



*Cost Analysis
Work Sheet*

**Chili
Peppers -
Direct
Seeded**

Southern San Joaquin Valley
1975

**Division of Agricultural Sciences
UNIVERSITY OF CALIFORNIA**

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COST ANALYSIS WORK SHEET - CHILI PEPPERS-DIRECT SEEDED
SOUTHERN SAN JOAQUIN VALLEY - 1975

Based on a yield of 3000 lbs. per acre. Man labor @ \$2.80 per hour total, irrigator \$3.20, equipment operator \$3.60 including Social Security and Workman's Compensation Insurance. 90 h.p. crawler per hour cash cost \$7.00, depreciation \$5.00, interest \$2.50. 120 h.p. 4-wheel drive diesel @ \$4.80, \$2.00 and \$1.00. 70 h.p. wheel diesel @ \$2.95, \$1.04 and 52¢. 50 h.p. wheel diesel \$2.10, \$1.24 and 62¢.

	Sample Costs		My Costs	
	Per Acre	Per lb.	Per Acre	Per lb.
Pre-Harvest Cash Costs:				
Disc 2X: 1 hr. man and tracklayer	\$ 10.60			
Landplane 2X: 1/2 hr. man and tracklayer	5.30			
Chisel 2X: 1 hr. man and tracklayer	10.60			
Disc 1X: 1/2 hr. man and tracklayer	5.30			
Bed and apply fertilizer: 1/2 hr.				
120 h.p. wheel tractor	4.20			
300 lbs. material @ \$210/ton	31.50			
Incorporate herbicide and shape beds materials and application	22.10			
Plant - seed	5.50			
1/2 hr. man & 50 h.p. WD tractor	2.85			
Cultivate 3X: and fertilize 1X:				
1 1/2 hrs. 70 h.p. wheel tractor	9.83			
60 lbs. N @ 20¢	12.00			
Irrigate 9X: water 3 ac. ft. @ \$15	45.00			
9 hrs. labor	28.80			
Thin and weed 2X: 21 hr. man labor	58.80			
Pest control: materials	24.00			
applications	6.50			
Rent: (12 months)	100.00			
Repairs: except tractors and truck	12.00			
Misc. labor and materials, incl. 1 hr.				
50 h.p. wheel tractor and curly top assessment	13.25			
Office, car, business costs	25.21			
Supervision	12.00			
TOTAL PRE-HARVEST CASH COSTS	\$445.34	\$.15		
Harvesting costs - paid by processor				
TOTAL CASH COSTS	\$445.34	\$.15		
Depreciation:				
Building and equipment except truck & tractors:				
\$75 cost, 10 yrs. life	\$ 7.50			
90 h.p. crawler: 3 hrs. @ \$5	15.00			
120 h.p. 4-WD: 1/2 hrs. @ \$2	1.00			
70 h.p. wheel tractor: 1 1/2 hrs. @ \$1.04	1.56			
50 h.p. wheel tractor: 1 1/2 hrs. @ \$1.24	1.86			
TOTAL DEPRECIATION (tenant)	\$ 26.92	\$.01		
Interest on Investment @ 8%:				
Buildings and equipment except tractors and truck:				
1/2 cost \$37.50	\$ 3.00			
90 h.p. crawler: 3 hrs. @ \$2.50	7.50			
120 h.p. 4-WD: 1/2 hr. @ \$1	.50			
70 h.p. wheel tractor: 1 1/2 hrs. @ 52¢	.78			
50 h.p. wheel tractor: 1 1/2 hrs. @ 62¢	.93			
TOTAL INTEREST ON INVESTMENT (tenant)	\$ 12.71	\$.004		
TOTAL COST OF PRODUCTION (tenant)	\$484.97	\$.16		

SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS

Yield: lbs./acre	2000	2500	3000	3500	4000
Cash costs only per lb.	.22	.18	.15	.13	.11
Total cost per lb.	.24	.19	.16	.14	.12

SAMPLE COSTS PER POUND AT THE INDICATED YIELDS
WITH VARYING WATER COSTS

YIELD: lbs./acre	Total cost per lb. of chili peppers at the indicated water costs per acre				
	\$5	\$10	\$15	\$20	\$25
2000	.23	.24	.24	.25	.26
2500	.18	.19	.19	.20	.21
3000	.15	.16	.16	.17	.17
3500	.13	.13	.14	.14	.15
4000	.11	.12	.12	.13	.13

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