

Irrigated Barley - Single Cropped
Cost Analysis Work Sheet - 1974

Sample costs to produce irrigated barley in Fresno County (West Side). Based on a yield of 4000 lbs. per acre. Man labor at \$2.90 per hour total and equipment operator \$3.50, including social security and workmen's compensation insurance. 80 h.p. crawler per hour cash costs \$4.70, depreciation \$2.00 and interest \$1.54. 55 h.p. wheel diesel tractor \$2.40, \$1.50, and .90.

	Sample Costs		My Costs	
	Per Acre	Per Cwt.	Per Acre	Per Cwt.
<u>PRE-HARVEST CASH COSTS</u>				
Land preparation: 2 hrs. man & crawler	\$16.40	7.00		
Pre-irrigate: labor 1 hr.	2.90	1.00		
1 ac. ft. water @ \$9.00	9.00			
Disc & harrow: 1/6 hr. crawler	1.37			
Plant: seed 80 lbs. @ 10¢/lb.	8.00			
1/4 hr. wheel tractor	1.48			
Fertilizer: 80 lbs. N @ 10.5¢	8.40			
Broadleaf weed control - custom, 1/3 acres/yr	1.22			
Crop irrigation: labor 1/2 hr.	1.45			
8" water @ \$9/ac. ft.	6.00			
Misc. labor incl. 1/6 hr. crawler	1.37			
County taxes	8.50			
Repairs to equipment except tractors	4.50			
Office, car, operating capital, insurance, etc.	4.84			
TOTAL PRE-HARVEST CASH COSTS	\$75.43	1.89		
<u>HARVESTING COSTS</u>				
25¢ per 100 lbs. to harvest and haul out	10.00			
TOTAL HARVESTING COSTS	10.00	.25		
TOTAL CASH COSTS	85.43	2.14		
<u>DEPRECIATION</u>				
Irrigation system: \$180 - 12 yrs.	15.00			
Crawler: 2 1/3 hrs. @ \$2	4.67			
Wheel tractor: 1/4 hr. @ \$1.50	.38			
Equipment except tractors: \$50 cost & 10 yrs. life	5.00			
TOTAL DEPRECIATION	\$25.05	.63		
<u>INTEREST ON INVESTMENT @ 9%</u>				
Land: \$700	63.00			
Irrigation system: 1/2 cost \$90	8.10			
Crawler: 2 1/3 hrs. @ \$1.54	3.59			
Wheel tractor: 1/4 hrs. @ 90¢	.23			
Equipment except tractors: 1/2 cost \$25	2.25			
TOTAL INTEREST ON INVESTMENT	77.17	1.93		
TOTAL COST OF PRODUCTION	\$187.65	4.70		

If barley is double cropped with 50% of real estate taxes and investment costs charged to the barley, cash costs would be reduced by \$4.51, depreciation by \$10.00 and interest by \$36.68 for a total reduction of \$51.19 per acre.

Sample Costs of Production at Varying Yields

Yield: pounds per acre	Single Cropped				
	3,000	3,500	4,000	4,500	5,000
Cash costs per cwt.	\$2.76	\$2.41	\$2.14	\$1.93	\$1.76
Cash and depreciation per cwt.	\$3.60	\$3.12	\$2.77	\$2.48	\$2.26
Total cash per cwt.	\$6.17	\$5.33	\$4.70	\$4.20	\$3.80
Yield: pounds per acre	Double Cropped				
	3,000	3,500	4,000	4,500	5,000
Cash costs per cwt.	\$2.61	\$2.28	\$2.02	\$1.82	\$1.67
Cash and depreciation per cwt.	\$3.12	\$2.71	\$2.40	\$2.16	\$1.97
Total cost per cwt.	\$4.47	\$3.86	\$3.41	\$3.06	\$2.78

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