

0.070

SAMPLE INPUTS AND COSTS FOR BARLEY IN ALAMEDA COUNTY

Yield 1500 Lbs. — 400 Acres Rolling Land, Pastured Every Other Year

	Man Labor	40 hp Tractor	Truck 1½ T	Cost per acre	Cost per cwt.
	\$ per acre				
Disk 2 times (or plow)	0.8	0.8		3.60	
Cultivate or Harrow 1 time	0.3	0.3		1.35	
Plant with 12' drill	0.3	0.3		1.35	
Misc. - haul seed, equipment, etc.	1.0		0.5	2.60	
Weed spray - Plane @ \$1.85, half of acreage				.93	
<b>Total preharvest</b>	<b>2.4</b>	<b>1.4</b>	<b>0.5</b>	<b>9.83</b>	<b>.65</b>
Combining	1.0	(Combine	0.5)	5.00	.33
Hauling to warehouse or storage	.5		0.5	1.85	.13
<b>Total labor</b>	<b>3.9</b>	<b>1.4</b>	<b>1.0</b>	<b>16.68</b>	<b>1.11</b>
Seed		60 lb. @ 3.50		2.10	
Weed spray 1½ pt. @ 3.75 = 70¢ x 1/2				.35	
<b>Total materials</b>				<b>2.45</b>	<b>.17</b>
<b>Total labor and materials</b>				<b>19.13</b>	<b>1.28</b>
General expense 5% of above				1.00	
County taxes, land and equipment				4.00	
Repairs other than tractor truck and combine				1.00	
Insurance - Compensation 1/2 of grain, building and equipment				.40	
<b>Total cash overhead</b>				<b>6.40</b>	<b>.42</b>
<b>Total cash costs</b>				<b>25.53</b>	<b>1.70</b>
Investment based on 400 acres of barley only	Orig. cost	Avg. Invest.	Int. on Inv.	Deprec.	
	Total Dollars per acre				
Building for equipment	1800	2.25	.11	.23	
Tillage equipment	3310	4.14	.21	.41	
Grain drill	750	.94	.05	.09	
Combine, self propelled	11000	13.75	- in rate -	-	
Tractor	9000	11.25	- in rate -	-	
Truck	1350	1.69	- in rate -	-	
Grain bed, elevator, storage bins	4100	5.13	.25	.54	
Land	60000	150.00	7.50	-	
<b>Total investment</b>	<b>91310</b>	<b>189.15</b>			
Total depreciation not included in rates per hour				1.27	
<b>Total cash and depreciation cost</b>				<b>26.80</b>	<b>1.78</b>
<b>Total interest on investment at 5%</b>			8.12	8.12	.55
<b>Total cost</b>				<b>34.92</b>	<b>2.33</b>
Less value of stubble for pasture				1.00	.07
<b>Net cost of barley</b>				<b>33.92</b>	<b>2.26</b>

This study is designed for a combination barley-livestock operation. The above are costs as they would occur for an owner operator purchasing new equipment at 1956 prices. Labor costs are figured at the following hourly rates: man labor \$1.50; 40 hp. track diesel tractor \$3.00; 1½ ton truck \$3.20; 14 ft. self propelled combine \$7.00. These power equipment rates include interest on investment, depreciation and repairs, so these items are not listed separately. Storage bins are provided for half of the crop. Average values per acre of depreciable equipment are figured at 1/2 of the original cost and interest at 5% is calculated from the average value.

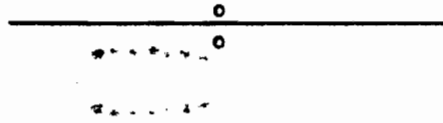
Tractor rate and equipment overhead costs would be reduced if a larger acreage were planted in barley, the equipment used for other enterprises, or if older equipment were used. These same costs would in turn be increased by a smaller acreage of barley. A tenant operator would not have taxes and interest on investment on the land, but would pay rent or a share of the crop to the owner.

\$ 8.12

Based on this study a working operator out of debt would receive a maximum of ~~\$8.25~~ per acre as interest and \$4.35 as labor, or a total of ~~\$12.60~~ per acre when barley is selling at \$2.26 cwt.  
\$ 12.47

This information indicates that 400 acres of barley is a minimum size for an operation in which barley is the principle cash crop grown. Since most barley operations in Alameda County are 200 acres or less, the future of barley in this county is as a supplemental crop to a livestock enterprise or as a rotation crop under a more intensified cropping system.

This study was made in cooperation with the following Alameda County barley producers: Peter Banke, Robert Neilsen, Creighton Baxter, Franklin Brown, Ralph Logan, Manual Costa, Jr., Robert Patterson, Connie Frydendal, Thornton Taylor, Karl Wente.



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# BARLEY IN ALAMEDA COUNTY

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