

Calif. Univ. Agric. Ext. Service
San Joaquin Co.



ESTIMATED
COSTS OF GROWING
DIRECT-SEEDED
TOMATOES IN SAN
JOAQUIN COUNTY

UNIVERSITY OF CALIFORNIA
AGRICULTURAL EXTENSION SERVICE
SAN JOAQUIN COUNTY

FARM ADVISOR
145 S. AMERICAN STREET
STOCKTON - CALIFORNIA

SAMPLE COSTS OF GROWING DIRECT-SEEDED TOMATOES, SAN JOAQUIN COUNTY

300 Acre Operation with 100 Acres in Tomatoes

Yield-20 Tons Per Acre. Hourly cash labor rates:

Tractor driver, \$1.50; Irrigator, \$1.25; Common, \$1.10

Tractors: 60 H.P. Crawler (\$2.75 per hour operating cost)

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

December, 1962

Operation	CASH AND LABOR COSTS PER ACRE						
	Hours per Acre	Labor	Eqiupt. Repairs Fuel	Materials, Other Costs	Total	Cost per Ton	My Costs
<u>PRE-HARVEST</u>							
Disc 2 x	.5	.75	1.53		2.28		
Subsoil 2 x	1.5	2.25	4.36		6.61		
Plow	.75	1.13	2.29		3.42		
Landplane 2 x	1.0	1.50	3.25		4.75		
Disc	.25	.38	.77		1.15		
Chisel & harrow	.33	.50	.99		1.49		
Furrow and Fert. (contract)				Application-\$2.75 + 200 lbs. 8-24-0 = \$8.20	10.95		
Spray & rototill, weed chemical Plant (2 men)	2.0	3.00	3.50	Material cost-3.10/acre	9.60		
	.8	1.04	.96	3/4 lb. seed @\$10.00- 7.50	9.50		
Irrigate 3 x	3.0	3.75	-	Water-1 Ac.Ft. @3.75- 3.75	7.50		
Cultivate	.75	1.13	1.05		2.18		
Chisel row centers	.5	.75	.90		1.65		
Furrow & Fert. (contract)				Application @\$2.50 + fertilizer (80# N) + 8.00	10.50		
Cultivate 3 x	1.00	1.50	1.20		2.70		
Thin and hoe	5.0	5.50	-		5.50		
Spray 3 x (by air)				Application \$7.50 Insecticide 12.00	19.50		
Irrigate 5 x	6.25	7.81		Water-3 Ac.Ft. @\$3.75- \$11.25	19.06		
Open, close ditches (4x) & prep. field for harvest	1.0	1.50	3.05		4.55		
Misc. (labor, pick- up, insurance, office, 'phone & supplies	4.0 @\$1.50 3.0 @\$1.10	9.30	4.95	Materials \$8.11	22.36		
TOTAL PRE-HARVEST COSTS	31.63	41.79	28.80		145.25	7.26	

Operation	CASH AND LABOR COSTS PER ACRE			
	Materials, Other Costs	Total	Cost per ton	My Costs
HARVEST				
Box rent 1¢/box	42 boxes/ton x 20	8.40		
Pick 17¢/box	840 boxes x 17¢	142.80	x	
Load 2¢/box	840 boxes x 2¢	16.80	x	
Inspect 17½¢/ton	20T x 17½¢	3.50		
Dockage (see note 4 below)	20T @3% x 27.50 less \$1.00/ton	15.90		
Rejects (see note 3 below)	1-3/4% x 20T	5.86		
Recruit & Trans. harvest labor	\$40 x 33 men ÷ 100	13.20		
Housing, field trans. & supervision of harvest labor	840 boxes x 4¢ + 25¢/ man/day (33m x 30d. x 25¢ ÷ 100)	36.08		
Tomato Growers' Association Labor Association expenses	20T x 10¢ \$25 membership + 20¢/ man/day (33m x 30d. x 20¢ ÷ 100)	2.00 2.23		
Compensation Insurance	\$1.95/\$100 earned	2.78		
TOTAL HARVEST COSTS		249.55	12.48	
TOTAL PRE-HARVEST AND HARVEST COSTS		394.80	19.74	
Int. on investment (equip.) @ 6%		3.70		
Depreciation of Equip.-\$122.10 value per acre		11.19		
TOTAL COST BEFORE RENT		409.69	20.49	
Rent	20T @20% x \$27.50	110.00	5.50	
TOTAL ALL COSTS		519.69	25.98	

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

2. Labor rates shown include cash wages, Social Security, Compensation Insurance (non-harvest labor) and other non-cash benefits.

3. The \$5.86 for rejects includes a minimum \$2.00/ton return freight, 50% loss of rejected loads and \$1.00/ton for re-sorting. (17.5 tons x \$27.50 + \$70.00 return freight + \$35.00 re-sorting = \$568.75 for 100 acres).

4. The dockage cost was arrived at by assuming dockage at 3%. The state average has been approximately 8% and cannery contracts allow 5%. \$1.00/ton is allowed for over-tolerance fruit.

5. Other operations which affect certain growers and add to their costs are soil fumigation, early insecticide applications for flea beetles, etc., replanting and bird protection.

DEPRECIATION SCHEDULE

Item	Original Cost		Years Life	Annual Use (acres)	Non-Cash Overhead	
	Total	Per Acre			Depreciation	Interest at 6%
Crawler tractor 60 H.P. -D	18,000	60.00	12	300	5.00	1.80
Wheel tractor 30 H.P. -G	3,500	11.66	10	300	1.16	0.35
Cultivator and tool bar	1,200	6.00	12	200	0.50	0.18
Landplane (1/3 share)	1,200	5.33	12	225	0.44	0.16
Rotary tiller & sprayer	1,000	10.00	12	100	0.83	0.30
Disc-12 Feet	1,400	6.22	10	225	0.62	0.19
Chisel	800	4.00	10	200	0.40	0.12
Harrow	150	0.50	12	225	0.04	0.02
Subsoiler	1,400	6.22	12	225	0.52	0.19
Siphons	300	1.50	10	200	0.15	0.05
Ditcher (1/3 share)	200	1.00	10	200	0.10	0.03
Plow-4 bottom 16 inch	900	6.00	10	150	0.60	0.18
Pickup (1/3 share)	1,250	4.17	5	300	0.83	0.13
	31,300	122.60			11.19	3.70

GROWER RETURN UNDER VARIOUS YIELDS AND PRICES
FOR DIRECT-SEEDED TOMATOES

Yield Tons/Acre		Contract Price Per Ton			
		22.50	25.00	27.50	30.00
16	GROSS RETURN	360.00	400.00	440.00	480.00
	Cost	451.00	451.00	451.00	451.00
	Profit	-91.00	-51.00	-11.00	29.00
20	GROSS RETURN	450.00	500.00	550.00	600.00
	Cost	520.00	520.00	520.00	520.00
	Profit	-70.00	-20.00	30.00	80.00
24	GROSS RETURN	540.00	600.00	660.00	720.00
	Cost	588.00	588.00	588.00	588.00
	Profit	-48.00	-12.00	72.00	132.00
28	GROSS RETURN	630.00	700.00	770.00	840.00
	Cost	656.00	656.00	656.00	656.00
	Profit	-26.00	44.00	114.00	184.00
32	GROSS RETURN	720.00	800.00	880.00	960.00
	Cost	725.00	725.00	725.00	725.00
	Profit	-5.00	75.00	155.00	235.00

CC: 500
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