

SAMPLE COSTS TO PRODUCE GARLIC IN MONTEREY COUNTY - 1977

By J.W. Huffman and E.A. Yeary

YIELD: 8 tons per acre

TOTAL LABOR COSTS/HOUR*

HOURLY TRACTOR COSTS

| | | | <u>Cash Costs</u> | <u>Depreciation</u> | <u>Interest</u> |
|------------------------|------|------------------------|-------------------|---------------------|-----------------|
| Equip. Operator | 5.53 | | | | |
| Cl. II Equip. Operator | 5.41 | 80 H.P. Crawler Diesel | 7.71 | 3.81 | 2.29 |
| Other Labor | 4.55 | 50 H.P. Wheel Diesel | 2.82 | 1.80 | .90 |

| <u>Operation</u> | <u>Tractor Used</u> | <u>Hours/Acre</u> | <u>Labor</u> | <u>Fuel & Repairs</u> | <u>Contract and Materials</u> | <u>Total/Acre</u> |
|---|------------------------|-------------------|-----------------|---------------------------|---|-------------------|
| <u>Cultural</u> | | | | | | |
| Cover crop & manure | | | | | | 25.00 |
| Disc & roll 3x | C-80 | 0.69 | 3.82 | 5.32 | | 9.14 |
| Chisel 2x | C-80 | 1.0 | 5.53 | 7.71 | | 13.24 |
| Land plane 2x | C-80 | 0.52 | 2.88 | 4.01 | | 6.89 |
| List & preplant fertilizer | | | | | Contract @ 4.50/Ac 500 lbs 12-12-12 @ \$45.00 | 49.50 |
| Shape beds | WD-50 | 0.25 | 1.35 | 0.71 | | 2.06 |
| Plant | | | | | Seed and planting provided by the processor | 126.00 |
| Irrigations 16x | | 27.0 | 122.85 | | 3.0 Ac Ft @ \$7.50/Ac Ft & \$2.00 Booster Pump | 147.35 |
| Side dress fertilizer 4x | | | | | Contract @ \$3.75/Ac | |
| | | | | | 200 lbs N @ 0.26/lb | 67.00 |
| Herbicide | | | | | Contract 1/2 - 2 applications \$11.90, \$41.00 for dacthal® and oil and \$18.75 for application and dinitro selective | 71.65 |
| Insecticides 1x | | | | | Contract @ \$4.55/Ac | |
| | | | | | Materials @ \$8.00/Ac | 12.55 |
| Cultivations 3x | WD-50 | 1.50 | 8.12 | 4.23 | | 12.35 |
| Weeding | | 15.0 | 68.25 | | | 68.25 |
| Misc. (incl. set up-moving) | | 4.0 | 19.06 | 5.70 | | 24.76 |
| <u>TOTAL CULTURAL COSTS</u> | | | | | | <u>635.74</u> |
| <u>Overhead</u> | | | | | | |
| Business costs, office & business expenses, etc. @ 8% of cultural costs | | | | | | 50.86 |
| Taxes, equipment - except tractors | | | | | | 9.50 |
| Rent: \$250.00 per acre | | | | | | 250.00 |
| <u>TOTAL OVERHEAD COSTS</u> | | | | | | <u>310.36</u> |
| <u>HARVEST BY PROCESSOR</u> | | | | | | |
| <u>TOTAL CULTURAL AND OVERHEAD COSTS</u> | | | | | | <u>946.10</u> |
| <u>ANNUAL COSTS</u> | | | | | | |
| | <u>Investment</u> | | <u>Per Acre</u> | <u>Depreciation</u> | <u>Interest-8%</u> | |
| | Buildings | | 50.00 | 2.50 | 2.00 | |
| | Irrigation system | | 90.00 | 9.00 | 3.60 | |
| | Tractors | | 150.00 | 13.37 | 7.55 | |
| | Equipment | | 100.00 | 10.00 | 4.00 | |
| | Portable irrig. system | | 25.00 | 2.50 | 1.00 | |
| | TOTAL: | | 415.00 | 37.35 | 18.15 | 55.50 |
| <u>TOTAL COST PER ACRE</u> | | | | | | <u>1001.60</u> |
| <u>COST PER TON @ 8 TONS PER ACRE YIELD</u> | | | | | | <u>125.20</u> |

* Labor costs per hour include fringe benefits paid by the farmer. Social security, workmen's compensation, unemployment, health plan, vacation, pension plan and holidays.

Application rate of 12.50 pounds per acre of dacthal®, 40 gals of oil, and 1½# of dinitro selective.