Introduction to Costs & Returns Estimates

The University of Idaho Extension produces crop costs and returns estimates so the verall goal of this project is to provide the Idaho agricultural industry with an unbiased and consistently calculated estimate of the cost of producing is crops and to track the change in production costs per acre and per unit corr time.

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

- Templates.Excel spreadshesthave been created by the University of Idaho to make enterprise budgeting and ecord keeping an easy task. You can start by substituting our costs and returns

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Southcentral Idaho: Magic Valley Alfalfa Hay Establishment with Oats Ashlee Westerhold

Magic Valley

Background and Assumptions

<u>Table 3</u> is a monthly cash flow of expenses based on when the operation occurs and when inputs are applied. Field operations are classified as pre harvest, harvest andost-harvest.

<u>Table 4</u>lists the equipment used to produce this crop and the costs per houto operate this equipment. Total annual hours of use for the current crop and for all crops on the farise also shown.

<u>Table 5</u>lists the purchase price and salvage value of equipment used to produce this crop, as well annual capital recovery and cash olvead expenses.

<u>Table 6</u> provides a ranging analysis, sometimes referred to as a sensitivity analysis.shows how the costs and returns per acre will vary as the yield and/or price ranges above and below the base

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TABLE 1. CONTINUED

	Quantity/	Unit	Price or Cost/Unit	Value or Cost/Acre	Your Cost
CASH OVERHEAD COSTS	There	Oint	Cost Clift	costructe	COSt
General Overhead				14.66	
Land Rent				275.00	
Management Fee				48.00	
Property Taxes				0.00	
Property Insurance				1.00	
Investment Repairs				0.00	
TOTAL CASH OVERHEAD COSTS/ACRE				338.66	
TOTAL CASH COSTS/ACRE				925.12	
NET RETURNS ABOVE CASH COSTS				-412.37	
NON-CASH OVERHEAD COSTS (Capital Recovery)					
Equipment				37.03	
TOTAL NON-CASH OVERHEAD COSTS/ACRE				37.03	
TOTAL COST/ACRE				962.15	
NET RETURNS ABOVE TOTAL COST				-450.15	

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TABLE 2. CONTINUED

Operation____

Cash and Labor Costs per Acre

Operation

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TABLE 3. MONTHLY COSTS PER ACRE TO PRODUCE ALFALFA-OAT HAY

APR	MAY	JUN	JUL	AUG	SEP	OCT	Total
19	19	19	19	19	19	19	

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

ANNUAL EQUIPMENT COSTS

						Cash Over	head		
			Yrs	Salvage	Capital	Insur-			
Yr	Description	Price	Life	Value	Recovery	ance	Taxes	Total	
19	Grain Drill - 24'	37,000.00	12	5,124.74	4,305.78	105.31	0.00	4,411.09	
19	Moldboard Plow 4b	12,300.00	10	2,175.15	1,571.76	36.19	0.00	1,607.95	
19	Pickup 1 - 3/4 ton	42,000.00	5	13,750.00	7,771.98	139.38	0.00	7,911.36	
19	Pickup 2 - 3/4 ton	42,000.00	5	13,750.00	7,771.98	139.38	0.00	7,911.36	
19	Roller Harrow 20'	51,000.00	15	4,896.33	5,312.80	139.74	0.00	5,452.54	
19	Tractor - 185hp	152,000.00	20	19,503.35	13,581.25	428.76	0.00	14,010.01	
19	Tractor - 200hp	162,000.00	20	20,786.46	14,474.76				

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TABLE 6. RANGING ANALYSIS - ALFALFA-OAT HAY

COSTS PER ACRE AT VARYING YIELDS TO PRODUCE ALFALFA-OAT HAY