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Wasatch County Crop Production Costs and Returns, 2011

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Introduction

Sample costs and returns to establish and produce alfalfa hay, barley, oats, and oat hay under wheel line irrigation in Wasatch County, Utah are presented in this publication. This publication is intended to be a guide used to make production decisions, determine potential returns and prepare business and marketing plans. The practices described are not the recommendations of Utah State University, but rather the production practices and materials considered typical of a well-managed farm in the region, as determined by producer survey results from 2011. Costs, materials, and practices are not applicable to all situations as management and cultural practices vary among growers within the region. The "Your Farm" column in all tables is provided for your use.

Farm. The representative farm consists of 125 acres of land on which 80 acres are cultivated for alfalfa production, 15 acres for barley production, 15 acres for oat production, and 15 acres for oat hay production. The market value in 2011 was approximately \$10,000 per acre for agricultural land in Wasatch County with water rights.

Crop Pricing. Five-year average pricing (2006-2010) for alfalfa hay is \$125/ton, barley \$3.48/bu, oats \$2.88/bu, and oat hay \$104/ton (UDAF, 2011).

Owner Labor. The owner is provided a salary of \$75/acre, or \$9,375 annually.

Hired Labor. Hired labor is paid \$10/hr for a total cost of \$2,500 annually for the 125 acre farm or \$20/acre.



Irrigation System. Wheel line system estimated at \$13,000 for a new ½ mile with maximum of 40 acre coverage (Valley Irrigation Company, March 2011).

Cash Overhead. Cash overhead consists of various cash expenses paid out during the year. These costs include property taxes, interest, office expenses, liability and property insurance, accounting/legal costs, as well as investment/machinery repairs.

Property Taxes. Property taxes in Utah differ across counties. For the purposes of this publication, property taxes on buildings are calculated at 1 percent of the average asset value of the property. Property taxes on land should be taken into consideration, but are not included here.

Insurance. Insurance on farm investments vary, depending on the assets included and the amount of coverage. Property insurance provides coverage for property loss at .666 percent of the average asset value. Liability and crop insurance covers accidents and crop loss on the 125 acre farm at an annual cost of \$900.

Fuel and Lube. The fuel and lube for machinery and vehicles is calculated at 8 percent of the average asset value.

Investment Repairs. Annual repairs on all farm investments or capital recovery items that require maintenance are calculated at 2 percent of the average asset value for buildings, improvements, and equipment and 7 percent of the average asset value for machinery and vehicles.

Office & Travel. Office and travel costs are estimated at \$900 for an average year for the 125 acre farm. These expenses include office supplies, telephone service, Internet service, and travel expenses to educational seminars.

Accounting & Legal. Annual accounting and legal costs are estimated at \$900 for an average year for the 125 acre farm.

Capital Recovery. Capital recovery costs are the annual depreciation (opportunity cost) of all farm investments. Capital recovery costs are calculated using straight line depreciation. All equipment listed is new unless otherwise noted. For used machinery the price is

calculated as one-half of the new purchase price and useful life is two-thirds that of new machinery (Painter, 2011).

Salvage Value. Salvage value is 10 percent of the purchase price, which is an estimate of the remaining value of an investment at the end of its useful life. The salvage value for land is the purchase price, as land does not normally depreciate.

Average Asset Value Computation

$$(\frac{\text{Purchase Price} + \text{Salvage Value}}{2})$$

Straight Line Depreciation Computation

References

Painter, Kathleen (2011). The Costs of Owning and Operating Farm Machinery in the Pacific Northwest 2011. A Pacific Northwest Publication #346. University of Idaho, Washington State University, and Oregon State University.

Utah Department of Agriculture and Food (2011). 2011 Utah Agriculture Statistics and Utah Department of Agriculture and Food Annual Report..

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This publication is issued in furtherance of Cooperative Extension work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, Noelle E. Cockett, Vice President for Extension and Agriculture, Utah State University.

Table 1: Wasatch County Alfalfa Hay Establishment Costs, 80 acres, 2011.

OPERATING COSTS Insecticide 80.00 Acre \$ 20.00 \$ 1,600.00 \$ 20.00 Insecticide Insecticide 80.00 Acre \$ 20.00 \$ 3,800.00 \$ 20.00 \$ 38.00 \$ 20.00 \$ 38.00 \$ 20.00 \$ 10.00 \$ 10.50	Table 1. Wasaten County Anan	a Hay Establish	illicht Co.	<i></i> , (o acres, 2	VII	••		Total	
OPERATING COSTS Insecticide 80.00 Acre \$ 20.00 \$ 1,600.00 \$ 20.00 Herbicide 80.00 Acre \$ 38.00 \$ 3,040.00 \$ 38.00 Fertilizer 80.00 Acre \$ 46.00 \$ 3,680.00 \$ 46.00 Custom Chemical App 80.00 Acre \$ 16.50 \$ 1,320.00 \$ 16.50 Testing (Soil & Forage) 1.00 Annual \$ 100.00 \$ 1,000.00 \$ 1,250.00 Irrigation 1.00 Annual \$ 2,500.00 \$ 50.00 \$ 50.00 Idatia Seed 1.00 Annual \$ 2,500.00 \$ 2,500.00 \$ 20.00 Operator Labor 80.00 Acre \$ 75.00 \$ 6,000.00 \$ 75.00 Labe 1.00 Annual \$ 3,618.56 \$ 3,618.56 \$ 45.23 Maintenance 1.00 Annual \$ 3,777.84 \$ 3,777.84 \$ 47.22 Miscellaneous 80.00 Acre \$ 5.00 \$ 600.00 \$ 7.50 CASH OVERHEAD COSTS \$ 600.00				Р	rice/Cost		Total	Co		Your
Insecticide		Total Units	Unit	ļ	Per Unit	(Cost/Value	Ρ	er Acre	Farm
Insecticide	•									
Herbicide	OPERATING COSTS									
Fertilizer	Insecticide	80.00	Acre	\$	20.00	\$	1,600.00	\$	20.00	
Custom Chemical App 80.00 Acre \$ 16.50 \$ 1,320.00 \$ 16.50 Testing (Soil & Forage) 1.00 Annual \$ 100.00 \$ 100.00 \$ 10.00 \$ 1.25 Irrigation 1.00 Annual \$ 4,000.00 \$ 4,000.00 \$ 50.00 Alfalfa Seed 1.00 Annual \$ 2,500.00 \$ 2,500.00 \$ 31.25 Labor 80.00 Acre \$ 20.00 \$ 1,600.00 \$ 75.00 Operator Labor 80.00 Acre \$ 20.00 \$ 1,600.00 \$ 75.00 Fuel & Lube 1.00 Annual \$ 3,618.56 \$ 3,618.56 \$ 45.23 Maintenance 1.00 Annual \$ 3,777.84 \$ 3,777.84 \$ 77.22 Miscellaneous 80.00 Acre \$ 5.00 \$ 400.00 \$ 5.00 TOTAL OPERATING COSTS Liability/Crop Insurance \$ 600.00 \$ 7.50 Accounting & Legal \$ 600.00 \$ 7.50 Office & Travel \$ 600.00 \$ 7.50 Annual Investment Insurance </td <td>Herbicide</td> <td>80.00</td> <td>Acre</td> <td>\$</td> <td>38.00</td> <td>\$</td> <td>3,040.00</td> <td>\$</td> <td>38.00</td> <td></td>	Herbicide	80.00	Acre	\$	38.00	\$	3,040.00	\$	38.00	
Testing (Soil & Forage)	Fertilizer	80.00	Acre	\$	46.00	\$	3,680.00	\$	46.00	
Irrigation	Custom Chemical App	80.00	Acre	\$	16.50	\$	1,320.00	\$	16.50	
Irrigation	Testing (Soil & Forage)	1.00	Annual	\$	100.00	\$	100.00	\$	1.25	
Labor 80.00 Acre \$ 20.00 \$ 20.00 Operator Labor 80.00 Acre \$ 75.00 \$ 6,000.00 \$ 75.00 Fuel & Lube 1.00 Annual \$ 3,618.56 \$ 45.23 Maintenance 1.00 Annual \$ 3,777.84 \$ 47.22 Miscellaneous 80.00 Acre \$ 5.00 \$ 400.00 \$ 5.00 TOTAL OPERATING COSTS CASH OVERHEAD COSTS Liability/Crop Insurance \$ 600.00 \$ 7.50 Accounting & Legal \$ 600.00 \$ 7.50 Office & Travel \$ 600.00 \$ 7.50 Annual Investment Insurance \$ 504.91 \$ 6.31 Annual Investment Taxes \$ 127.60 \$ 1.60 TOTAL CASH OVERHEAD COSTS Suldings, Improvements, & Equipment \$ 1,842.00 \$ 23.03 Machinery & Vehicles \$ 10,809.60 \$ 135.12 TOTAL NONCASH OVERHEAD COSTS TOTAL COSTS \$ 15,084.11 \$ 188.55 TOTAL COSTS \$		1.00	Annual	\$	4,000.00	\$	4,000.00	\$	50.00	
Labor 80.00 Acre \$ 20.00 \$ 20.00 Operator Labor 80.00 Acre \$ 75.00 \$ 6,000.00 \$ 75.00 Fuel & Lube 1.00 Annual \$ 3,618.56 \$ 45.23 Maintenance 1.00 Annual \$ 3,777.84 \$ 47.22 Miscellaneous 80.00 Acre \$ 5.00 \$ 400.00 \$ 5.00 TOTAL OPERATING COSTS CASH OVERHEAD COSTS Liability/Crop Insurance \$ 600.00 \$ 7.50 Accounting & Legal \$ 600.00 \$ 7.50 Office & Travel \$ 600.00 \$ 7.50 Annual Investment Insurance \$ 504.91 \$ 6.31 Annual Investment Taxes \$ 127.60 \$ 1.60 TOTAL CASH OVERHEAD COSTS Suldings, Improvements, & Equipment \$ 1,842.00 \$ 23.03 Machinery & Vehicles \$ 10,809.60 \$ 135.12 TOTAL NONCASH OVERHEAD COSTS TOTAL COSTS \$ 15,084.11 \$ 188.55 TOTAL COSTS \$	Alfalfa Seed	1.00	Annual	\$	2,500.00	\$	2,500.00	\$	31.25	
Fuel & Lube	Labor	80.00	Acre	\$		\$	1,600.00	\$	20.00	
Fuel & Lube	Operator Labor	80.00	Acre		75.00				75.00	
Maintenance Miscellaneous 1.00 Annual 80.00 Acre \$ 3,777.84 \$ 3,777.84 \$ 47.22 \$ 400.00 \$ 5.	•	1.00	Annual	\$	3,618.56	\$	3,618.56		45.23	
Miscellaneous 80.00 Acre \$ 5.00 \$ 400.00 \$ 5.00	Maintenance	1.00	Annual							
TOTAL OPERATING COSTS \$ 31,636.40 \$ 395.46	Miscellaneous			\$		\$		\$		
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CASH OVERHEAD COSTS \$ 600.00 \$ 7.50	TOTAL OPERATING COSTS					\$	31,636.40	\$	395.46	
CASH OVERHEAD COSTS \$ 600.00 \$ 7.50										
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Accounting & Legal \$ 600.00 \$ 7.50	CASH OVERHEAD COSTS									
Office & Travel \$ 600.00 \$ 7.50	Liability/Crop Insurance					\$	600.00	\$	7.50	
Annual Investment Insurance Annual Investment Taxes \$ 504.91 \$ 6.31	Accounting & Legal					\$	600.00	\$	7.50	
Annual Investment Taxes \$ 127.60 \$ 1.60 TOTAL CASH OVERHEAD COSTS \$ 2,432.51 \$ 30.41 NONCASH OVERHEAD COSTS (Capital Recovery) Buildings, Improvements, & Equipment \$ 1,842.00 \$ 23.03 Machinery & Vehicles \$ 10,809.60 \$ 135.12 TOTAL NONCASH OVERHEAD COSTS \$ 12,651.60 \$ 158.15 TOTAL OWNERSHIP COSTS \$ 15,084.11 \$ 188.55 TOTAL COSTS \$ 46,720.51 \$ 584.01 YEAR ONE INCOME Alfalfa Hay 4.00 Tons \$ 125.00 \$ 40,000.00 \$ 500.00 TOTAL GROSS INCOME \$ 40,000.00 \$ 500.00	Office & Travel					\$	600.00	\$	7.50	
Annual Investment Taxes \$ 127.60 \$ 1.60 TOTAL CASH OVERHEAD COSTS \$ 2,432.51 \$ 30.41 NONCASH OVERHEAD COSTS (Capital Recovery) Buildings, Improvements, & Equipment \$ 1,842.00 \$ 23.03 Machinery & Vehicles \$ 10,809.60 \$ 135.12 TOTAL NONCASH OVERHEAD COSTS \$ 12,651.60 \$ 158.15 TOTAL OWNERSHIP COSTS \$ 15,084.11 \$ 188.55 TOTAL COSTS \$ 46,720.51 \$ 584.01 YEAR ONE INCOME Alfalfa Hay 4.00 Tons \$ 125.00 \$ 40,000.00 \$ 500.00 TOTAL GROSS INCOME \$ 40,000.00 \$ 500.00	Annual Investment Insurance						504.91	\$	6.31	
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NONCASH OVERHEAD COSTS (Capital Recovery) Buildings, Improvements, & Equipment \$ 1,842.00 \$ 23.03										
NONCASH OVERHEAD COSTS (Capital Recovery) Buildings, Improvements, & Equipment \$ 1,842.00 \$ 23.03	TOTAL CASH OVERHEAD COSTS	3				\$	2,432.51	\$	30.41	
Buildings, Improvements, & Equipment \$ 1,842.00 \$ 23.03										
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TOTAL OWNERSHIP COSTS \$ 15,084.11 \$ 188.55 TOTAL COSTS \$ 46,720.51 \$ 584.01 YEAR ONE INCOME Alfalfa Hay 4.00 Tons \$ 125.00 \$ 40,000.00 \$ 500.00 TOTAL GROSS INCOME \$ 40,000.00 \$ 500.00	Machinery & Vehicles						10,809.60	\$	135.12	
TOTAL OWNERSHIP COSTS \$ 15,084.11 \$ 188.55 TOTAL COSTS \$ 46,720.51 \$ 584.01 YEAR ONE INCOME Alfalfa Hay 4.00 Tons \$ 125.00 \$ 40,000.00 \$ 500.00 TOTAL GROSS INCOME \$ 40,000.00 \$ 500.00										
TOTAL COSTS \$ 46,720.51 \$ 584.01 YEAR ONE INCOME Alfalfa Hay 4.00 Tons \$ 125.00 \$ 40,000.00 \$ 500.00 TOTAL GROSS INCOME \$ 40,000.00 \$ 500.00	TOTAL NONCASH OVERHEAD CO	DSTS				\$	12,651.60	\$	158.15	
TOTAL COSTS \$ 46,720.51 \$ 584.01 YEAR ONE INCOME Alfalfa Hay 4.00 Tons \$ 125.00 \$ 40,000.00 \$ 500.00 TOTAL GROSS INCOME \$ 40,000.00 \$ 500.00										
YEAR ONE INCOME Alfalfa Hay	TOTAL OWNERSHIP COSTS					\$	15,084.11	\$	188.55	
YEAR ONE INCOME Alfalfa Hay										
Alfalfa Hay 4.00 Tons \$ 125.00 \$ 40,000.00 \$ 500.00 TOTAL GROSS INCOME \$ 40,000.00 \$ 500.00	TOTAL COSTS					\$	46,720.51	\$	584.01	
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TOTAL GROSS INCOME \$ 40,000.00 \$ 500.00	YEAR ONE INCOME									
		4.00	Tons	\$	125.00	\$		\$	500.00	
TOTAL ESTABLISHMENT INVESTMENT \$ 6,720.51 \$ 84.01	TOTAL GROSS INCOME					\$	40,000.00	\$	500.00	
TOTAL ESTABLISHMENT INVESTMENT \$ 6,720.51 \$ 84.01										
	TOTAL ESTABLISHMENT INVEST	MENT				\$	6,720.51	\$	84.01	

Table 2: Wasatch County Alfalfa Hay Production Costs and Returns, 80 acres, 2011.

Total Units Unit Per Unit Cost/Value Per Acre Farn	•	•						Total		
Comparison Com					_				Your	
Alfalfa Hay 5.00 Tons \$ 125.00 \$ 50,000.00 \$ 625.00		Total Units	Unit	 Per Unit		cost/Value	<u> </u>	er Acre	Farm	
Alfalfa Hay 5.00 Tons \$ 125.00 \$ 50,000.00 \$ 625.00	GROSS INCOME									
TOTAL GROSS INCOME		5.00	Tons	\$ 125.00	\$	50,000.00	\$	625.00		
Detail	•					,	•			
Insecticide	TOTAL GROSS INCOME				\$	50,000.00	\$	625.00		
Insecticide	ODEDATING COSTS									
Herbicide		80.00	Acre	\$ 20.00	\$	1 600 00	\$	20.00		
Fertilizer										
Custom Chemical App 80.00 Acre \$ 16.50 \$ 1,320.00 \$ 16.50 Testing (Soil & Forage) 1.00 Annual \$ 100.00 \$ 100.00 \$ 1.25 Irrigation 1.00 Annual \$ 4,000.00 \$ 4,000.00 \$ 50.00 Labor 80.00 Acre \$ 20.00 \$ 1,600.00 \$ 20.00 Operator Labor 80.00 Acre \$ 75.00 \$ 6,000.00 \$ 75.00 Fuel & Lube 1.00 Annual \$ 3,618.56 \$ 3,618.56 \$ 45.23 Miscellaneous 80.00 Acre \$ 5.00 \$ 400.00 \$ 5.00 Miscellaneous 80.00 Acre \$ 5.00 \$ 400.00 \$ 5.00 TOTAL OPERATING COSTS \$ 27,296.40 \$ 341.21 \$ 341.21 INCOME ABOVE OPERATING COSTS \$ 22,703.60 \$ 283.80 OWNERSHIP COSTS CASH OVERHEAD COSTS \$ 600.00 \$ 7.50 Accounting & Legal \$ 600.00 \$ 7.50 Office & Travel \$ 600.00 \$ 7.50 Annual Investment Insurance \$ 504.91 \$ 6.31 Annual Investm										
Testing (Soil & Forage)										
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Operator Labor 80.00 Acre \$ 75.00 \$ 6,000.00 \$ 75.00 Fuel & Lube 1.00 Annual \$ 3,618.56 \$ 3,618.56 \$ 45.23 Maintenance 1.00 Annual \$ 3,777.84 \$ 3,777.84 \$ 47.22 Miscellaneous 80.00 Acre \$ 5.00 \$ 400.00 \$ 5.00 TOTAL OPERATING COSTS TOTAL OPERATING COSTS \$ 27,296.40 \$ 341.21 INCOME ABOVE OPERATING COSTS CASH OVERHEAD COSTS CASH OVERHEAD COSTS CASH OVERHEAD COSTS \$ 600.00 \$ 7.50 Annual Investment Insurance \$ 600.00 \$ 7.50 Annual Investment Taxes \$ 127.60 \$ 1.60 TOTAL CASH OVERHEAD COSTS \$ 2,432.51 \$ 30.41 NONCASH OVERHEAD COSTS (Capital Recovery) Buildings, Improvements, & Equipment \$ 2,802.07 \$ 35.03 Machinery & Vehicles \$ 13,611.67 \$ 170.15 TOTAL NONCASH OVERHEAD COSTS \$ 13,611.67 \$ 170.15 <td colsp<="" td=""><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	<td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	-								
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Section Sect	Miscellaneous	80.00	Acre	\$ 5.00	\$	400.00	\$	5.00		
Section Sect	TOTAL OPERATING COSTS				\$	27,296.40	\$	341.21		
CASH OVERHEAD COSTS Liability/Crop Insurance \$ 600.00 \$ 7.50	INCOME ABOVE OPERATING	COSTS					\$	283.80		
CASH OVERHEAD COSTS Liability/Crop Insurance \$ 600.00 \$ 7.50	OWNEDGUID COSTS									
Liability/Crop Insurance \$ 600.00 \$ 7.50										
Accounting & Legal \$ 600.00 \$ 7.50					Ф	600.00	Φ	7.50		
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Annual Investment Taxes \$ 127.60 \$ 1.60 TOTAL CASH OVERHEAD COSTS \$ 2,432.51 \$ 30.41 NONCASH OVERHEAD COSTS (Capital Recovery) Buildings, Improvements, & Equipment \$ 2,802.07 \$ 35.03 Machinery & Vehicles \$ 10,809.60 \$ 135.12 TOTAL NONCASH OVERHEAD COSTS \$ 13,611.67 \$ 170.15 TOTAL OWNERSHIP COSTS \$ 16,044.18 \$ 200.55 TOTAL COSTS \$ 43,340.58 \$ 541.76										
TOTAL CASH OVERHEAD COSTS \$ 2,432.51 \$ 30.41 NONCASH OVERHEAD COSTS (Capital Recovery) Buildings, Improvements, & Equipment \$ 2,802.07 \$ 35.03 Machinery & Vehicles \$ 10,809.60 \$ 135.12 TOTAL NONCASH OVERHEAD COSTS \$ 13,611.67 \$ 170.15 TOTAL OWNERSHIP COSTS \$ 16,044.18 \$ 200.55 TOTAL COSTS \$ 43,340.58 \$ 541.76										
NONCASH OVERHEAD COSTS (Capital Recovery) Buildings, Improvements, & Equipment \$ 2,802.07 \$ 35.03 Machinery & Vehicles \$ 10,809.60 \$ 135.12 TOTAL NONCASH OVERHEAD COSTS \$ 13,611.67 \$ 170.15 TOTAL OWNERSHIP COSTS \$ 16,044.18 \$ 200.55 TOTAL COSTS \$ 43,340.58 \$ 541.76	Annual investment Taxes				\$	127.60	\$	1.60		
Buildings, Improvements, & Equipment \$ 2,802.07 \$ 35.03	TOTAL CASH OVERHEAD CO	OSTS			\$	2,432.51	\$	30.41		
Buildings, Improvements, & Equipment \$ 2,802.07 \$ 35.03	NONCACI OVERUEAR COO	TO (O11-1 D								
Machinery & Vehicles \$ 10,809.60 \$ 135.12 TOTAL NONCASH OVERHEAD COSTS \$ 13,611.67 \$ 170.15 TOTAL OWNERSHIP COSTS \$ 16,044.18 \$ 200.55 TOTAL COSTS \$ 43,340.58 \$ 541.76			overy)		φ.	0.000.0=	^	05.00		
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TOTAL OWNERSHIP COSTS \$ 16,044.18 \$ 200.55 TOTAL COSTS \$ 43,340.58 \$ 541.76	Machinery & Vehicles				\$	10,809.60	\$	135.12		
TOTAL COSTS \$ 43,340.58 \$ 541.76	TOTAL NONCASH OVERHEA	D COSTS		 	\$	13,611.67	\$	170.15		
TOTAL COSTS \$ 43,340.58 \$ 541.76	TOTAL OWNEDSHIP COSTS				φ	16 044 10	φ	200 55		
	TOTAL OWNERSHIP COSTS				Ф	10,044.18	Φ	200.55		
NET PROJECTED RETURNS \$ 6.659.42 \$ 93.24	TOTAL COSTS				\$	43,340.58	\$	541.76		
	NET PRO IECTED PETIIDNIS				¢	6 650 42	¢	83 24		

Table 3: Alfalfa Hay Production Investment Summary.

Description	P	urchase Price	Percentage Use	Purchase Price	Useful Life (Yrs)	s	alvage Value	nnual Capital Recovery		Annual Insurance	An	nual Taxes	Aı	nual Repairs	A	nnual Fuel & Lube
Duildings Immerciance and Foun	:															
Buildings, Improvements, and Equ	•								_				_		_	
Land	\$	1,250,000.00	64% \$	•	150.00	\$	800,000.00	-	\$	-		TBD		-	\$	-
Shop (30X50) & Tools	\$	10,000.00	64% \$	6,400.00	40.00	\$	640.00	\$ 144.00	\$	23.44	\$	35.20	\$	70.40	\$	-
Hay Barn (50X100)	\$	20,000.00	84% \$	16,800.00	40.00	\$	1,680.00	\$ 378.00	\$	61.54	\$	92.40	\$	184.80	\$	-
Irrigation System (Wheel Line)	\$	26,000.00	100% \$	26,000.00	25.00	\$	2,600.00	\$ 936.00	\$	95.24	\$	-	\$	286.00	\$	-
Implements	\$	10,000.00	64% \$	6,400.00	15.00	\$	640.00	\$ 384.00	\$	23.44	\$	-	\$	70.40	\$	-
Alfalfa Establishment	\$	6,720.51	100% \$	6,720.51	7.00	\$	-	\$ 960.07	\$	-	\$	-	\$	-	\$	-
Sub Total Pre-Establishment	\$	1,316,000.00	\$	855,600.00		\$	805,560.00	\$ 1,842.00	\$	203.66	\$	127.60	\$	611.60	\$	-
Sub Total Post-Establishment	\$	1,322,720.51	\$	862,320.51		\$	805,560.00	\$ 2,802.07	\$	203.66	\$	127.60	\$	611.60	\$	-
Machinery and Vehicles																
85 HP Tractor (used)	\$	26,000.00	64% \$	16,640.00	10.00	\$	1,664.00	\$ 1,497.60	\$	60.95	\$	-	\$	640.64	\$	732.16
Swather (used)	\$	15,000.00	84% \$	12,600.00	7.00	\$	1,260.00	\$ 1,620.00	\$	46.15	\$	-	\$	485.10	\$	554.40
Baler (32X34) (used)	\$	25,000.00	84% \$	21,000.00	7.00	\$	2,100.00	\$ 2,700.00	\$	76.92	\$	-	\$	808.50	\$	924.00
4-Wheeler	\$	10,000.00	64% \$	6,400.00	5.00	\$	640.00	\$ 1,152.00	\$	23.44	\$	-	\$	246.40	\$	281.60
3/4 Ton Pickup	\$	40,000.00	64% \$	25,600.00	6.00	\$	2,560.00	\$ 3,840.00	\$	93.77	\$	-	\$	985.60	\$	1,126.40
Sub Total			\$	82,240.00		\$	8,224.00	\$ 10,809.60	\$	301.25	\$	-	\$	3,166.24	\$	3,618.56
Total			\$	944,560.51		\$	813,784.00	\$ 13,611.67	\$	504.91	\$	127.60	\$	3,777.84	\$	3,618.56

Table 4: Wasatch County Barley Production Costs and Returns, 15 acres, 2011.

TOTAL GROSS INCOME		Total Units	Unit	rice/Cost Per Unit	С	Total ost/Value		Total est/Value er Acre	Your Farm
Barley	GROSS INCOME								
Straw		100.00	Bushels	\$ 3.48	\$	5,220.00	\$	348.00	
TOTAL GROSS INCOME	Straw								
Insecticide	TOTAL GROSS INCOME		-						
Insecticide	OPERATING COSTS								
Herbicide		15.00	Acre	\$ _	\$	_	\$	_	
Fertilizer 15.00 Acre \$ 15.00 \$ 225.00 \$ 15.00 Custom Chemical App 15.00 Acre \$ 11.00 \$ 165.00 \$ 11.00 Custom Chemical App 15.00 Acre \$ 11.00 \$ 165.00 \$ 11.00 Custom Combine 15.00 Acre \$ 30.00 \$ 450.00 \$ 30.00 Custom Combine 15.00 Acre \$ 30.00 \$ 450.00 \$ 30.00 Custom Combine 15.00 Acre \$ 1.00 \$ 15.00 \$ 1.00 Custom Combine 15.00 Acre \$ 1.00 \$ 15.00 \$ 1.00 Custom Combine 15.00 Acre \$ 24.00 \$ 360.00 \$ 24.00 Custom Combine 15.00 Acre \$ 22.00 \$ 360.00 \$ 24.00 Custom Combine 15.00 Acre \$ 20.00 \$ 300.00 \$ 20.00 Custom Combine 15.00 Acre \$ 20.00 \$ 300.00 \$ 20.00 Custom Combine 15.00 Acre \$ 75.00 \$ 300.00 \$ 20.00 Custom Combine 15.00 Acre \$ 75.00 \$ 300.00 \$ 20.00 Custom Combine 15.00 Acre \$ 75.00 \$ 1,125.00 \$ 75.00 Custom Combine 15.00 Acre \$ 75.00 \$ 1,125.00 \$ 75.00 Custom Combine 15.00 Acre \$ 75.00 \$ 1,125.00 \$ 75.00 Custom Combine 15.00 Acre \$ 5.00 \$ 75.00 \$ 75.00 Custom Combine 15.00 Acre \$ 5.00 \$ 75.00 \$ 75.00 Custom Combine 15.00 Acre \$ 5.00 \$ 75.00 \$ 75.00 Custom Combine 15.00 Acre \$ 5.00 \$ 75.00 \$ 75.00 Custom Combine 15.00 Acre \$ 5.00 \$ 75.00 \$ 5.00 Custom Combine 15.00				7 00		105.00		7 00	
Custom Chemical App 15.00 Acre \$ 11.00 \$ 165.00 \$ 11.00 Custom Combine 15.00 Acre \$ 30.00 \$ 450.00 \$ 30.00 Testing (Soil) 15.00 Acre \$ 1.00 \$ 15.00 \$ 1.00 Seed 15.00 Acre \$ 24.00 \$ 360.00 \$ 24.00 Irrigation 1.00 Annual \$ 1,000.00 \$ 1,000.00 \$ 66.67 Labor 15.00 Acre \$ 20.00 \$ 300.00 \$ 20.00 Operator Labor 15.00 Acre \$ 75.00 \$ 1,125.00 \$ 75.00 Euel & Lube 1.00 Annual \$ 401.28 \$ 401.28 \$ 26.75 Maintenance 1.00 Annual \$ 424.71 \$ 424.71 \$ 28.31 Miscellaneous 15.00 Acre \$ 5.00 \$ 75.00 \$ 5.00 TOTAL OPERATING COSTS \$ 4,645.99 \$ 309.73 INCOME ABOVE OPERATING COSTS \$ 2,074.01 \$ 138.27 OWNERSHIP COSTS Liability/Crop Insurance \$ 100.00 \$ 6.67 Accounting & Legal \$ 100.00 \$ 6.67 Accounting & Legal \$ 100.00 \$ 6.67 Office & Travel \$ 100.00 \$ 6.67 Annual Investment Insurance \$ 5.79 \$ 3.86 Annual Investment Taxes \$ 5.60 \$ 0.44 TOTAL CASH OVERHEAD COSTS \$ 1,216.80 \$ 81.12 TOTAL CASH OVERHEAD COSTS \$ 1,216.80 \$ 81.12 TOTAL ONCASH OVERHEAD COSTS \$ 1,247.24 \$ 98.02 TOTAL ONCASH OVERHEAD COSTS \$ 1,247.24 \$ 98.02 TOTAL ONNOCASH OVERHEAD COSTS \$ 1,247.24 \$ 98.02 TOTAL COSTS \$ 1,247.24 \$ 98.02 TOTAL COSTS \$ 1,247.24 \$ 98.02 TOTAL ONNOCASH OVERHEAD COSTS \$ 1,247.24 \$ 98.02 TOTAL COSTS \$ 1,247.24 \$ 98.02 TOTAL COSTS \$ 1,247.24 \$ 98.02									
Custom Combine									
Testing (Soil) 15.00 Acre \$ 1.00 \$ 15.00 \$ 1.00 Seed 15.00 Acre \$ 24.00 \$ 360.00 \$ 24.00 Irrigation 1.00 Annual \$ 1,000.00 \$ 1,000.00 \$ 66.67 Labor 15.00 Acre \$ 20.00 \$ 300.00 \$ 20.00 Operator Labor 15.00 Acre \$ 75.00 \$ 1,125.00 \$ 75.00 Fuel & Lube 1.00 Annual \$ 401.28 \$ 401.28 \$ 26.75 Maintenance 1.00 Annual \$ 424.71 \$ 424.71 \$ 28.31 Miscellaneous 15.00 Acre \$ 5.00 \$ 75.00 \$ 5.00 TOTAL OPERATING COSTS \$ 4,645.99 \$ 309.73 INCOME ABOVE OPERATING COSTS \$ 2,074.01 \$ 138.27 OWNERSHIP COSTS CASH OVERHEAD COSTS Lability/Crop Insurance \$ 100.00 \$ 6.67 Accounting & Legal \$ 100.00 \$ 6.67 Annual Investment Insurance \$ 57.91 \$ 3.86 Annual Investment Taxes \$ 6.60 \$ 0.44 TOTAL CASH OVERHEAD COSTS \$ 1,470.24 \$ 98.02 TOTAL ONNCASH OVERHEAD COSTS \$ 1,470.24 \$ 98.02 TOTAL OWNERSHIP COSTS \$ 1,834.75 \$ 122.32 TOTAL COSTS \$ 1,834.75 \$ 122.32									
Seed									
Irrigation									
Labor									
Operator Labor 15.00 Acre \$ 75.00 \$ 1,125.00 \$ 75.00 Fuel & Lube 1.00 Annual \$ 401.28 \$ 401.28 \$ 26.75 Maintenance 1.00 Annual \$ 424.71 \$ 28.31 Miscellaneous 15.00 Acre \$ 5.00 \$ 75.00 \$ 5.00 TOTAL OPERATING COSTS INCOME ABOVE OPERATING COSTS \$ 4,645.99 \$ 309.73 INCOME ABOVE OPERATING COSTS CASH OVERHEAD COSTS Liability/Crop Insurance \$ 100.00 \$ 6.67 Accounting & Legal \$ 100.00 \$ 6.67 Office & Travel \$ 100.00 \$ 6.67 Annual Investment Insurance \$ 57.91 \$ 3.86 Annual Investment Taxes \$ 6.60 \$ 0.44 TOTAL CASH OVERHEAD COSTS Buildings, Improvements, & Equipment \$ 253.44 \$ 16.90 Machinery & Vehicles \$ 1,470.24 \$ 98.02 TOTAL OWNERSHIP COSTS \$ 1,4834.75 \$ 122.32 TOTAL COSTS	•								
Fuel & Lube					-				
Maintenance 1.00 Annual \$ 424.71 \$ 424.71 \$ 28.31 Miscellaneous 15.00 Acre \$ 5.00 \$ 75.00 \$ 5.00 TOTAL OPERATING COSTS INCOME ABOVE OPERATING COSTS \$ 4,645.99 \$ 309.73 INCOME ABOVE OPERATING COSTS CASH OVERHEAD COSTS CASH OVERHEAD COSTS \$ 100.00 \$ 6.67 Accounting & Legal \$ 100.00 \$ 6.67 Office & Travel \$ 100.00 \$ 6.67 Annual Investment Insurance \$ 57.91 \$ 3.86 Annual Investment Taxes \$ 6.60 \$ 0.44 TOTAL CASH OVERHEAD COSTS NONCASH OVERHEAD COSTS (Capital Recovery) Buildings, Improvements, & Equipment \$ 253.44 \$ 16.90 Machinery & Vehicles \$ 1,216.80 \$ 81.12 TOTAL NONCASH OVERHEAD COSTS \$ 1,834.75 \$ 122.32 TOTAL COSTS \$ 6,480.74 \$ 432.05	•					•			
Miscellaneous 15.00 Acre \$ 5.00 \$ 75.00 \$ 5.00 TOTAL OPERATING COSTS \$ 4,645.99 \$ 309.73 INCOME ABOVE OPERATING COSTS \$ 2,074.01 \$ 138.27 OWNERSHIP COSTS CASH OVERHEAD COSTS Liability/Crop Insurance \$ 100.00 \$ 6.67 Accounting & Legal \$ 100.00 \$ 6.67 Office & Travel \$ 100.00 \$ 6.67 Annual Investment Insurance \$ 57.91 \$ 3.86 Annual Investment Taxes \$ 6.60 \$ 0.44 TOTAL CASH OVERHEAD COSTS \$ 364.51 \$ 24.30 NONCASH OVERHEAD COSTS (Capital Recovery) Buildings, Improvements, & Equipment \$ 253.44 \$ 16.90 Machinery & Vehicles \$ 1,216.80 \$ 81.12 TOTAL NONCASH OVERHEAD COSTS \$ 1,470.24 \$ 98.02 TOTAL OWNERSHIP COSTS \$ 1,834.75 \$ 122.32 TOTAL COSTS \$ 6,480.74 \$ 432.05									
NOMERSHIP COSTS \$ 2,074.01 \$ 138.27	Miscellaneous								
NOMERSHIP COSTS \$ 2,074.01 \$ 138.27	TOTAL ODEDATING COS	TO			¢.	4 645 00	¢.	200.72	
OWNERSHIP COSTS CASH OVERHEAD COSTS Liability/Crop Insurance \$ 100.00 \$ 6.67									
CASH OVERHEAD COSTS Liability/Crop Insurance \$ 100.00 \$ 6.67					Ψ_	2,07 1.01	Ψ	100.21	
Liability/Crop Insurance \$ 100.00 \$ 6.67		2							
Accounting & Legal \$ 100.00 \$ 6.67		3			Ф	100.00	Ф	6 67	
Office & Travel \$ 100.00 \$ 6.67 Annual Investment Insurance \$ 57.91 \$ 3.86 Annual Investment Taxes \$ 6.60 \$ 0.44 TOTAL CASH OVERHEAD COSTS \$ 364.51 \$ 24.30 NONCASH OVERHEAD COSTS (Capital Recovery) \$ 253.44 \$ 16.90 Buildings, Improvements, & Equipment \$ 1,216.80 \$ 81.12 Machinery & Vehicles \$ 1,470.24 \$ 98.02 TOTAL NONCASH OVERHEAD COSTS \$ 1,834.75 \$ 122.32 TOTAL COSTS \$ 6,480.74 \$ 432.05									
Annual Investment Insurance \$ 57.91 \$ 3.86									
Annual Investment Taxes \$ 6.60 \$ 0.44 TOTAL CASH OVERHEAD COSTS \$ 364.51 \$ 24.30 NONCASH OVERHEAD COSTS (Capital Recovery) Buildings, Improvements, & Equipment \$ 253.44 \$ 16.90 Machinery & Vehicles \$ 1,216.80 \$ 81.12 TOTAL NONCASH OVERHEAD COSTS \$ 1,470.24 \$ 98.02 TOTAL OWNERSHIP COSTS \$ 1,834.75 \$ 122.32		00							
TOTAL CASH OVERHEAD COSTS \$ 364.51 \$ 24.30 NONCASH OVERHEAD COSTS (Capital Recovery) Buildings, Improvements, & Equipment \$ 253.44 \$ 16.90 Machinery & Vehicles \$ 1,216.80 \$ 81.12 TOTAL NONCASH OVERHEAD COSTS \$ 1,470.24 \$ 98.02 TOTAL OWNERSHIP COSTS \$ 1,834.75 \$ 122.32		CE							
NONCASH OVERHEAD COSTS (Capital Recovery) Buildings, Improvements, & Equipment \$ 253.44 \$ 16.90 Machinery & Vehicles \$ 1,216.80 \$ 81.12 TOTAL NONCASH OVERHEAD COSTS \$ 1,470.24 \$ 98.02 TOTAL OWNERSHIP COSTS \$ 1,834.75 \$ 122.32 TOTAL COSTS \$ 6,480.74 \$ 432.05	Annual investment raxes				Ψ	0.00	Ψ	0.44	
Buildings, Improvements, & Equipment \$ 253.44 \$ 16.90	TOTAL CASH OVERHEAD	COSTS			\$	364.51	\$	24.30	
Buildings, Improvements, & Equipment \$ 253.44 \$ 16.90	NONCASH OVERHEAD C	OSTS (Capital Re	ecoverv)						
Machinery & Vehicles \$ 1,216.80 \$ 81.12 TOTAL NONCASH OVERHEAD COSTS \$ 1,470.24 \$ 98.02 TOTAL OWNERSHIP COSTS \$ 1,834.75 \$ 122.32 TOTAL COSTS \$ 6,480.74 \$ 432.05			,,		\$	253.44	\$	16.90	
TOTAL OWNERSHIP COSTS \$ 1,834.75 \$ 122.32 TOTAL COSTS \$ 6,480.74 \$ 432.05	Machinery & Vehicles								
TOTAL OWNERSHIP COSTS \$ 1,834.75 \$ 122.32 TOTAL COSTS \$ 6,480.74 \$ 432.05	TOTAL NONCASH OVERH	HEAD COSTS			\$	1,470.24	\$	98.02	
TOTAL COSTS \$ 6,480.74 \$ 432.05									
	TOTAL OWNERSHIP COS	STS			\$	1,834.75	\$	122.32	
NET PROJECTED RETURNS \$ 230.26 \$ 15.05	TOTAL COSTS				\$	6,480.74	\$	432.05	
	NET PRO IECTED DETIID	PNS			¢	220 26	¢	15 05	

Table 5: Barley Production Investment Summary.

										Annual							
Paradiation	D		Percentage	ъ.	b Dui	Useful Life	•	Walaa		Capital		Annual	Annual		Annual		nual Fuel
Description	Pul	rchase Price	Use	Pu	rchase Price	(Yrs)	- 58	alvage Value	-	Recovery	- 11	nsurance	Taxes	- 1	Repairs	-	& Lube
Buildings, Improvements, and Equipment																	
Land	\$ -	1,250,000.00	12%	\$	150,000.00	150.00	\$	150,000.00	\$	-	\$	-	TBD	\$	-	\$	-
Shop (30X50) & Tools	\$	10,000.00	12%	\$	1,200.00	40.00	\$	120.00	\$	27.00	\$	4.40	\$ 6.60	\$	13.20	\$	-
Implements	\$	10,000.00	12%	\$	1,200.00	15.00	\$	120.00	\$	72.00	\$	4.40	\$ -	\$	13.20	\$	-
Irrigation System (Wheel Line)	\$	13,000.00	33%	\$	4,290.00	25.00	\$	429.00	\$	154.44	\$	15.71	\$ -	\$	47.19	\$	-
Sub Total				\$	156,690.00	NA	\$	150,669.00	\$	253.44	\$	24.51	\$ 6.60	\$	73.59	\$	-
Machinery and Vehicles																	
85 HP Tractor (used)	\$	26,000.00	12%	\$	3,120.00	10.00	\$	312.00	\$	280.80	\$	11.43	\$ -	\$	120.12	\$	137.28
4-Wheeler	\$	10,000.00	12%	\$	1,200.00	5.00	\$	120.00	\$	216.00	\$	4.40	\$ -	\$	46.20	\$	52.80
3/4 Ton Pickup	\$	40,000.00	12%	\$	4,800.00	6.00	\$	480.00	\$	720.00	\$	17.58	\$ -	\$	184.80	\$	211.20
Sub Total				\$	9,120.00	NA	\$	912.00	\$	1,216.80	\$	33.41	\$ -	\$	351.12	\$	401.28
Total				\$	165,810.00	NA	\$	151,581.00	\$	1,470.24	\$	57.91	\$ 6.60	\$	424.71	\$	401.28

Table 6: Wasatch County Oat Hay Production Costs and Returns, 15 acres, 2011.

Table 6. Wasaten County	Out 11uj 11ou	action co		, -			Total	
	Total Units	Unit	rice/Cost Per Unit	C	Total ost/Value		st/Value er Acre	Your Farm
	Total offits	Oilit	 ei Oilit	-	USU V alue		el Acie	Ганн
GROSS INCOME								
Oat Hay	4.00	Ton	\$ 104.00	\$	6,240.00	\$	416.00	
TOTAL OBOOD NAME				_		_		
TOTAL GROSS INCOME				\$	6,240.00	\$	416.00	
OPERATING COSTS								
Herbicide	15.00	Acre	\$ 7.00	\$	105.00	\$	7.00	
Fertilizer	15.00	Acre	\$ 15.00	\$	225.00	\$	15.00	
Custom Chemical Application		Acre	\$ 11.00	\$	165.00	\$	11.00	
Seed	15.00	Acre	\$ 24.00	\$	360.00	\$	24.00	
Irrigation	1.00	Annual	\$ 1,000.00	\$	1,000.00	\$	66.67	
Labor	15.00	Acre	\$ 20.00	\$	300.00	\$	20.00	
Operator Labor	15.00	Acre	\$ 75.00	\$	1,125.00	\$	75.00	
Fuel & Lube	1.00	Annual	\$ 682.88	\$	682.88	\$	45.53	
Maintenance	1.00	Annual	\$ 706.31	\$	706.31	\$	47.09	
				\$		\$	5.00	
Miscellaneous	15.00	Acre	\$ 5.00	Ф	75.00	Ф	5.00	
TOTAL OPERATING COSTS				\$	4,744.19	\$	316.28	
INCOME ABOVE OPERATIN	IG COSTS			\$	1,495.81	\$	99.72	
OWNERSHIP COSTS								
CASH OVERHEAD COSTS								
Liability/Crop Insurance				\$	100.00	\$	6.67	
Accounting & Legal				\$	100.00	\$	6.67	
Office & Travel				\$	100.00	\$	6.67	
Annual Investment Insurance				\$	93.08	\$	6.21	
Annual Investment Taxes				\$	24.20	\$	1.61	
TOTAL CASH OVERHEAD C	COSTS			\$	417.28	\$	27.82	
10 I/ LE O/ LOTT OVERTILEAD O	.0010			Ψ	717.20	Ψ	21.02	
NONCASH OVERHEAD COS	STS (Capital Rec	overy)						
Buildings, Improvements, & E		-		\$	320.04	\$	21.34	
Machinery & Vehicles				\$	2,039.66	\$	135.98	
TOTAL NONCASH OVER U	AD COSTS			φ	2 250 70	Φ.	157 04	
TOTAL NONCASH OVERHEA	AD CO212			\$	2,359.70	\$	157.31	
TOTAL OWNERSHIP COSTS	3			\$	2,776.97	\$	185.13	
TOTAL COSTS				\$	7,521.16	\$	501.41	

Table 7: Oat Hay Production Investment Summary.

Description	Pu	rchase Price	Percentage Use	Pu	ırchase Price	Useful Life (Yrs)	Sa	alvage Value		Annual Capital Recovery	lr	Annual surance		Annual Taxes		Annual Repairs		nnual Fuel & Lube
Duildings Immeriance and Equipment																		
Buildings, Improvements, and Equipment	œ.	4 250 000 00	400/	ф.	450,000,00	150.00	r.	450,000,00	œ.		æ			TDD	Φ.		æ	
Land	\$,,	12%		150,000.00		\$	150,000.00			\$	-	_	TBD	\$		\$	-
Shop (30X50) & Tools	\$	10,000.00	12%		1,200.00	50.00	\$	120.00		21.60		4.40		6.60		13.20		-
Hay Barn (50X100)	\$	20,000.00	16%	\$	3,200.00	40.00	\$	320.00	\$	72.00	\$	11.72	\$	17.60	\$	35.20	\$	-
Irrigation System (Wheel Line)	\$	13,000.00	33%	\$	4,290.00	25.00	\$	429.00	\$	154.44	\$	15.71	\$	-	\$	47.19	\$	-
Implements	\$	10,000.00	12%	\$	1,200.00	15.00	\$	120.00	\$	72.00	\$	4.40	\$	-	\$	13.20	\$	-
Sub Total				\$	158,690.00	NA	\$	150,989.00	\$	320.04	\$	36.23	\$	24.20	\$	108.79	\$	_
Machinery and Vehicles																		
85 HP Tractor (used)	\$	26,000.00	12%	\$	3,120.00	10.00	\$	312.00	\$	280.80	\$	11.43	\$	-	\$	120.12	\$	137.28
Swather (used)	\$	15,000.00	16%	\$	2,400.00	7.00	\$	240.00	\$	308.57	\$	8.79	\$	-	\$	92.40	\$	105.60
Baler (32X34) (used)	\$	25,000.00	16%	\$	4,000.00	7.00	\$	400.00	\$	514.29	\$	14.65	\$	-	\$	154.00	\$	176.00
4-Wheeler	\$	10,000.00	12%	\$	1,200.00	5.00	\$	120.00	\$	216.00	\$	4.40	\$	-	\$	46.20	\$	52.80
3/4 Ton Pickup	\$	40,000.00	12%	\$	4,800.00	6.00	\$	480.00	\$	720.00	\$	17.58	\$	-	\$	184.80	\$	211.20
Sub Total				\$	15,520.00	NA	\$	1,552.00	\$	2,039.66	\$	56.85	\$	-	\$	597.52	\$	682.88
Total				\$	174,210.00	NA	\$	152,541.00	\$	2,359.70	\$	93.08	\$	24.20	\$	706.31	\$	682.88

Table 8: Wasatch County Oat Production Costs and Returns, 15 acres, 2011.

Table 8: wasatch County	Oat Froductio	n Costs and	u Ke	turns, 15 a	cre	8, 2011.		Total	
			ь	rice/Cost		Total	C	st/Value	Your
	Total Units	Unit		Per Unit	C	ost/Value		er Acre	Farm
	Total Offics	Offic		rei Oilit		USI/ Value		el Acie	Ганн
GROSS INCOME									
Oats	110.00	Bushels	\$	2.88	\$	4,752.00	\$	316.80	
Straw	2.00	Ton	\$	50.00	\$	1,500.00	\$	100.00	
TOTAL GROSS INCOME					\$	6,252.00	\$	416.80	
						-,			
OPERATING COSTS									
Insecticide	15.00	Acre	\$	-	\$	-	\$	-	
Herbicide	15.00	Acre	\$	8.00	\$	120.00	\$	8.00	
Fertilizer	15.00	Acre	\$	15.00	\$	225.00	\$	15.00	
Custom Chemical App	15.00	Acre	\$	11.00	\$	165.00	\$	11.00	
Custom Combine	15.00	Acre	\$	30.00	\$	450.00	\$	30.00	
Testing (Soil)	15.00	Acre	\$	1.00	\$	15.00	\$	1.00	
Seed	15.00	Acre	\$	20.00	\$	300.00	\$	20.00	
Irrigation	1.00	Annual	\$	1,000.00	\$	1,000.00	\$	66.67	
Labor	15.00	Acre	\$	20.00	\$	300.00	\$	20.00	
Operator Labor	15.00	Acre	\$	75.00	\$	1,125.00	\$	75.00	
Fuel & Lube	1.00	Annual	\$	401.28	\$	401.28	\$	26.75	
Maintenance	1.00	Annual	\$	424.71	\$	424.71	\$	28.31	
Miscellaneous	15.00	Acre	\$	5.00	\$	75.00	\$	5.00	
Miscellaneous	15.00	Acie	Φ	5.00	φ	73.00	φ	5.00	
TOTAL OPERATING COST	ΓS				\$	4,600.99	\$	306.73	
INCOME ABOVE OPERAT					\$	1,651.01	\$	110.07	
OWNERSHIP COSTS									
CASH OVERHEAD COSTS	3								
Liability/Crop Insurance					\$	100.00	\$	6.67	
Accounting & Legal					\$	100.00	\$	6.67	
Office & Travel					\$	100.00	\$	6.67	
Annual Investment Insurance	ce				\$	57.91	\$	3.86	
Annual Investment Taxes					\$	6.60	\$	0.44	
							-		
TOTAL CASH OVERHEAD	COSTS				\$	364.51	\$	24.30	
		,							
NONCASH OVERHEAD CO		ecovery)			_		_		
Buildings, Improvements, &	Equipment				\$	253.44	\$		
Machinery & Vehicles					\$	1,216.80	\$	81.12	
TOTAL NONCASH OVERH	IEAD COSTS				\$	1,470.24	\$	98.02	
TOTAL HONOROLL OVER	12/12/00010				Ψ	1,170.21	Ψ	00.02	
TOTAL OWNERSHIP COS	TS				\$	1,834.75	\$	122.32	
TOTAL 00070					<u></u>	0.40==:	Φ.	100.05	
TOTAL COSTS					\$	6,435.74	\$	429.05	
NET PROJECTED RETUR	NS				\$	(183.74)	\$	(12.25)	

Table 9: Oat Production Investment Summary.

Description Description	rchase Price	Percentage Use	Pu	ırchase Price	Useful Life (Yrs)	s	alvage Value	ı	Annual Capital Recovery	ı	Annual nsurance	Annual Taxes	Annual Repairs	nnual Fuel & Lube
Buildings, Improvements, and Equipment														
Land	\$ 1,250,000.00	12%	\$	150,000.00	150.00	\$	150,000.00	\$	-	\$	-	TBD	\$ -	\$ -
Shop (30X50) & Tools	\$ 10,000.00	12%	\$	1,200.00	40.00	\$	120.00	\$	27.00	\$	4.40	\$ 6.60	\$ 13.20	\$ -
Implements	\$ 10,000.00	12%	\$	1,200.00	15.00	\$	120.00	\$	72.00	\$	4.40	\$ -	\$ 13.20	\$ -
Irrigation System (Wheel Line)	\$ 13,000.00	33%	\$	4,290.00	25.00	\$	429.00	\$	154.44	\$	15.71	\$ -	\$ 47.19	\$ -
Sub Total			\$	156,690.00	NA	\$	150,669.00	\$	253.44	\$	24.51	\$ 6.60	\$ 73.59	\$ -
Machinery and Vehicles														
85 HP Tractor (used)	\$ 26,000.00	12%	\$	3,120.00	10.00	\$	312.00	\$	280.80	\$	11.43	\$ -	\$ 120.12	\$ 137.28
4-Wheeler	\$ 10,000.00	12%	\$	1,200.00	5.00	\$	120.00	\$	216.00	\$	4.40	\$ -	\$ 46.20	\$ 52.80
3/4 Ton Pickup	\$ 40,000.00	12%	\$	4,800.00	6.00	\$	480.00	\$	720.00	\$	17.58	\$ -	\$ 184.80	\$ 211.20
Sub Total			\$	9,120.00	NA	\$	912.00	\$	1,216.80	\$	33.41	\$ -	\$ 351.12	\$ 401.28
Total			\$	165,810.00	NA	\$	151,581.00	\$	1,470.24	\$	57.91	\$ 6.60	\$ 424.71	\$ 401.28