Item	Original Cost		Years Life	Annual Use (acres)	Non-Cash Overhead	
	Total	Per Acre			Depreciation	Interest at 6%
Crawler tractor 65 HP -D	16,500	55.00	10	300	5.50	1.65
Wheel tractor 30 HP -G	3,500	11.66	10	300	1.16	.35
Cultivator and tool bar	1,200	6.00	10	200	.60	.18
Landplane (1/3 share)	1,200	5.33	10	225	.53	.16
Transplanter	1,000	10.00	10	100	1.00	.30
Disc 12 Ft.	1,400	6.22	10	225	.62	.19
Chisel	800	4.00	10	200	.40	.12
Subsoiler	1,400	6.22	10	225	.62	.19
Siphons	300	1.50	10	200	.15	.05
Ditcher (1/3 share)	200	1.00	10	200	.10	.03
Plow 4 bottom 16"	900	6.00	10	150	.60	.18
Pickup (1/3 share)	1,250	4.17	5	300	.83	.13
<b>TOTALS</b>	<b>29,650</b>	<b>117.10</b>			<b>12.11</b>	<b>3.53</b>