

# **Supporting Information**

## **Exam II**

**Econ 330**

**Fall 2007**

4  
3

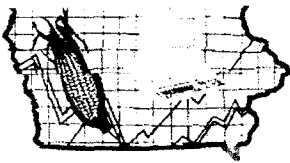
Corn Silage following Corn

		15 tons per acre	
		Fixed	Variable
<b>Preharvest Machinery 1/</b>		\$20.05	\$11.27
<b>Seed, Chemical, etc.</b>	Units		
Seed @ \$1.00 per 1000 k.	23,000		\$23.00
Nitrogen @\$0.25 per lb. (pound)	140		35.00
Phosphate @\$0.28 per lb. (pound)	55		15.40
Potash @\$0.15 per lb. (pound)	120		18.00
Lime (yearly cost)			8.00
Herbicide			32.00
Insecticide			15.00
Crop Insurance			7.00
Miscellaneous			6.00
Interest on preharvest variable costs (8 months @ 6%)			6.83
<b>Total</b>			<b>\$166.23</b>
<b>Harvest Machinery</b>			
Silage Harvester		\$28.52	\$11.34
Haul		14.67	8.41
Blower		10.92	6.59
<b>Total</b>		<b>\$54.11</b>	<b>\$26.34</b>
<b>Labor</b>			
5.0 hours @ \$9.5		\$47.50	
<b>Land</b>			
Cash rent equivalent		\$115.00	
<b>Total fixed, variable</b>			
Per acre		\$236.65	\$203.84
Per ton			
<b>Total cost per acre</b>		<b>\$440.50</b>	
<b>Total cost per ton</b>			

1/Chisel plow, tandem disk, apply N, field cultivate, plant, cultivate, and spray. See the Estimated Machinery Costs table.

## FINISHING STEER CALVES -- One Head

	Corn and Hay Ration		
	Total	Cash	
<b>INCOME</b>			
Sales income (1,150 lbs @ \$_____)	\$_____	\$_____	
Minus death loss (-1.00% of sales)	-\$_____	-\$_____	
<b>GROSS INCOME</b>	\$_____	\$_____	
<b>VARIABLE COSTS</b>			
Feeder Cost @ \$0.95 per lb	550 lbs	\$522.50	\$522.50
Interest @ 6.5%	230 days	21.40	21.40
<b>Feed Costs</b>			
Corn @ \$2.40 per bushel	61 bu	\$146.40	\$0.00
Supplement & minerals @ \$0.16 per lb	75 lbs	12.00	12.00
Supplement & minerals @ \$0.08 per lb	116 lbs	9.28	9.28
Alfalfa - brome hay @ \$52.00 per ton	tons	33.80	0.00
Corn Silage @ \$22.00 per ton		0.00	0.00
<b>Total Feed Costs</b>		\$201.48	\$21.28
Veterinary and health		\$10.00	\$10.00
Machinery and equipment		11.00	11.00
Marketing and miscellaneous		14.00	14.00
Interest on feed & other costs @ 6.5%	115 days	4.84	0.00
Labor @ \$9.00 per hour	3 hours	27.00	0.00
<b>TOTAL VARIABLE COSTS</b>		\$812.22	\$600.18
<b>FIXED COSTS</b>			
Machinery, equipment, housing		\$21.00	\$2.10
<b>TOTAL ALL COSTS</b>		\$833.22	\$602.28
<b>INCOME OVER ALL COSTS</b>		\$_____	\$_____
Break-even selling price for variable costs			
Break-even selling price for all costs			



# FINANCIAL ANALYSIS DATA

IOWA STATEWIDE

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2005 Production Year

Farm:

Run Date: 4/27/2006

Iowa Farm Business Association

Operator(s)

330 Acres

*Current*

218			
219	Number of Farms		1
220	Feeding Livestock	\$	
221	Corn	\$	140,056
222	Beans	\$	100,700
223	Other Feedstuffs	\$	8,400
224	Prepaid Expense & Supplies	\$	204,491
225	Farm <del>Short Term</del> Assets	\$	453,647
226	Breeding Livestock	\$	
227	Mach & Equip Value	\$	361,174
228	Farm Intermediate Assets	\$	361,174
229	Bare Land Value	\$	1,124,489
230	Improvement Econ Value	\$	74,768
231	Total Farm Assets	\$	2,014,078
232	Operator Notes		314,375
233	Accrued Accts Payable	\$	
234	Int & Long Term Due in 12 Mo	\$	2
235	CCC Loans	\$	
236	<del>Short Term</del> Liabilities	\$	314,377
237	Intermediate Notes	\$	28,999
238	Long Term Land & Imprv Notes	\$	98,410
239	Total Farm Liabilities	\$	441,786
240	Net Farm Worth	\$	1,572,292

*Current*