

Introduction to Costs & Returns Estimates

The University of Idaho Extension produces crop costs and returns estimates every other year. The overall goal of this project is to provide the Idaho agricultural industry with an unbiased and consistent calculated estimate of the cost of producing various crops and to track the change in production costs per acre and per unit over time.

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}•š•X oo ¢•}µ¢ • ¢ À oµ š Çu ¤ Elspñces are taken from the U.S.
/[• vvµ o fageAltural supply companies. The selling price is a historical average, not a cu
Ç ¢ [• Production practices are based on data from growers, crop consultants, and extensio
personnel throughout Idaho. Although production practices may be similar for indivif farms, each
farm has a unique set of resources with different level productivity, different production problems
and therefore different costs. Farm size, crop rotation, age and type of equipment, and the qualit
intensity of management are lacrucial factors that influence costsThe cost of production estimate
show the typical or representative production costs by region based on documented produ
practices. These production costsare not area averagesrather they are based on modelrmas for four
areas of the state.

University of Idaho costs and returns estimates can be used as a management tool to help producers in three ways:

1. **Templates.** Excel spreadsheets have been created by the University of Idaho to make entering budgeting and record keeping an easy task. You can start by substituting our costs and return estimates with your own numbers. You can also enter them in the ^ z } μ € _ } 5 μ u v X
2. **Marketing.** Estimating production costs on a per acre per unit basis can help you calculate Ç } μ € (€ u e v f i c e s l . Knowing your broken price to cover operating costs and total costs can help with contract negotiations and selling on the open market.
3. **Benchmarks.** The University of Idaho costs and returns estimates based on a typical or model farm and are calculated annually using consistent methodology. You can use these estimates as benchmark





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are based on economic costs, not accounting costs. All
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California-Davis to produce the various tables shown in this publication. Machinery operating and ownership costs are calculated based on engineering equations in this program. Machinery operating costs include fuel, lubricants and repairs.

The cost of labor used in this publication includes a base wage, plus a percentage to account for various payroll
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annual hours of use for the current crop and for all crops on the farm is also shown.

Table 5

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TABLE 1. CONTINUED

	Quantities	Unit	
CASH OVERHEAD COSTS			
General Overhead			15.00
Land Development			275.00
Management Fee			50.00
Property Tax			0.00
Property Insurance			1.52
Investment Expense			0.00
TOTAL CASH OVERHEAD COSTS			341.52
TOTAL CASH OVERHEAD COSTS			1.71
TOTAL CASH COSTS			978.65
TOTAL CASH COSTS			4.89
NET UNABOVE CASH COSTS			-78.65
NON-CASH OVERHEAD COSTS			
Equipment			54.65
TOTAL NON-CASH OVERHEAD COSTS			54.65
TOTAL NON-CASH OVERHEAD COSTS			0.27
TOTAL COSTS			1,033.30
TOTAL COSTS			5.17
NET UNABOVE TOTAL COSTS			-133.30

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TABLE 2. CONTINUED

Operation	Total	Cash		Labor Cost per Acre	on me Lb r Co
		Per Acre	Produced		
CASH OVEHEAD:					
General Overhead				15.00	
Land Rent				275.00	
Management Fee				50.00	
Property Tax				0.00	
Property Insurance				1.52	
Investment Depreciation				0.00	
TOTAL CASH OVEHEAD COST				341.52	
TOTAL CASH COST				978.65	
NON-CASH OVEHEAD:		Per Acre	Produced		
E		q		u	i
TOTAL NON-CASH OVEHEAD COST	AD COST	535.68	54.65	54.65	
TOTAL COST				1,033.30	

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TABLE 5. WHOLE FARM ANNUAL EQUIPMENT, INVESTMENT, AND BUSINESS OVERHEAD COSTS
ANNUAL EQUIPMENT COSTS

						Overhead					
Yr	Der			Yr	Ac	Cp					
							pt				
19	Ch						elPbw20'		37,000.00	15	3,552.2
19	CR	15	2,955.3	955.38	20	208.175.00		3,955.			

TABLE 6. RANGING ANALYSIS CONTINUED

Net return Per Acre Above Total Cost For F

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PICE (\$/b)	YIELD (b/acre)						
Corn	150.00	155.00	160.00	165.00	170.00	175.00	180.00
3.75	-470.80	-452.05	-433.30	-414.55	-395.80	-377.05	-358.30
4.00	-433.30	-413.30	-393.30	-373.30	-353.30	-333.30	-313.30
4.25	-395.80	-374.55	-353.30	-332.05	-310.80	-289.55	-268.30
4.50	-358.30	-335.80	-313.30	-290.80	-268.30	-245.80	-223.30
4.75	-320.80	-297.05	-273.30	-249.55	-225.80	-202.05	-178.30
5.00	-283.30	-258.30	-233.30	-208.30	-183.30	-158.30	-133.30
5.25	-245.80	-219.55	-193.30	-167.05	-140.80	-114.55	-88.30