

WESTERN LASSEN COUNTY GARLIC PRODUCTION COSTS 1982

Cultural Costs

8,000 lb/ac yield, grower provides seed, High cost 15ac, low cost 40ac
 60hp tractor + operator and Fork lift + operator = 10.00/hr operating cost
 150hp tractor + operator = 15.00/hr operating cost

| <u>Machinery</u> | <u>Time</u> | <u>Cultural Activity</u> | <u>High</u> | <u>Low</u> | <u>Materials</u> | <u>Cost</u> | <u>High</u> | <u>Low</u> |
|------------------|-------------|--------------------------|-------------|------------|--|-------------|-------------|------------|
| Custom | 1hr/ac | Rip 1X | 200.00 | 100.00 | | | 200.00 | 100.00 |
| 150hp | .33hr/ac | Disc 3X | 67.50 | 45.00 | | | 67.50 | 45.00 |
| 60hp | .33hr/ac | Harrow 2X | 10.00 | 6.60 | | | 10.00 | 6.60 |
| 150hp | .33hr/ac | Fertilize | 5.00 | 3.30 | 500lb/ac 16-20-0 @ 208/ton | 52.00 | 57.00 | 55.30 |
| 150hp | 2hr/ac | Set Beds | 45.00 | 30.00 | | | 45.00 | 30.00 |
| 60hp | 1hr/ac | Plant | 15.00 | 10.00 | 1500lb/ac cracked seed @ .75/lb | 1125.00 | 1140.00 | 1135.00 |
| 150hp | 1hr/ac | Cover Seed | 22.50 | 15.00 | | | 22.50 | 15.00 |
| 60hp | .5hr/ac | Zinc | 7.50 | 5.00 | 25lb/ac ZnSO4 @ 16.00 CNT | 4.00 | 11.50 | 9.00 |
| 60hp | .5hr/ac | Post Herbicide | 7.50 | 5.00 | 12lb/ac Dacthal @ 4.50/lb + 1qt CIPC @ 22.00/gal | 59.50 | 67.00 | 64.50 |
| 60hp | 1hr/ac | Cultivate | 15.00 | 10.00 | | | 15.00 | 10.00 |
| 60hp | 1.5hr/ac | Herbicide 3X | 22.50 | 15.00 | 3X1qt/ac bromoxynil @ 46.00/gal | 34.50 | 57.00 | 49.50 |
| 60hp | .33hr/ac | Topdress | 5.00 | 3.30 | 500lb/ac 21-0-0 @ 140.00/ton | 35.00 | 40.00 | 38.30 |
| 60hp | 2hr/ac | Top 2X | 30.00 | 20.00 | | | 30.00 | 20.00 |
| 60hp | 1hr/ac | Rebed | 15.00 | 10.00 | | | 15.00 | 10.00 |
| 150hp | 4hr/ac | Dig | 90.00 | 60.00 | | | 90.00 | 60.00 |
| 150hp | 4hr/ac | Bulk | 90.00 | 60.00 | | | 90.00 | 60.00 |
| | 6hr/ac | Hand Windrow | 45.00 | 30.00 | | | 45.00 | 30.00 |
| | 28hr/ac | Bulk Labor | 210.00 | 140.00 | | | 210.00 | 140.00 |
| Forklift | 1hr/ac | Load out | 15.00 | 10.00 | | | 15.00 | 10.00 |
| | .33hr/ac | Irrigate 30X | 74.25 | 49.50 | 4acre ft. @ 15.00/ft. | 60.00 | 134.25 | 109.50 |

Total Cultural Costs 991.75 627.70 1370.00 2361.75 1997.70

Investment Costs

| | <u>High</u> | <u>Low</u> | | <u>High</u> | <u>Low</u> |
|---------------------------------------|-------------|------------|----------------------|-------------|------------|
| Land | 1800 | 1300 | 40 years @ 13% | 235.44 | 170.04 |
| Well | 200 | 200 | 20 years @ 13% | 28.20 | 28.20 |
| Irrigation System | 500 | 500 | 10 years @ 13% | 89.64 | 89.64 |
| | 2500 | 2000 | | | |
| Equipment (Total of 45,000) (15ac) | 3000 | 1125 | (40ac) 5 years @ 19% | 933.96 | 326.40 |

Total Investment Costs 5500 3125 1287.24 614.28

Total Cultural and Investment Costs 3648.99 2611.98
 Production cost per pound at 8000 lb/ac yield .456 .326

| Machine | Value | % To Garlic | Value to Garlic |
|----------------------|--------|-------------|-----------------|
| 150hp Tractor | 40,000 | 10 | 4,000 |
| 60hp Tractor | 20,000 | 20 | 4,000 |
| Slad + O, ½; e, emts | 3,000 | 100 | 3,000 |
| Sprayer | 1,500 | 20 | 300 |
| Beater | 500 | 100 | 500 |
| Planter | 5,000 | 100 | 5,000 |
| Digger | 5,000 | 100 | 5,000 |
| Bulker | 20,000 | 100 | 20,000 |
| Fork Lift | 7,500 | 20 | 1,500 |
| Fertilizer Spreader | 1,000 | 10 | 100 |
| Disc | 4,000 | 20 | 800 |
| Roller Harrow | 4,000 | 20 | 800 |
| Total | | | 45,000 |

Analysis of Production Costs by Cents/lb and % Input

Cents/lb

| | Cultural Costs | Materials | Seed | land, W | 11, Irrigation | Equipment | Total |
|------------|----------------|-----------|------|---------|----------------|-----------|-------|
| High Costs | 12.4 | 3.1 | 14.1 | | 4.4 | 11.6 | 45.6 |
| Low Costs | 7.8 | 3.1 | 14.1 | | 3.6 | 4.1 | 32.6 |

% Input

| | | | | | | | |
|------------|------|-----|------|--|------|------|-------|
| High Costs | 27.1 | 6.7 | 30.8 | | 9.7 | 25.6 | 100.0 |
| Low Costs | 24.0 | 9.4 | 43.1 | | 11.0 | 12.5 | 100.0 |

California Vegetable Crops Summary

| Year | Harvested Acreage | Average Yield | 1,000 CWT | Production Price Per CWT | Total Value |
|------|-------------------|---------------|-----------|--------------------------|-------------|
| 1979 | 14,200 | 13,000 | 1,846 | 15.20 | 27,974,000 |
| 1980 | 15,200 | 13,000 | 1,976 | 17.10 | 33,816,000 |
| 1981 | 13,200 | 12,500 | 1,650 | 21.80 | 35,947,000 |