

MONTEREY COUNTY, ON SUMMER FALLOW, YIELD 1,800 LBS. PER A.

	Hours per acre			Cost per acre	Cost per cwt.	
	Man Labor	60 h.p. Tractor	Truck			
Plow or chisel and disk	0.4	0.4		1.17		
Cultivate summer fallow	0.6	0.6		1.75		
Cultivate and plant	0.3	0.3	0.1	1.08		
Miscellaneous other work	0.5	0.1	0.1	1.02		
Total cultural work	1.8	1.4	0.2	5.02	.28	
Seed, 80 lb. at 3.50				2.80		
Weed spray, contract applied				1.80		
Miscellaneous materials				.30		
Combining, contract \$5.00 per A. minimum, 25 cut, over 20				5.00	.28	
Hauling grain to storage, 10¢ cwt. or \$2.00 a ton.				1.80	.10	
Total materials and custom work				11.70	.65	
Total labor materials and field power				16.72	.93	
General expense, office, car, phone, est. at 5% of above				.84		
County taxes, land 2 yrs. \$2.00, Equipment .10				2.10		
Repairs to equipment				1.00		
Insurance, fumigation and miscellaneous				1.00		
Total cash overhead				4.94	.27	
Total Cash Costs				21.66	1.20	
Investment, on an owner basis	Original cost 500 A	Av. value	5% Int.	Depre- ciation		
			Dollars per A.			
Building for equipment	1000	2.00	.04	.10		
Grain storage & elevator	4500	4.50	.23	.45		
Land, 2 years \$75.00 val.	75000	150.00	7.50	-		
Tillage and planting eqpt.	8200	.82	.04	.16		
Tractor and truck	18000	18.00	.90	3.00		
Total investment	106700	175.32				
Total depreciation				3.71	3.71	.21
Total cash & depreciation					25.37	1.41
Total interest on investment			8.71		8.71	.48
Total all costs, owner basis					34.08	1.89
Less value of stubble					1.00	.06
Net cost of barley, owner					33.08	1.83

The above costs are based on 500 crop acres plus 500 acres in summer fallow with the original cost as shown which includes 1,000 acres of land. Man labor is figured at \$1.32 per hour and cash costs including repairs are figured at \$1.60 per hour for the 60 horse-power crawler tractor and \$2.00 for the truck. Below are costs on the above basis omitting interest on investment and showing earnings at varying yields.

COSTS AND EARNINGS AT VARYING YIELDS, OWNER BASIS

Yield, pounds per acre	600	900	1200	1500	1800	2100	2400
Cash & Deprec. growing costs/acre	16.69	16.69	16.69	16.69	16.69	16.69	16.69
Harvesting etc. per A.	6.06	6.47	6.87	7.28	7.68	8.35	9.54
Total cash & depreciation	22.75	23.16	23.56	23.97	24.37	25.04	26.23
Value at \$2.00 per cwt.	12.00	18.00	24.00	30.00	36.00	42.00	48.00
Capital & Management							
Income per acre	- 10.75	- 5.16	.44	6.03	11.63	16.96	21.77

BARLEY - SAMPLE COSTS AND EARNINGS

by

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Barley is the most important dry land crop in this county. It can be planted from October till March, with most of the crop planted on land fallowed the previous season. With variations in soil rainfall and many other factors, yields per acre can vary from nothing to more than 4,000 lbs. per acre. The county average is around 1,500 lbs., but varies from year to year. A good average commercial yield on fallow land would be approximately 1,800 lbs. per acre as used in the sample costs below.

These sample inputs of labor, tractor work and materials and the resulting costs at the prices shown are presented as a help to growers in estimating their own costs and making decisions regarding this crop. These costs are not represented as average, but have been constructed after field inquiry to be typical of the commercial growers with about 500 acres of crop planted each year. Fertilization is not shown, but may increase yields in many areas of the county with adequate rainfall.

Grazing and Hay. When a barley crop is planted and a low yield is apparent, the production costs can be partly recovered by grazing or cutting hay. The following table shows sample calculations that can be compared with the returns from grain shown on an owner basis at the bottom of the other side of this sheet. No allowance is made for stubble here, so growing costs are \$1.00 per acre more. A 900 lb. yield of grain would have more loss than one ton of hay. Two animal unit months (AUM) at \$3.50 would lose less than 600 lb. of barley.

COSTS AND RETURNS PER ACRE, GRAZING AND BARLEY HAY, OWNER BASIS

	Past. 2 AUM	Past 3 AUM	1 ton hay	1.5 T Hay	2 tons Hay
Growing costs, cash and deprec.	17.69	17.69	17.69	17.69	17.69
Harvesting costs per A. @ \$10.24 a T.			10.24	15.36	20.48
Cash & deprec. costs per acre	17.69	17.69	27.93	33.05	38.17
Value grazing at \$3.50 per AUM	7.00	10.50			
Value hay at \$21.00 a ton			21.00	31.50	42.00
Capital & Management Income	- 10.69	- 7.19	- 6.93	- 1.55	3.83

Renting. The following costs are the same as shown in detail on the other side of this sheet except for the county taxes on the land and that the landlord gets the stubble and one-fourth of the crop. To make the same income per year the tenant needs to farm more land than an owner.

RENTERS' CASH AND DEPRECIATION COSTS AND EARNINGS PER ACRE

	600	900	1200	1500	1800	2100	2400
Total Yield, lbs. per acre	600	900	1200	1500	1800	2100	2400
Tenants 3/4 share	450	675	900	1125	1350	1575	1800
Growing costs-cash & Deprec.	15.69	15.69	15.69	15.69	15.69	15.69	15.69
Harvesting, etc.	6.06	6.47	6.87	7.28	7.68	8.35	9.54
Total Cost per acre	21.75	22.16	22.56	22.97	23.37	24.04	25.23
Value at \$2.00 per cwt.	9.00	13.50	18.00	22.50	27.00	21.50	36.00
Capital and management income per acre	- 12.75	- 8.06	- 4.56	- .47	3.63	7.46	10.77