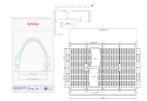
Facility Assessment



Genera	al Inputs						Facility T	ype Inputs	
						Facility Description	Open lot Wind Break	Confinement Bedded	Confinement
						Number of head	1000	1000	1000
						Investment for facility			
Feeder Ca	lf Wt	7	50			Initial investment per head	\$ 400.00	\$ 800.00	\$ 1,200.00
Feeder Ca	If Cost \$/Ib	\$ 1.8	30			Tax & Insurance (% of original investment)	2%	2%	2%
Finished V	۷t	14	50			Est. Maintenance % of original investment	1%	1%	1%
Finished V	alue \$/lb	\$ 1.0	00			Land area required for facility (acres)	20	5	5
						Financing for facility			
F	Ration Cost (\$/ ton I	DM)	\$	168.00		% Borrowed direct from lender	80%	80%	80%
						Note Length (years)	20	20	20
	et med and healt					Interest Rate (%)	6%	6%	6%
	Cost (\$/ treatment	t) minor	\$	40.00		Additional cost share or low interest loans			
	Cost (\$/ treatment		\$	60.00		% of investment cost shared	0%	0%	0%
	Realizer/Poor Doe	r Value		50%		% cost share	0%	0%	0%
						% of investment on low interest loan	0%	0%	0%
						Note Length (years) for low interest loan	5	5	5
		% of nutr	ient av	vailable for	crop	Interest Rate (%) for low interest loan	0%	0%	0%
Nutrients	\$/lb. nutrient	Facilty 1	Fa		acilty 3				
	\$ 0.50	5	0%	50%		Depreciation or years of life			
P205	\$ 0.55	10	0%	100%	100%	Depreciable years of life	30	30	30
K2O	\$ -	10	0%	100%	100%	Salvage value of facility % of original cost	0%	0%	0%
						Performance and Health			
						Occupancy (%)	100%	100%	100%
						Avg. Daily Gain	3.25	3.35	3.75
						Pounds DM Feed per Pound Gain	7.2	6.85	6.5
	Bedding Cost (\$/ tor	1)	\$	40.00		Feed intake lbs DM per hd per day	23.4	22.9	24.4
						Medical Treatments-minor %	10%	10%	10%
						Medical Treatments-serious %	5%	5%	5%
ı	abor					Realizer& Poor Doers %	1%	1%	1%
	Charge (\$/hour)		\$	15.00		Mortality %	1%	1%	1%
						Adjusted Avg. Daily Gain	3.20125	3.29975	3.69375
						Adjusted DM Feed per Gain	7.3096447	6.954315	6.5989848

IOWA STATE UNIVERSITY Extension and Outreach Iowa Beef Center

Facility Assessment



	Facility Type Inputs							
Facility Description		en lot nd Break		nfinement dded		nfinement t with mat		
Manure quantity, nutrient concentration and value		_	_	_	_			
Manure (tons or 1000 gallons) per head annual		3.00		5.00		2.50		
Manure (tons or gallons) total annual		3.000		5.000		2,500		
- manure - Nitrogen lbs per ton or 1000 gallon		15		18		45		
- manure - Phosphorusibs per ton or 1000 gallon		8		11		24		
- manure - Potassium lbs per ton or 1000 gallon		11		14		36		
Other non feed factors								
Bedding (Pounds / Head-Day)		2.00		10.00		0.00		
Labor -processing, sorting, etc (hours/group/turn)		10.00		10.00		10.00		
Labor -daily care (hours/group/day)		2.60		2.60		2.60		
Labor - cleaning and bedding hours/group/week		4.00		4.00		0.00		
Labor - manure application hours/per facility/year		70.00		70.00		80.00		
Custom manure application charge per year		0.00		0.00		0.00		
Total labor hours per turn per head		0.77		0.75		0.58		
Equipment operation/head/turn	\$	10.00	\$	10.00	\$	20.00		
Equipment ownership/head/year	\$	20.00	\$	20.00	\$	20.00		
Vet/Med in addition to treatment per hd per turn	\$	25.00	\$	25.00	\$	25.00		
Misc charges trucking, marketing etc/ head/turn	\$	15.00	\$	15.00	\$	15.00		
Rental rate per acre for land for facility	\$	250.00	\$	250.00	\$	250.00		
Investment for additional feed storage or equipmen	n							
Feeding equipment (total \$)	#	######	#	######	#1	*******		
Manure / Dirt Handling equipment (total \$)	#	######	#	######	#1	*******		
Bedding equipment. (total \$)	\$		#	*****	\$			
Cattle Handling equipment(total \$)	#	######	#	######	#1	*******		
Feed storage total \$	\$	100,000	\$	100,000	\$	100,000		
Insurance (% of original investment)		1%		1%		1%		
Tax on feed storage only (% of original investment)		1%		1%		1%		
Finance additional feed storage or equipment								
% Borrowed Money \$		100%		100%		100%		
Note Length (years)		5		5		5		
Interest Rate (%)		5%		5%		5%		
Days on feed and turns per year								
Days on Feed / turn		218.66		212.14		189.51		
Days facility full per year		365.00		365.00		365.00		
Turns (over year span)		1.67		1.72		1.93		
Custom feeding charge per head per day								
Custom feeding charge per head per day	\$	0.35	\$	0.40	\$	0.50		
Feed mark up		1500%		1500%		1500%		
% of capacity custom fed		100%		100%		100%		

IOWA STATE UNIVERSITY Extension and Outreach Iowa Beef Center

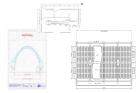
Facility Assessment



acility Description		Open lot Wind Break		Confinement Bedded		Confinement		
Number of head		1,000.00		1,000.00		1,000.00		
Investment for facility								
Total Initial Investment \$	\$.	400,000.00	\$1	800,000.00	#	*********		
Estimated Tax & Insurance Annual \$	\$	6,000.00	\$	12,000.00	\$	24,000.00		
Est. Maintenance Average annual \$	\$	4,000.00	\$	8,000.00	\$	12,000.00		
Annual facility charges								
Principal payment per year	\$	8,699.06	\$	17,398.12	\$	26,097.17		
Interest payment per year	\$	18,240.00	\$	36,480.00	\$	54,720.00		
Owner equity needed	\$	80,000.00	\$:	160,000.00	\$:	240,000.00		
Opportunity cost of owner equity	\$	4,560.00	\$	9,120.00	\$	13,680.00		
Depriciation per year	\$	13,333.33	\$	26,666.67	\$	40,000.00		
Principal and interest payment per head	\$	16.14	\$	31.31	\$	41.96		
Annual/hd depreciation, oppurtunity cost, and interest	\$	21.65	\$	42.00	\$	56.28		
Annual land charge for facility	\$	5,000.00	\$	1,250.00	\$	1,250.00		
Performance and Health								
Feed intake lbs DM per hd per day		23.40		22.95		24.38		
Pay to Pay Avg. Daily Gain		3.20		3.30		3.69		
Pay to Pay DM Feed per Gain		7.31		6.95		6.60		
Manure quantity, nutrient concentration and value								
Manure (tons or gallons) total annual		3000.00		5000.00		2500.00		
Total manure value	\$	24,450.00	\$	52,750.00	\$	61,125.00		
Manure application cost total	\$	6,519.62	\$	6,519.62	\$	8,669.62		
Manure application cost ton or per gallon	\$	2.17	\$	1.30	\$	3.47		

IOWA STATE UNIVERSITY Extension and Outreach Iowa Beef Center

Facility Assessment



Facility Description	Open lot Wind Break			Confinement Bedded		Confinement slat with mats		
Other non feed factors								
Bedding (tons) annually		365		1825		(
Bedding cost annually	\$	14,600.00	\$	73,000.00	\$	-		
Bedding cost per head space per year Labor	\$	14.60	\$	73.00	\$	-		
Total labor hours		1291		1295		1122		
Total labor hours per head space		1.29		1.30		1.12		
Total labor hours per turn per head		0.77		0.75		0.58		
Total labor charge	\$	19,366.64	\$	19,428.27	\$	16,835.14		
Custom manure application charge	\$	-	\$	-	\$			
Interest on feed and feeder cattle purchases								
Interest on feed	\$	-	\$	-	\$			
Interest on cattle	\$	-	\$	-	\$	-		
Investment for additional feed storage or equipment								
Total additional investment		180,000.00		90,000.00		180,000.00		
Additional taxes and insurance	\$	2,800.00	\$	2,900.00	\$	2,800.00		
Per head per year charge	\$	24.91	\$	25.51	\$	21.59		
Finance additional feed storage or equipmen								
Annual payment	\$	41,575.46		43,885.21	\$	41,575.46		
Cash or owner equity	\$	-	\$	-	\$	-		
Cost per lb. of qain comparison								
Total Cost (\$ / Ib. Gain)	ş	0.82	ş	0.87	\$	0.81		
Feed Cost (\$ / Ib. Gain)	\$	0.61	\$	0.58	\$	0.55		
Non feed variable cost (\$/lb. gain	\$	0.11	\$	0.16	\$	0.11		
Non feed fixed cost (\$/lb. gain	\$	0.10	\$	0.13	\$	0.15		
Manure value (\$/ lb. gain)	\$	0.02	\$	0.04	\$	0.05		
Total Cost (\$/lb. gain) with manure credit	\$	0.80	\$	0.83	\$	0.77		
Breakeven comparison								
Breakeven finished price with manure credit	\$	1.34	\$	1.35	\$	1.32		
Breakeven finished price without manure credit	\$	1.34	\$	1.37	\$	1.34		
Yardage and custom feeding								
Yardage per head per day	\$	0.45	\$	0.73	\$	0.72		