

ESTIMATED
COSTS
OF

GROWING
CUCUMBERS

IN
SAN JOAQUIN COUNTY

UNIVERSITY OF CALIFORNIA
AGRICULTURAL EXTENSION SERVICE
SAN JOAQUIN COUNTY

NOTES:

1. The costs of growing cucumbers that appear in this pamphlet were prepared in cooperation with a group of San Joaquin County growers and represent an estimate of good cultural practices.
2. Labor rates shown include cash wages, employer Social Security contributions, compensation insurance (non-harvest labor) and other non-cash benefits. Labor rates are: tractor driver - \$1.95, irrigator - \$1.80, and seasonal - \$1.65.
3. Other costs which are sometimes incurred are for loading charges, soil fumigation, replanting, and strike insurance.
4. Miscellaneous includes such items as insurance, property tax on equipment, use of pickup truck, interest on operating capital, office expenses, replacement of small tools, closing and opening ditches for cultivation and irrigation, field sanitary facilities, etc.

SAMPLE COSTS OF GROWING PICKLING CUCUMBERS, SAN JOAQUIN COUNTY
600-Acre Operation with 50 Acres in Cucumbers
 Yield--14 tons per acre (at \$60/ton grade). Hourly labor rates:
 Tractor Driver - \$1.95, Irrigator - \$1.80, Seasonal - \$1.65
 Tractors: 75 H.P. Crawler (\$2.05 per hour operating cost)
 40 H.P. Wheel (\$1.20 per hour operating cost)
 (55-day harvest season)

April 1967

Production Data:

	Hours per Acre	Cash and Labor Cost per Acre				Total
		Labor	Fuel & Repairs	Kind and Quantity	Cost	
CULTURAL COSTS:						
Subsoil 2 X (or plow	1.5	2.93	5.18			8.11
Disc 2 X	.5	.98	1.90			2.88
Plane 2 X	.5	.98	2.18			3.16
Disc 2 X	.5	.98	1.90			2.88
Furrow and ferti- lize (Contract)	-	-	-	300# 16-20-0 + \$3.00 application	15.00	15.00
Plant	.5	.98	1.03	4# s	7.50	9.51
Irrigate 2 X	2.0	3.60		1 ac.ft. @ \$3.75	3.75	7.35
Cultivate	1.0	1.95	1.55			3.50
Thin & hoe	9.0	14.85	-			14.85
Cultivate 3 X	1.5	2.93	2.32			5.25
Furrow & fertilize	.75	1.45	2.25	60# N. @ 10¢	6.00	9.71
Irrigate 10 X (+NH ₃ water run)	10.0	18.00	-	4 ac.ft. @ \$3.75 + N (60#) @ 10¢	21.00	39.00
Weed and hoe	5.0	8.25	-			8.25
Insect control 3 X	-	-	-	Contract by air appli- cation \$7.50, insecti- cide \$10	17.50	17.50
TOTAL CULTURAL COSTS		57.88	18.31		70.75	146.95

<u>HARVEST COSTS:</u> Average Grade Sufficient to Return \$60 per Ton			<u>TOTAL</u>	<u>MY COSTS</u>
Pick - 35¢ per bucket	933 buckets @ 35¢	326.55	326.55	
Haul	5.5 hrs. @ \$3.75 + truck operating cost	20.63	20.63	
Labor transportation and supervision	7¢ bucket + foreman @ \$25/day + 2 checkers @ \$22/day each	148.11	148.11	
Labor association	1/2 membership fee (1/2 of \$100) (\$50)	1.00	1.00	
Comp. Ins. (harvest labor)	\$3.20/\$100 paid to employee	13.09	13.09	
Soc. Sec. (harvest labor)	\$4.40/\$100 paid to employee	18.00	18.00	
TOTAL HARVEST COSTS			527.38	
h Overhead: Miscellaneous Rent	Approx. 5% of cash costs Cash		26.37 75.00	
TOTAL CASH OVERHEAD			101.37	
TOTAL CASH COSTS			775.70	
MANAGEMENT			42.00	
		<u>Annual Cost</u>		
Investment Per Acre	Equipment 150.24	Depreciation 13.98	Interest 4.51	18.49
TOTAL COST PER ACRE			836.19	
Cost per Ton @ 14 Tons/Acre			59.73	

EQUIPMENT LIST

Item	Original Cost		Years Life	Annual Use (Acres)	Non-Cash Overhead	
	Total	Per Acre			Depreciation	Interest at 6%
1 Crawler tractor 75 H.P. - D	22,000	36.67	15	600	2.44	1.10
1 Wheel tractor 65 H.P. - D	9,000	15.00	15	600	1.00	.45
2 Wheel tractors 40 H.P. - D	12,700	21.16	15	600	1.41	.63
2 Cultivators + tool bars 12'	5,600	11.20	10	500	1.12	.34
2 Planter-culti vator sleds & 10 seeders	7,500	15.00	10	500	1.50	.45
1 Landplane	3,600	7.20	10	500	.72	.22
2 Discs - 1-12' + 1-18'	4,450	8.90	10	500	.89	.27
1 Chisel 10'	800	1.60	10	500	.16	.05
2 Harrows 1 spring-tooth-20' 1 like-tooth-24'	1,650	2.75	10	600	.28	.08
1 Subsoiler - 8'	2,000	5.00	10	400	.50	.15
Siphons	600	1.00	10	600	.10	.03
1 Flatbed trailer	2,000	3.33	10	600	.33	.09
1 Ditcher	400	.67	10	600	.07	.02
1 Tool carrier	1,500	2.50	10	600	.25	.08
1 Plow - 2 way 5 bottom - 16'	1,200	3.00	10	400	.30	.09
1 Sprayer (ground- rig)	800	1.60	10	500	.16	.05
1 Truck - 1½ Ton	4,500	7.50	6	600	1.25	.23
1 Pickup	2,500	4.16	5	600	.83	.12
1 Pickup	1,200	2.00	3	600	.67	.06
TOTAL	84,000	150.24			13.98	4.51

Prepared By

Ray C. King
Farm Advisor

145 South American Street
Stockton, California 95202

Philip S. Parsons
Extension Economist
University of California,
Davis, California

W. W. Mitchell
Farm Advisor
145 South American Street
Stockton, California 95202

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