

## Morgan County Crop Production Costs and Returns, 2011

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### Introduction

Sample costs and returns to establish and produce alfalfa hay, barley, and corn (silage) under flood irrigation in Morgan 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 300 acres of land on which 160 acres are cultivated for alfalfa production, 80 acres for barley production, and 60 acres for corn silage production. The market value in 2011 was approximately \$10,000 per acre for agricultural land in Morgan County with water rights.

**Crop Pricing.** Five-year average pricing (2006-2010) for alfalfa hay is \$125/ton, barley \$3.48/bu, and corn (silage) \$34.60/ton (UDAF, 2011).

**Owner Labor.** The owner provided \$22,500 annually for the 300 acre farm, or \$75/acre.

**Hired Labor.** Hired labor is paid \$10/hr for an annual cost of \$6,000 for the 300 acre farm, or \$20/acre.



**Irrigation System.** Flood irrigation system is used for all crops.

**Cash Overhead.** Cash overhead consists of various cash expenses paid out during the year. These costs include property taxes, interest, office expenses, liability, property insurance, and 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 300 acre farm at an annual cost of \$2,000.

**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 \$2,000 for an average year for the 300 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 \$3,000 for an average year for the 300 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**

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

#### **Straight Line Depreciation Computation**

$$\left( \frac{\text{Purchase Price} - \text{Salvage Value}}{\text{Useful Life}} \right)$$

#### **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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**Table 1: Morgan County Alfalfa Hay Establishment Costs, 160 acres, 2011.**

	Total Units	Unit	Price/Cost Per Unit	Total Cost/Value	Total Cost/Value Per Acre	Your Farm
<b>OPERATING COSTS</b>						
Insecticide	160.00	Acre	\$ -	\$ -	\$ -	_____
Herbicide	160.00	Acre	\$ 20.00	\$ 3,200.00	\$ 20.00	_____
Fertilizer	160.00	Acre	\$ 60.00	\$ 9,600.00	\$ 60.00	_____
Custom Chemical App	160.00	Acre	\$ 11.00	\$ 1,760.00	\$ 11.00	_____
Testing (Soil & Forage)	1.00	Annual	\$ 12.00	\$ 12.00	\$ 0.08	_____
Irrigation	1.00	Annual	\$ 2,430.00	\$ 2,430.00	\$ 15.19	_____
Alfalfa Seed	160.00	Acre	\$ 58.50	\$ 9,360.00	\$ 58.50	_____
Labor	160.00	Acre	\$ 20.00	\$ 3,200.00	\$ 20.00	_____
Operator Labor	160.00	Acre	\$ 75.00	\$ 12,000.00	\$ 75.00	_____
Fuel & Lube	1.00	Annual	\$ 5,496.22	\$ 5,496.22	\$ 34.35	_____
Maintenance	1.00	Annual	\$ 5,297.59	\$ 5,297.59	\$ 33.11	_____
Miscellaneous	160.00	Acre	\$ 5.00	\$ 800.00	\$ 5.00	_____
<b>TOTAL OPERATING COSTS</b>				\$ 53,155.81	\$ 332.22	
<b>OWNERSHIP COSTS</b>						
<b>CASH OVERHEAD COSTS</b>						
Liability/Crop Insurance				\$ 1,080.00	\$ 6.75	_____
Accounting & Legal				\$ 1,620.00	\$ 10.13	_____
Office & Travel				\$ 1,080.00	\$ 6.75	_____
Annual Investment Insurance				\$ 620.20	\$ 3.88	_____
Annual Investment Taxes				\$ 199.65	\$ 1.25	_____
<b>TOTAL CASH OVERHEAD COSTS</b>				\$ 4,599.85	\$ 28.75	
<b>NONCASH OVERHEAD COSTS (Capital Recovery)</b>						
Buildings, Improvements, & Equipment				\$ 1,302.75	\$ 8.14	_____
Machinery & Vehicles				\$ 14,366.55	\$ 89.79	_____
<b>TOTAL NONCASH OVERHEAD COSTS</b>				\$ 15,669.30	\$ 97.93	
<b>TOTAL OWNERSHIP COSTS</b>				\$ 20,269.14	\$ 126.68	
<b>TOTAL COSTS</b>				\$ 73,424.95	\$ 458.91	
<b>YEAR ONE INCOME</b>						
Alfalfa Hay	3.50	Tons	\$ 125.00	\$ 70,000.00	\$ 437.50	
<b>TOTAL GROSS INCOME</b>				\$ 70,000.00	\$ 437.50	
<b>TOTAL ESTABLISHMENT INVESTMENT</b>				\$ 3,424.95	\$ 21.41	

**Table 2: Morgan County Alfalfa Hay Production Costs and Returns, 160 acres, 2011.**

	Total Units	Unit	Price/Cost Per Unit	Total Cost/Value	Total Cost/Value Per Acre	Your Farm
<b>GROSS INCOME</b>						
Alfalfa Hay	5.00	Tons	\$ 125.00	\$ 100,000.00	\$ 625.00	_____
<b>TOTAL GROSS INCOME</b>				\$ 100,000.00	\$ 625.00	
<b>OPERATING COSTS</b>						
Insecticide	160.00	Acre	\$ -	\$ -	\$ -	_____
Herbicide	160.00	Acre	\$ 20.00	\$ 3,200.00	\$ 20.00	_____
Fertilizer	160.00	Acre	\$ 60.00	\$ 9,600.00	\$ 60.00	_____
Custom Chemical App	160.00	Acre	\$ 11.00	\$ 1,760.00	\$ 11.00	_____
Testing (Soil & Forage)	1.00	Annual	\$ 12.00	\$ 12.00	\$ 0.08	_____
Irrigation	1.00	Annual	\$ 2,430.00	\$ 2,430.00	\$ 15.19	_____
Labor	160.00	Acre	\$ 20.00	\$ 3,200.00	\$ 20.00	_____
Operator Labor	160.00	Acre	\$ 75.00	\$ 12,000.00	\$ 75.00	_____
Fuel & Lube	1.00	Annual	\$ 5,496.22	\$ 5,496.22	\$ 34.35	_____
Maintenance	1.00	Annual	\$ 5,297.59	\$ 5,297.59	\$ 33.11	_____
Miscellaneous	160.00	Acre	\$ 5.00	\$ 800.00	\$ 5.00	_____
<b>TOTAL OPERATING COSTS</b>				\$ 43,795.81	\$ 273.72	
<b>INCOME ABOVE OPERATING COSTS</b>				\$ 56,204.20	\$ 351.28	
<b>OWNERSHIP COSTS</b>						
<b>CASH OVERHEAD COSTS</b>						
Liability/Crop Insurance				\$ 1,080.00	\$ 6.75	_____
Accounting & Legal				\$ 1,620.00	\$ 10.13	_____
Office & Travel				\$ 1,080.00	\$ 6.75	_____
Annual Investment Insurance				\$ 620.20	\$ 3.88	_____
Annual Investment Taxes				\$ 199.65	\$ 1.25	_____
<b>TOTAL CASH OVERHEAD COSTS</b>				\$ 4,599.85	\$ 28.75	
<b>NONCASH OVERHEAD COSTS (Capital Recovery)</b>						
Buildings, Improvements, & Equipment				\$ 1,873.57	\$ 11.71	_____
Machinery & Vehicles				\$ 14,366.55	\$ 89.79	_____
<b>TOTAL NONCASH OVERHEAD COSTS</b>				\$ 16,240.12	\$ 101.50	
<b>TOTAL OWNERSHIP COSTS</b>				\$ 20,839.97	\$ 130.25	
<b>TOTAL COSTS</b>				\$ 64,635.77	\$ 403.97	
<b>NET PROJECTED RETURNS</b>				\$ 35,364.23	\$ 221.03	

**Table 3: Alfalfa Hay Production Investment Summary.**

Description	Purchase Price	Percentage Use	Purchase Price	Useful Life (Yrs)	Salvage Value	Annual Capital Recovery	Annual Insurance	Annual Taxes	Annual Repairs	Annual Fuel & Lube
<b>Buildings, Improvements, and Equipment</b>										
Land	\$ 3,000,000.00	54%	\$ 1,620,000.00	150.00	\$ 1,620,000.00	\$ -	\$ -	TBD	\$ -	\$ -
Shop (30X40)	\$ 15,000.00	54%	\$ 8,100.00	40.00	\$ 810.00	\$ 182.25	\$ 29.67	\$ 44.55	\$ 89.10	\$ -
Hay Barn (40X100)	\$ 37,000.00	66%	\$ 24,420.00	40.00	\$ 2,442.00	\$ 549.45	\$ 89.45	\$ 134.31	\$ 268.62	\$ -
Barn (20X40)	\$ 7,000.00	54%	\$ 3,780.00	40.00	\$ 378.00	\$ 85.05	\$ 13.85	\$ 20.79	\$ 41.58	\$ -
Implements	\$ 15,000.00	54%	\$ 8,100.00	15.00	\$ 810.00	\$ 486.00	\$ 29.67	\$ -	\$ 89.10	\$ -
Alfalfa Establishment	\$ 3,424.95	100%	\$ 3,424.95	6.00	\$ -	\$ 570.82	\$ -	\$ -	\$ -	\$ -
Sub Total Pre-Establishment	\$ 3,074,000.00		\$ 1,664,400.00		\$ 1,624,440.00	\$ 1,302.75	\$ 162.64	\$ 199.65	\$ 488.40	\$ -
Sub Total Post-Establishment	\$ 3,077,424.95		\$ 1,667,824.95		\$ 1,624,440.00	\$ 1,873.57	\$ 162.64	\$ 199.65	\$ 488.40	\$ -
<b>Machinery and Vehicles</b>										
110 HP Tractor (used)	\$ 35,000.00	54%	\$ 18,900.00	10.00	\$ 1,890.00	\$ 1,701.00	\$ 69.23	\$ -	\$ 727.65	\$ 831.60
60 HP Tractor (used)	\$ 20,000.00	54%	\$ 10,800.00	10.00	\$ 1,080.00	\$ 972.00	\$ 39.56	\$ -	\$ 415.80	\$ 475.20
2 Ton Dump Truck (used)	\$ 30,000.00	54%	\$ 16,200.00	10.00	\$ 1,620.00	\$ 1,458.00	\$ 59.34	\$ -	\$ 623.70	\$ 712.80
Backhoe (used)	\$ 18,000.00	54%	\$ 9,720.00	10.00	\$ 972.00	\$ 874.80	\$ 35.60	\$ -	\$ 374.22	\$ 427.68
Swather (used)	\$ 10,000.00	66%	\$ 6,600.00	7.00	\$ 660.00	\$ 848.57	\$ 24.18	\$ -	\$ 254.10	\$ 290.40
Combine (used)	\$ 10,000.00	66%	\$ 6,600.00	7.00	\$ 660.00	\$ 848.57	\$ 24.18	\$ -	\$ 254.10	\$ 290.40
Baler (used)	\$ 20,000.00	66%	\$ 13,200.00	7.00	\$ 1,320.00	\$ 1,697.14	\$ 48.35	\$ -	\$ 508.20	\$ 580.80
Hydraulic Rake	\$ 15,900.00	66%	\$ 10,494.00	10.00	\$ 1,049.40	\$ 944.46	\$ 38.44	\$ -	\$ 404.02	\$ 461.74
4-Wheeler	\$ 10,000.00	54%	\$ 5,400.00	5.00	\$ 540.00	\$ 972.00	\$ 19.78	\$ -	\$ 207.90	\$ 237.60
1 Ton Pickup	\$ 50,000.00	54%	\$ 27,000.00	6.00	\$ 2,700.00	\$ 4,050.00	\$ 98.90	\$ -	\$ 1,039.50	\$ 1,188.00
Sub Total			\$ 124,914.00		\$ 12,491.40	\$ 14,366.55	\$ 457.56	\$ -	\$ 4,809.19	\$ 5,496.22
<b>Total</b>			<b>\$ 1,792,738.95</b>		<b>\$ 1,636,931.40</b>	<b>\$ 16,240.12</b>	<b>\$ 620.20</b>	<b>\$ 199.65</b>	<b>\$ 5,297.59</b>	<b>\$ 5,496.22</b>

**Table 4: Morgan County Barley Production Costs and Returns, 80 acres, 2011.**

	Total Units	Unit	Price/Cost Per Unit	Total Cost/Value	Total Cost/Value Per Acre	Your Farm
<b>GROSS INCOME</b>						
Barley	125.00	Bushels	\$ 3.48	\$ 34,800.00	\$ 435.00	_____
Straw	1.50	Ton	\$ 50.00	\$ 6,000.00	\$ 75.00	_____
<b>TOTAL GROSS INCOME</b>				<b>\$ 40,800.00</b>	<b>\$ 510.00</b>	
<b>OPERATING COSTS</b>						
Insecticide	80.00	Acre	\$ -	\$ -	\$ -	_____
Herbicide	80.00	Acre	\$ 15.00	\$ 1,200.00	\$ 15.00	_____
Fertilizer	80.00	Acre	\$ 76.00	\$ 6,080.00	\$ 76.00	_____
Custom Chemical App	80.00	Acre	\$ 11.00	\$ 880.00	\$ 11.00	_____
Testing (Soil)	1.00	Annual	\$ 12.00	\$ 12.00	\$ 0.15	_____
Seed	80.00	Acre	\$ 30.00	\$ 2,400.00	\$ 30.00	_____
Irrigation	1.00	Annual	\$ 1,215.00	\$ 1,215.00	\$ 15.19	_____
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	\$ 2,772.70	\$ 2,772.70	\$ 34.66	_____
Maintenance	1.00	Annual	\$ 2,674.39	\$ 2,674.39	\$ 33.43	_____
Miscellaneous	80.00	Acre	\$ 5.00	\$ 400.00	\$ 5.00	_____
<b>TOTAL OPERATING COSTS</b>				<b>\$ 25,234.09</b>	<b>\$ 315.43</b>	
<b>INCOME ABOVE OPERATING COSTS</b>				<b>\$ 15,565.91</b>	<b>\$ 194.57</b>	
<b>OWNERSHIP COSTS</b>						
<b>CASH OVERHEAD COSTS</b>						
Liability/Crop Insurance				\$ 541.00	\$ 6.76	_____
Accounting & Legal				\$ 810.00	\$ 10.13	_____
Office & Travel				\$ 540.00	\$ 6.75	_____
Annual Investment Insurance				\$ 313.50	\$ 3.92	_____
Annual Investment Taxes				\$ 101.86	\$ 1.27	_____
<b>TOTAL CASH OVERHEAD COSTS</b>				<b>\$ 2,306.36</b>	<b>\$ 28.83</b>	
<b>NONCASH OVERHEAD COSTS (Capital Recovery)</b>						
Buildings, Improvements, & Equipment				\$ 659.70	\$ 8.25	_____
Machinery & Vehicles				\$ 7,249.01	\$ 90.61	_____
<b>TOTAL NONCASH OVERHEAD COSTS</b>				<b>\$ 7,908.71</b>	<b>\$ 98.86</b>	
<b>TOTAL OWNERSHIP COSTS</b>				<b>\$ 10,215.07</b>	<b>\$ 127.69</b>	
<b>TOTAL COSTS</b>				<b>\$ 35,449.16</b>	<b>\$ 443.11</b>	
<b>NET PROJECTED RETURNS</b>				<b>\$ 5,350.84</b>	<b>\$ 66.89</b>	

**Table 5: Barley Production Investment Summary.**

Description	Purchase Price	Percentage Use	Purchase Price	Useful Life (Yrs)	Salvage Value	Annual Capital Recovery	Annual Insurance	Annual Taxes	Annual Repairs	Annual Fuel & Lube
<b>Buildings, Improvements, and Equipment</b>										
Land	\$ 3,000,000.00	27%	\$ 810,000.00	150.00	\$ 810,000.00	\$ -	\$ -	TBD	\$ -	\$ -
Shop (30X40)	\$ 15,000.00	27%	\$ 4,050.00	40.00	\$ 405.00	\$ 91.13	\$ 14.84	\$ 22.28	\$ 44.55	\$ -
Hay Barn (40X100)	\$ 37,000.00	34%	\$ 12,580.00	40.00	\$ 1,258.00	\$ 283.05	\$ 46.08	\$ 69.19	\$ 138.38	\$ -
Barn (20X40)	\$ 7,000.00	27%	\$ 1,890.00	40.00	\$ 189.00	\$ 42.53	\$ 6.92	\$ 10.40	\$ 20.79	\$ -
Implements	\$ 15,000.00	27%	\$ 4,050.00	15.00	\$ 405.00	\$ 243.00	\$ 14.84	\$ -	\$ 44.55	\$ -
Sub Total			\$ 832,570.00	NA	\$ 812,257.00	\$ 659.70	\$ 82.67	\$ 101.86	\$ 248.27	\$ -
<b>Machinery and Vehicles</b>										
110 HP Tractor (used)	\$ 35,000.00	27%	\$ 9,450.00	10.00	\$ 945.00	\$ 850.50	\$ 34.62	\$ -	\$ 363.83	\$ 415.80
60 HP Tractor (used)	\$ 20,000.00	27%	\$ 5,400.00	10.00	\$ 540.00	\$ 486.00	\$ 19.78	\$ -	\$ 207.90	\$ 237.60
2 Ton Dump Truck (used)	\$ 30,000.00	27%	\$ 8,100.00	10.00	\$ 810.00	\$ 729.00	\$ 29.67	\$ -	\$ 311.85	\$ 356.40
Backhoe (used)	\$ 18,000.00	27%	\$ 4,860.00	10.00	\$ 486.00	\$ 437.40	\$ 17.80	\$ -	\$ 187.11	\$ 213.84
Swather (used)	\$ 10,000.00	34%	\$ 3,400.00	7.00	\$ 340.00	\$ 437.14	\$ 12.45	\$ -	\$ 130.90	\$ 149.60
Combine (used)	\$ 10,000.00	34%	\$ 3,400.00	7.00	\$ 340.00	\$ 437.14	\$ 12.45	\$ -	\$ 130.90	\$ 149.60
Baler (used)	\$ 20,000.00	34%	\$ 6,800.00	7.00	\$ 680.00	\$ 874.29	\$ 24.91	\$ -	\$ 261.80	\$ 299.20
Hydraulic Rake	\$ 15,900.00	34%	\$ 5,406.00	10.00	\$ 540.60	\$ 486.54	\$ 19.80	\$ -	\$ 208.13	\$ 237.86
4-Wheeler	\$ 10,000.00	27%	\$ 2,700.00	5.00	\$ 270.00	\$ 486.00	\$ 9.89	\$ -	\$ 103.95	\$ 118.80
1 Ton Pickup	\$ 50,000.00	27%	\$ 13,500.00	6.00	\$ 1,350.00	\$ 2,025.00	\$ 49.45	\$ -	\$ 519.75	\$ 594.00
Sub Total			\$ 63,016.00	NA	\$ 6,301.60	\$ 7,249.01	\$ 230.83	\$ -	\$ 2,426.12	\$ 2,772.70
<b>Total</b>			<b>\$ 895,586.00</b>	<b>NA</b>	<b>\$ 818,558.60</b>	<b>\$ 7,908.71</b>	<b>\$ 313.50</b>	<b>\$ 101.86</b>	<b>\$ 2,674.39</b>	<b>\$ 2,772.70</b>

**Table 6: Morgan County Corn (Silage) Production Costs and Returns, 60 acres, 2011.**

	Total Units	Unit	Price/Cost Per Unit	Total Cost/Value	Total Cost/Value Per Acre	Your Farm
<b>GROSS INCOME</b>						
Corn Silage	25.00	Tons	\$ 34.60	\$ 51,900.00	\$ 865.00	_____
<b>TOTAL GROSS INCOME</b>				<b>\$ 51,900.00</b>	<b>\$ 865.00</b>	
<b>OPERATING COSTS</b>						
Insecticide	60.00	Acre	\$ -	\$ -	\$ -	_____
Herbicide	60.00	Acre	\$ 15.00	\$ 900.00	\$ 15.00	_____
Fertilizer	60.00	Acre	\$ 120.00	\$ 7,200.00	\$ 120.00	_____
Custom Chemical App	60.00	Acre	\$ 11.00	\$ 660.00	\$ 11.00	_____
Custom Chop	60.00	Acre	\$ 325.00	\$ 19,500.00	\$ 325.00	_____
Testing (Soil)	1.00	Annual	\$ 12.00	\$ 12.00	\$ 0.20	_____
Seed	60.00	Acre	\$ 90.00	\$ 5,400.00	\$ 90.00	_____
Irrigation	1.00	Annual	\$ 900.00	\$ 900.00	\$ 15.00	_____
Labor	60.00	Acre	\$ 20.00	\$ 1,200.00	\$ 20.00	_____
Operator Labor	60.00	Acre	\$ 75.00	\$ 4,500.00	\$ 75.00	_____
Fuel & Lube	1.00	Annual	\$ 1,434.40	\$ 1,434.40	\$ 23.91	_____
Maintenance	1.00	Annual	\$ 2,186.50	\$ 2,186.50	\$ 36.44	_____
Miscellaneous	60.00	Acre	\$ 5.00	\$ 300.00	\$ 5.00	_____
<b>TOTAL OPERATING COSTS</b>				<b>\$ 44,192.90</b>	<b>\$ 736.55</b>	
<b>INCOME ABOVE OPERATING COSTS</b>				<b>\$ 7,707.10</b>	<b>\$ 128.45</b>	
<b>OWNERSHIP COSTS</b>						
<b>CASH OVERHEAD COSTS</b>						
Liability/Crop Insurance				\$ 400.00	\$ 6.67	_____
Accounting & Legal				\$ 600.00	\$ 10.00	_____
Office & Travel				\$ 400.00	\$ 6.67	_____
Annual Investment Insurance				\$ 429.57	\$ 7.16	_____
Annual Investment Taxes				\$ 449.20	\$ 7.49	_____
<b>TOTAL CASH OVERHEAD COSTS</b>				<b>\$ 2,278.77</b>	<b>\$ 37.98</b>	
<b>NONCASH OVERHEAD COSTS (Capital Recovery)</b>						
Buildings, Improvements, & Equipment				\$ 1,979.00	\$ 32.98	_____
Machinery & Vehicles				\$ 3,714.00	\$ 61.90	_____
<b>TOTAL NONCASH OVERHEAD COSTS</b>				<b>\$ 5,693.00</b>	<b>\$ 94.88</b>	
<b>TOTAL OWNERSHIP COSTS</b>				<b>\$ 7,971.77</b>	<b>\$ 132.86</b>	
<b>TOTAL COSTS</b>				<b>\$ 52,164.67</b>	<b>\$ 869.41</b>	
<b>NET PROJECTED RETURNS</b>				<b>\$ (264.67)</b>	<b>\$ (4.41)</b>	



**Table 7: Corn (Silage) Investment Summary.**

Description	Purchase Price	Percentage Use	Purchase Price	Useful Life (Yrs)	Salvage Value	Annual Capital Recovery	Annual Insurance	Annual Taxes	Annual Repairs	Annual Fuel & Lube
<b>Buildings, Improvements, and Equipment</b>										
Land	\$ 3,000,000.00	20%	\$ 600,000.00	150.00	\$ 600,000.00	\$ -	\$ -	TBD	\$ -	\$ -
Shop (30X40)	\$ 15,000.00	20%	\$ 3,000.00	40.00	\$ 300.00	\$ 67.50	\$ 10.99	\$ 16.50	\$ 33.00	\$ -
Barn (20X40)	\$ 7,000.00	20%	\$ 1,400.00	40.00	\$ 140.00	\$ 31.50	\$ 5.13	\$ 7.70	\$ 15.40	\$ -
Silage Pit (60X150X12)	\$ 85,000.00	100%	\$ 85,000.00	50.00	\$ -	\$ 1,700.00	\$ 283.05	\$ 425.00	\$ 850.00	\$ -
Implements	\$ 15,000.00	20%	\$ 3,000.00	15.00	\$ 300.00	\$ 180.00	\$ 10.99	\$ -	\$ 33.00	\$ -
Sub Total			\$ 692,400.00	NA	\$ 600,740.00	\$ 1,979.00	\$ 310.16	\$ 449.20	\$ 931.40	\$ -
<b>Machinery and Vehicles</b>										
110 HP Tractor (used)	\$ 35,000.00	20%	\$ 7,000.00	10.00	\$ 700.00	\$ 630.00	\$ 25.64	\$ -	\$ 269.50	\$ 308.00
60 HP Tractor (used)	\$ 20,000.00	20%	\$ 4,000.00	10.00	\$ 400.00	\$ 360.00	\$ 14.65	\$ -	\$ 154.00	\$ 176.00
2 Ton Dump Truck (used)	\$ 30,000.00	20%	\$ 6,000.00	10.00	\$ 600.00	\$ 540.00	\$ 21.98	\$ -	\$ 231.00	\$ 264.00
Backhoe (used)	\$ 18,000.00	20%	\$ 3,600.00	10.00	\$ 360.00	\$ 324.00	\$ 13.19	\$ -	\$ 138.60	\$ 158.40
4-Wheeler	\$ 10,000.00	20%	\$ 2,000.00	5.00	\$ 200.00	\$ 360.00	\$ 7.33	\$ -	\$ 77.00	\$ 88.00
1 Ton Pickup	\$ 50,000.00	20%	\$ 10,000.00	6.00	\$ 1,000.00	\$ 1,500.00	\$ 36.63	\$ -	\$ 385.00	\$ 440.00
Sub Total			\$ 32,600.00	NA	\$ 3,260.00	\$ 3,714.00	\$ 119.41	\$ -	\$ 1,255.10	\$ 1,434.40
<b>Total</b>			<b>\$ 725,000.00</b>	<b>NA</b>	<b>\$ 604,000.00</b>	<b>\$ 5,693.00</b>	<b>\$ 429.57</b>	<b>\$ 449.20</b>	<b>\$ 2,186.50</b>	<b>\$ 1,434.40</b>