

David N. Wright
Farm Advisor, Kern County

1970

UC Cooperative Extension
Edward A. Yeary
Farm Advisor, State-wide.

Based on a yield of 6 tons per acre field run. Man labor at \$1.90 per hour total and equipment operator \$2.10 including Social Security and Workman's Compensation Insurance. 80 h.p. crawler tractor per hour cash costs \$3.20, depreciation \$1.80 and interest 72¢. 50 h.p. wheel tractor \$1.40, 74¢ and 30¢. Costs are figured on a 12 months basis, although garlic may only occupy the land for up to 75% of the year.

	Sample Costs		My Costs	
	Per Acre	Per Ton	Per Acre	Per Ton
PRE-HARVEST CASH COSTS				
Disc 2X: 1 hr. crawler, tractor	5.30			
Chisel 2X: 1 hr. crawler tractor	5.30			
Landplane 2X: 1 hr. crawler tractor	5.30			
List and fertilize:				
1 hr. wheel tractor	3.50			
80 lbs. N at 8¢	6.40			
Pre-irrigate: 10" water at \$14.00 acre foot including booster pump	11.67			
Labor	2.50			
Shape beds and Plant:				
1/3 hr. per acre, 3 men and wheel tractor	2.44			
Machine hire	3.15			
* Seed (all furnished by grower)				
1500 lbs. at 22¢	330.00			
Fertilizer: material	15.00			
1/2 hr. wheel tractor	1.75			
Irrigate 10X: 2 1/2 ft. water at \$14.00 including booster pump	35.00			
labor: \$1.75 per time	17.50			
fertilizer: 150 lbs. N at 8¢	12.00			
Insect Control: material and application	6.30			
Cultivate 2X: 1 hr. wheel tractor	3.50			
Hand weeding: 10 hrs. total	19.00			
Rent (12 months basis)	60.00			
Supervision	10.00			
Misc. labor, materials, incl. 1 hr. wheel tractor	6.00			
Repairs to equipment except tractors	10.00			
Office, car, operation capital, business costs	26.50			
TOTAL PRE-HARVEST CASH COSTS	598.11	99.68		
HARVESTING COSTS				
Lift 1 hr. man and wheel tractor	3.50			
Machine rent	50.00			
Contract labor	135.00			
Bags, sack, and haul, incl. 1 hr. man and wheel tractor	30.00			
TOTAL HARVESTING COSTS	218.50	36.42		
TOTAL CASH COSTS	\$16.61	136.10		
DEPRECIATION				
80 h.p. crawler tractor, 3 hrs. at \$1.80	5.40			
50 h.p. wheel tractor 4-5/6 hrs. at 74¢	3.58			
Other equipment: \$90.00 for 10 years	9.00			
TOTAL DEPRECIATION (tenant)	17.98	3.00		

*If the processor furnishes all or part of the seed cost, this item will be reduced and grower will receive a lower contract price.

GARLIC (con't.)

<u>INTEREST ON INVESTMENT AT 7%</u>			
80 h.p. crawler, tractor, 3 hrs. at 72¢	2.16		
50 h.p. wheel tractor 4-5/6 hrs. at 30¢	1.45		
Other equipment ½ cost \$45.00	3.15		
TOTAL INTEREST ON INVESTMENT (tenant)	6.76	1.13	
TOTAL COST OF PRODUCTION (tenant)	841.35	140.23	

SAMPLE COST OF PRODUCTION PER TON AT VARYING YIELDS

Yield: Tons Per Acre	5	6	7	8	9	10	
Cash costs of production	159.32	136.10	120.94	109.58	100.73	93.66	
Total (tenant) cost of production	164.27	140.23	124.48	112.67	103.48	96.14	

SAMPLE TENANTS COSTS PER TON AT THE INDICATED YIELDS
WITH VARYING WATER COSTS

Yield: tons per acre	Tenant's Costs per ton for garlic at the indicated water cost per acre foot					
	\$1.00	\$3.00	\$6.00	\$12.00	\$15.00	\$18.00
5	155.34	157.68	158.68	162.68	164.68	166.68
6	134.04	135.15	136.81	140.15	141.81	143.48
7	118.82	119.77	121.20	124.05	125.48	126.91
8	107.40	108.24	109.48	111.98	113.24	114.48
9	98.52	99.26	100.38	102.60	103.71	104.82
10	91.42	92.09	93.09	95.09	96.09	97.09

University of California
Farm & Home Advisors Office
2610 'M' Street
Bakersfield, California
June 1970