

IRRIGATED BARLEY - SINGLE-CROPPED

Cost Analysis Work Sheet - 1985

Sample costs to produce irrigated barley in Fresno County's west side for feed grain use. Costs are based on an average yield of 5000 lbs/acre. Field labor at \$6.00 per hour and equipment operator \$7.00 per hour, including Social Security and Workmen's Compensation Insurance. Per hour cash costs: heavy crawler tractor \$25.00, medium wheel tractor \$12.40. Depreciation and interest: heavy crawler tractor \$6.40 and \$5.82, medium wheel tractor \$2.80 and \$2.10. Surface irrigation water \$25.00 per acre ft.

| | Sample Costs | | My Costs | |
|--|------------------|----------------|----------|---------|
| | Per Acre | Per CWT | Per Acre | Per CWT |
| PRE-HARVEST CASH COSTS: | | | | |
| Land Preparation: 1.5 hrs crawler | \$ 48.00 | | | |
| Disc & Harrow: 0.25 hrs crawler | 8.00 | | | |
| Planting: Seed 100 lbs at 15¢/lb | 15.00 | | | |
| Wheel Tractor: 0.25 hrs | 4.85 | | | |
| Fertilizer: 100 lbs N @ 14¢ | 14.00 | | | |
| Broadleaf Weed Control: custom - \$6.20 per acre @ 50% acreage | 3.10 | | | |
| Wild Oat Control: custom - \$12.00 per acre @ 30% acreage | 3.60 | | | |
| 2 Irrigations: 1.5 acre ft. water + 0.67 hr labor | 41.52 | | | |
| Misc. labor Incl. 1/6 Hrs Crawler Tractor | 5.44 | | | |
| Rent: \$150.00 8 mos. to barley | 100.00 | | | |
| Repairs to Equipment Except Tractor: | 14.00 | | | |
| Interest On Operating Capital @ 13%: | 16.41 | | | |
| Office, Car, etc. | 11.03 | | | |
| TOTAL PRE-HARVEST CASH COSTS: | \$ 284.95 | \$ 5.70 | | |
| HARVESTING COSTS: | | | | |
| \$15.00 per acre + \$4.00 per ton + \$10.50 per ton to haul | 51.25 | 1.03 | | |
| TOTAL CASH COSTS: | \$ 336.20 | \$ 6.72 | | |
| DEPRECIATION: | | | | |
| Irrigation System: \$300.00 over 16 years | 18.75 | | | |
| Crawler: 1.83 hrs @ \$6.40 | 11.71 | | | |
| Wheel Tractor: 0.25 hrs @ \$2.80 | .70 | | | |
| Equipment Other Than Tractors: \$120.00 over 10 yrs life | 12.00 | | | |
| TOTAL DEPRECIATION: | \$ 43.16 | \$.86 | | |
| INTEREST ON INVESTMENT AT 12%: | | | | |
| Irrigation System @ 1/2 Cost: | 18.00 | | | |
| Crawler: 1.83 hrs @ 5.82 | 10.65 | | | |
| Wheel Tractor: 0.25 hrs @ \$2.10 | .53 | | | |
| Equipment Other Than Tractors @ 1/2 Cost: | 7.20 | | | |
| TOTAL INTEREST ON INVESTMENT: | \$ 36.38 | \$.73 | | |
| TOTAL COST OF PRODUCTION: | \$ 415.74 | \$ 8.31 | | |

1/ See back for sample costs at varying yields.

Richard L. Coviello
Farm Advisor

E. A. Yeary
Area Farm Advisor

1720 SOUTH MAPLE FRESNO, CALIFORNIA 93702 TELEPHONE (209) 488-3285

The University of California Cooperative Extension in compliance with the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and the Rehabilitation Act of 1973 does not discriminate on the basis of race, creed, religion, color, national origin, sex or mental or physical handicap in any of its programs or activities. Inquiries regarding this policy may be directed to: Affirmative Action Officer, Cooperative Extension, 2120 University Ave., 7th Floor, University of California, Berkeley, California 94720. (415) 644-4275.

CO-OPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS, U.S. Department of Agriculture,

University of California, and County of Fresno Co-operating.

UC Cooperative Extension

SAMPLE COST AT VARYING YIELDS

Water Cost \$25.00/Ac.Ft.

| <u>Yield: Lbs/A</u> | <u>3500</u> | <u>4000</u> | <u>4500</u> | <u>5000</u> | <u>5500</u> |
|---------------------|-------------|-------------|-------------|-------------|-------------|
| Cash Cost/CWT | \$ 9.30 | 8.22 | 7.39 | 6.72 | 6.18 |
| Total Cost/CWT | \$11.57 | 10.21 | 9.16 | 8.31 | 7.62 |