

BARLEY IN A FALLOW ROTATION
Sample Production Costs

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Barley has long been one of the leading crops of Colusa County. Every year large acreages in the western part of the county are devoted to its production in a barley fallow rotation.

Basis of Costs:

The costs shown in this publication are examples of costs that barley farmers might expect to have when growing barley as an only crop in a dry farmed area. The costs are intended as a guide to be used by farmers in determining their own production costs.

The costs are broken down into cash production costs and also total production costs. The total production cost figure includes interest on all money invested in equipment and land at a rate of 5% per year and depreciation on the equipment used.

The staff of the Farm and Home Advisors Office are happy to help farmers figure production costs for their farms. If help is wanted, please contact our office in the Post Office Building, Colusa.

Colusa

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SAMPLE COSTS TO PRODUCE BARLEY IN A FALLOW ROTATION
OWNER OPERATED FARM

Based on producing 1280 acres with 1/2 in fallow
Yield - 2,000# barley per acre

Operation, Crew and Equipment	Hours per Acre	Cash Cost per Acre						Total Cash Cost	Int & Deprec. on Equip.	Total Cost Per Acre
		Labor	Tractor and Equip.	Contract	Materials					
					Kind	Amount	Value			
Labor @ \$1.20 per hour										
Cultural Costs										
Fallow Year:										
Spread straw: man, 60 H.P. springtooth	.2	.25	.35					.60	.20	.80
Lisk: 2 men, 2 tractors, 2 disks	.12	.30	.40					.70	.30	1.00
Plow: 2 men, 2 tractors, 2 plows	.25	.60	.85					1.45	.60	2.05
Disk: 2 men, 2 tractors, 2 disks	.12	.30	.40					.70	.30	1.00
Crop Year:										
Disk: man, 60 H.P. Tractor, 18' Disk	.2	.25	.40					.65	.25	.90
Seed: 2 men, 20 H.P. Tractor, Broadcaster	.15	.40	.10		Seed	100#	4.00	4.50	.10	4.60
Harrow: man, 40 H.P. Tract., 40' spiketooth	.1	.15	.15					.30	.15	.45
Fertilize: man, 40 H.P., 2 fertil. spreaders	.1	.15	.15		Nitrogen	20#	3.00	3.30	.30	3.60
Spray: man, 20 H.P. Tract. Sprayer	.2	.25	.20		2,4-D		1.00	1.45	.20	1.65
Total cultural cost		2.65	3.00				8.00	13.65	2.40	16.05
Harvest Cost										
Combine: man, 14' combine	.4	.60	1.50					2.10	1.25	3.35
Hauling: man, truck	.4	.60	.50					1.10	.40	1.50
Storage: \$2.88/ton							2.88	2.88		2.88
Total harvest cost		1.20	2.00	2.88				6.08	1.65	7.73
Total		3.85	5.00	2.88			8.00	19.73	4.05	23.78

Miscellaneous Costs:

Taxes	2.00	
Other	.85	
Int. on land \$250 for 2 acres at 5%		12.50
Total Miscellaneous	2.85	12.50
Total cost per acre	22.58	16.55
Cost per cwt.	1.13	1.96

Tractor and equipment cost includes fuel, repairs and other cash costs.

Investment Costs for Barley Fallow Rotation:

<u>Equipment</u>	<u>Approximate Cost New</u>
Tractor, 60 H.P. tract.	\$11,000
Tractor, 40 H.P. tract.	7,000
Tractor, 20 H.P. tract.	2,500
Disk 18'	2,000
Disk 12'	1,500
Plow 10-14"	1,500
Plow 5-14"	600
Spring tooth harrow 36'	500
Spike tooth harrow 40'	400
Harrow cart	400
Broadcaster	250
Combine 14' self propelled	6,500
Truck 1½ ton	3,000
Fertilizer Spreaders 2	1,800
Sprayer	2,000
Misc.	50
Total equipment.....	\$41,000
Buildings-not including dwelling	5,000
Land-1280 acres at \$125	160,000
Total investment.	\$206,000

Income:

Farm income for the year with these sample costs is derived from three sources.

1. Labor done by farmer instead of hired help.
2. Interest on investment.
3. Difference between total production cost and total received for the crop.

The total of the three income sources above will determine the farm's income.