

Irrigated Barley - Single Cropped
Cost Analysis Work Sheet - 1969

Sample costs to produce irrigated barley in Fresno County (West Side). Based on a yield of 4000 lbs. per acre. Man labor at \$1.90 per hour total and equipment operator \$2.10, including social security and workmen's compensation insurance. 80 h.p. tracklayer per hour cash costs \$3.20, depreciation \$1.80 and interest 72¢. 50 h.p. wheel diesel tractor \$1.40, 74¢ and 30¢.

	Sample Costs		My Costs	
	Per Acre	Per Cwt.	Per Acre	Per Cwt.
<u>PRE-HARVEST CASH COSTS</u>				
Land preparation: 2 hrs. man and tracklayer	11.00			
Pre-irrigate: labor 1 hr.	1.90			
power for 1 ac. ft. water	10.00			
Disc and harrow: 1/6 hr. tracklayer	.93			
Plant: seed, 80 lbs. @ 4¢/lb.	3.20			
½ hr. wheel tractor	.88			
Fertilizer: 80 lbs. N @ 6.5¢	5.20			
Broadleaf weed control - custom	2.60			
Crop irrigation: labor ½ hr.	.95			
Power for 6" water	5.00			
Misc. labor incl. 1/6 hr. tracklayer	2.00			
County taxes	10.50			
Repairs to equipment except tractors	2.50			
Office, car, operating capital, insurance, etc.	3.40			
Total Pre-Harvest Cash Costs	60.06	1.50		
<u>HARVESTING COSTS</u>				
Custom: \$5.00 per acre plus 10¢ cwt. over 1st 1000 lbs.	8.00			
Hauling: \$2.50/ton	5.00			
Total Harvesting Costs	13.00	.33		
TOTAL CASH COSTS	73.06	1.83		
<u>DEPRECIATION</u>				
Irrigation system: \$200 - 12 yrs.	16.67			
Tracklayer: 2 1/3 hrs. @ \$1.80	4.20			
Wheel tractor: ½ hr. @ 74¢	.19			
Equipment except tractors: \$25 cost and 10 yrs. life	2.50			
Total Depreciation	23.56	.59		
<u>INTEREST ON INVESTMENT @ 7%</u>				
Land: \$600.00	42.00			
Irrigation system: ½ cost \$100.00	7.00			
Tracklayer: 2 1/3 hrs. @ 72¢	1.68			
Wheel tractor: ½ hr. @ 30¢	.08			
Equipment except tractors: ½ cost \$12.50	.88			
Total Interest on Investment	51.64	1.29		
TOTAL COST OF PRODUCTION	148.26	3.71		

If barley is double cropped with 50% of real estate taxes and investment costs charged to the barley, cash costs would be reduced by \$5.57, depreciation by \$9.58 and interest by \$24.94, for a total reduction of \$40.09 per acre.

Sample Costs of Production at Varying Yields

	Single Cropped				
	3000	3500	4000	4500	5000
Yield: pounds per acre					
Cash costs per cwt.	\$2.36	\$2.06	\$1.83	\$1.65	\$1.51
Cash and depreciation per cwt.	\$3.14	\$2.73	\$2.42	\$2.17	\$1.98
Total cost per cwt.	\$4.87	\$4.20	\$3.71	\$3.32	\$3.01
	Double Cropped				
Cash costs per cwt.	\$2.17	\$1.90	\$1.69	\$1.52	\$1.39
Cash and depreciation per cwt.	\$2.64	\$2.30	\$2.04	\$1.84	\$1.67
Total cost per cwt.	\$3.53	\$3.06	\$2.70	\$2.43	\$2.21

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