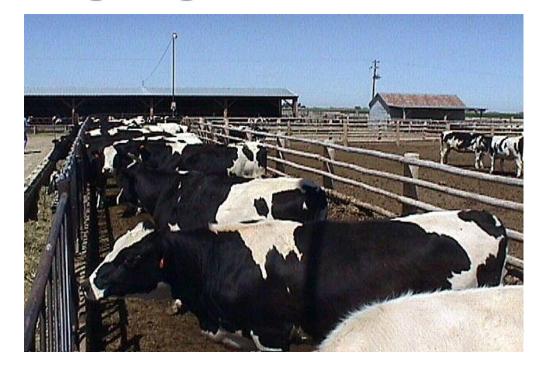
University of Idaho College of Agricultural and Life Sciences



EBB-D5-10 Costs and Returns for a 5000-Head Open Lot Dairy in Southern Idaho

Kathleen Painter and C. Wilson Gray¹

Budget spreadsheets are available at the following link: <u>http://www.cals.uidaho.edu/aers/r_livestock.htm</u>

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Summary of Annual Costs and Returns for Operating a 5,000-Head Open Lot Dairy in Southern Idaho, 2010 (\$/head/year)

	Value/Head/Year
Annual Milk Production (cwt/head)	249.15
Milk Price (\$/cwt)	\$14.50
Annual Milk Revenue (\$/head/year)	\$3,613
Total Revenue (\$/head/year)	\$3,848
Annual Feed Costs (\$/head/year)	\$1,744
Total Variable Costs (\$/head/year)	\$3,237
Fixed Costs (\$/head/year)	\$471
Total Costs (\$/head/year)	\$3,708
Returns over Variable Costs (\$/head/year)	\$612
Returns over Total Costs (\$/head/year)	\$141

Change values in red on current page and they will be updated throughout the spreadsheet.

Item	Per Head Cost		Cost/Dairy	Cost/Head/Yr	Cost/Cwt
Income:			\$19,242,375	\$3,848.48	\$15.45
Milk (cwt/head)	249.15	\$14.50	\$18,063,375.00	\$3,612.68	\$14.50
Bull Calves (head)	0.51	\$35.00	\$89,250.00	\$17.85	\$0.07
Heifer Calves (head)	0.51	\$135.00	\$344,250.00	\$68.85	\$0.28
Cull Cows (head)	0.30	\$497.00	\$745,500.00	\$149.10	\$0.60
<u>Operating Costs:</u> Feed (ton/head/yr):			\$8,717,755.43	\$1,743.55	\$7.00
Alfalfa hay, dairy	2.27	\$153.00	\$1,737,177.54	\$347.44	\$1.39
Feeder hay	0.69	\$115.00	\$398,704.10	\$79.74	\$0.32
Close-up hay	0.07	\$136.00	\$45,368.75	\$9.07	\$0.04
Straw	0.07	\$55.00	\$19,658.20	\$3.93	\$0.02
Corn silage (32%DM)	5.87	\$35.00	\$1,027,301.95	\$205.46	\$0.82
Beet pulp	0.48	\$130.00	\$310,694.92	\$62.14	\$0.25

\$192.00

\$173.00

\$245.00

\$165.00

\$260.00

\$155.00

\$875.00

\$515.00

\$1,284.00

\$850.00

Table 1: Annual Enterprise Budget for a 5,000-Head Open Lot Dairy in Southern Idaho

Price or

Value or

\$1,699,841.25

\$680,522.91

\$681,392.64

\$232,681.64

\$72,973.63

\$449,136.33

\$38,244.14

\$45,368.75

\$1,045,768.75

\$0.00

Value or

\$339.97

\$136.10

\$136.28

\$209.15

\$46.54

\$14.59

\$89.83

\$7.65

\$9.07

\$0.00

Value or

\$1.36

\$0.00

\$0.55

\$0.55

\$0.84

\$0.19

\$0.06

\$0.36

\$0.03

\$0.04

Quantity

1.77

0.00

0.56

0.83

0.80

0.30

0.02

0.17

0.01

0.01

Bypass fat	0.05	\$850.00	\$232,919.92	\$46.58	\$0.19
Other costs:		\$7,465,000.00	\$1,510.95	\$5.99	
Labor, including fringe costs	1.00	\$359.00	\$1,795,000.00	\$376.95	\$1.44
Herd replacement costs	1.00	\$287.00	\$1,435,000.00	\$287.00	\$1.15
Veterinary, breeding, testing	1.00	\$87.00	\$435,000.00	\$87.00	\$0.35
Supplies	1.00	\$171.00	\$855,000.00	\$171.00	\$0.69
Repairs and maintenance	1.00	\$147.00	\$735,000.00	\$147.00	\$0.59
Utilities	1.00	\$54.00	\$270,000.00	\$54.00	\$0.22
Milk hauling	1.00	\$61.00	\$305,000.00	\$61.00	\$0.24
State & association charges	1.00	\$50.00	\$250,000.00	\$50.00	\$0.20
Miscellaneous (fuel, insur., etc.)	1.00	\$160.00	\$800,000.00	\$160.00	\$0.64
Interest	1.00	\$117.00	\$585,000.00	\$117.00	\$0.47
Total Operating Costs			\$16,182,755.43	\$3,236.55	\$12.99
Net Returns Above Variable Costs			\$3,059,619.57	\$611.92	\$2.46
Fixed Costs:					
Capital recovery costs*	1.00	\$471.41	\$2,357,057.96	\$471.41	\$1.89
Insurance*	1.00	\$36,797.01	\$36,797.01	\$7.36	\$0.03
Overhead (2.5% Oper Costs)	1.00	\$404,568.89	\$404,568.89	\$80.91	\$0.32
*See Table 2.			\$0.00	\$0.00	\$0.00
Total Fixed Costs		\$2,798,423.86	\$559.68	\$2.25	
Total Costs (Operating and Fixed)		\$18,981,179.29	\$3,796.24	\$15.24	
Net Returns Above Total Costs			\$261,195.71	\$52.24	\$0.21

Corn

Barley

Canola

Distillers

Cottonseed

Mineral, fresh cows Mineral, lactating cows

Mineral, dry cows

Mineral, close-up cows

Molasses

Breakeven Price and Yield

The first breakeven analysis below presents breakeven milk prices (\$/cwt) that will cover operating costs, ownership costs, and total costs for the base yield in the enterprise budget above, as well as for milk yields that are 10% above and below the base yield. The second breakeven analysis below presents breakeven yields that will cover operating costs, ownership costs, and total costs for the base price in the enterprise budget above, as well as for milk prices that are 10% above and below the base yield. In the spreadsheet version (Excel) of this budget, the percentages in the orange cells can be changed and all values will be updated. Costs, prices, and yields in this breakeven table are all linked to values in the budget above, so any changes in the budgets will be automatically updated in these breakeven analyses.

Breakeven Milk Prices (\$/cwt):										
	Base									
	Less:	Yield	Plus:							
	10%	(cwt/hd/yr):	10%							
	224.2	249.15	274.1							
Operating Cost Breakeven	\$14.43	\$12.99	\$11.81							
Ownership Cost Breakeven	\$2.50	\$2.25	\$2.04							
Total Cost Breakeven	\$16.93	\$15.24	\$13.85							

Breakeven Yields (cwt/hd/year):

	Less: 10% 13.1	Base Price (\$/cwt): 14.5	Plus: 10% 16.0
Operating Cost Breakeven	248.0	223.2	202.9
Ownership Cost Breakeven	42.9	38.6	35.1
Total Cost Breakeven	290.9	261.8	238.0

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02-11 (new)

Table 2. Capital Costs	for a 5,000-Head	Open Lot Dairy	in Southern Idaho
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Item	Quantity Per Dairy	Unit	Price or Cost	Value or Cost
Initial Capital Outlays:				
Cattle:				\$6,125,000
nitial cow purchase	5000	hd	\$1,225	\$6,125,000
and:				\$3,950,000
Land purchase	300	ас	\$4,000	\$3,930,000 \$1,200,000
Site Prep: Permits, well, roads	5000	hd	\$550	\$2,750,000
Feeding Facilities:		-		\$526,000
Scales	1	farm	\$100,000	\$100,000
Commodity shed, 14 bays Hay sheds (180' x 50')	1 4	farm farm	\$210,000 \$54,000	\$210,000 \$216,000
	4	Idiiii	\$54,000	\$210,000
Vilking Barn				\$2,064,000
Buildings	8000	sq ft	\$60	\$480,000
2 double 36 parallel stalls	144	stall	\$11,000	\$1,584,000
Onen Lots				\$3 025 000
Open Lots Sheds, 400 sq ft per cow	5,000	head	\$425	\$3,025,000 \$2,125,000
Shades: 40 sq ft per cow	200,000	sq ft	\$4.50	\$900,000
		·		
Hospital Barn				\$390,000
Building	2100	sq ft	\$60	\$126,000
Double 12 parallel stalls	24	stall	\$11,000	\$264,000
Machinery, 5000-cow facility:				\$1,406,503
Generator	2	farm	\$75,000	\$150,000
Farm pickups, new	1	farm	\$40,000	\$40,000
Farm pickups, used	2 2	farm	\$20,000	\$40,000
4-wheelers 10-wheel truck (manure removal)	2	farm farm	\$6,000 \$60,000	\$12,000 \$120,000
Tractor-125 HP	1	farm	\$95,000	\$120,000 \$95,000
Tractor-75 HP	1	farm	\$55,000	\$55,000
Tractor-60 HP	1	farm	\$41,000	\$41,000
Straw Spreader	2	farm	\$35,000	\$70,000
Loaders, new	1	farm	\$147,000	\$147,000
Loaders, used	2	farm	\$74,000	\$148,000
Skid steer loader	2	farm	\$35,000	\$70,000
Telehandler loader Semis, with feedbox mixers, new	1	farm farm	\$50,000 \$125,000	\$50,000 \$125,000
Semis, with feedbox mixers, used	1	farm	\$65,000	\$65,000
Dump truck	2	farm	\$16,188	\$32,376
vacuum tank	1	farm	\$64,500	\$64,500
Backhoe	1	farm	\$45,000	\$45,000
Boxscraper	1	farm	\$3,000	\$3,000
Brush hog, 10'	1	farm	\$9,127	\$9,127
Gooseneck trailer, 28'	1	farm farm	\$24,500	\$24,500 \$60,000
Viscellaneous	1	iaiiii	\$60,000	\$60,000
nsurance:	1	form	620.025	\$36,797
nsur., facilities @ \$5 per \$1,000 nsur., machinery, @ \$4 per \$1,000	1	farm farm	\$30,025 \$5,626.01	\$30,025 \$5,626
Liability Insur. (\$1 million coverage)	1	farm	\$5,626.01 \$1,146	\$5,626
	-		÷ 1) 1 10	
Fotal Capital Costs Capital Costs per Head				\$17,583,300 \$3,517
Average Capital Costs (Purchase - Salva Average Capital Costs per Head	ge Value)/2			\$8,846,178 \$1,769
Total Capital Recovery Costs				\$2,357,058
Capital Recovery Costs per Head				\$471

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Production:					-								
Milk	\$1,313,437	\$1,313,437	\$1,313,437	\$1,313,437	\$1,313,437	\$1,313,437	\$1,313,437	\$1,313,437	\$1,313,437	\$1,313,437	\$1,313,437	\$1,313,437	\$15,761,244
Bull Calves	\$3,943	\$3,943	\$3,943	\$3,943	\$3,943	\$3,943	\$3,943	\$3,943	\$3,943	\$3,943	\$3,943	\$3,943	\$47,316
Heifer Calves	\$14,646	\$14,646	\$14,646	\$14,646	\$14,646	\$14,646	\$14,646	\$14,646	\$14,646	\$14,646	\$14,646	\$14,646	\$175,752
Cull Cows	\$11,746	\$11,746	\$11,746	\$11,746	\$11,746	\$11,746	\$11,746	\$11,746	\$11,746	\$11,746	\$11,746	\$11,746	\$140,952
Total Receipts	\$1,343,772	\$1,343,772	\$1,343,772	\$1,343,772	\$1,343,772	\$1,343,772	\$1,343,772	\$1,343,772	\$1,343,772	\$1,343,772	\$1,343,772	\$1,343,772	\$16,125,264
Operating Inputs:													
Alfalfa hay, dairy	\$141,687	\$141,687	\$141,687	\$141,687	\$141,687	\$141,687	\$141,687	\$141,687	\$141,687	\$141,687	\$141,687	\$141,687	\$1,700,244
Feeder hay	\$24,491	\$24,491	\$24,491	\$24,491	\$24,491	\$24,491	\$24,491	\$24,491	\$24,491	\$24,491	\$24,491	\$24,491	\$293,892
Close-up hay	\$3,326	\$3,326	\$3,326	\$3,326	\$3,326	\$3,326	\$3,326	\$3,326	\$3,326	\$3,326	\$3,326	\$3,326	\$39,912
Straw	\$1,634	\$1,634	\$1,634	\$1,634	\$1,634	\$1,634	\$1,634	\$1,634	\$1,634	\$1,634	\$1,634	\$1,634	\$19,608
Corn silage (32%DM)	\$88,563	\$88,563	\$88,563	\$88,563	\$88,563	\$88,563	\$88,563	\$88,563	\$88,563	\$88,563	\$88,563	\$88,563	\$1,062,756
Beet pulp	\$23,169	\$23,169	\$23,169	\$23,169	\$23,169	\$23,169	\$23,169	\$23,169	\$23,169	\$23,169	\$23,169	\$23,169	\$278,028
Corn	\$129,859	\$129,859	\$129,859	\$129,859	\$129,859	\$129,859	\$129,859	\$129,859	\$129,859	\$129,859	\$129,859	\$129,859	\$1,558,308
Barley													
Canola	\$42,826	\$42,826	\$42,826	\$42,826	\$42,826	\$42,826	\$42,826	\$42,826	\$42,826	\$42,826	\$42,826	\$42,826	\$513,912
Distillers	\$56,202	\$56,202	\$56,202	\$56,202	\$56,202	\$56,202	\$56,202	\$56,202	\$56,202	\$56,202	\$56,202	\$56,202	\$674,424
Cottonseed	\$88,041	\$88,041	\$88,041	\$88,041	\$88,041	\$88,041	\$88,041	\$88,041	\$88,041	\$88,041	\$88,041	\$88,041	\$1,056,492
Molasses	\$19,338	\$19,338	\$19,338	\$19,338	\$19,338	\$19,338	\$19,338	\$19,338	\$19,338	\$19,338	\$19,338	\$19,338	\$232,056
Mineral, fresh cows	\$6,064	\$6,064	\$6,064	\$6,064	\$6,064	\$6,064	\$6,064	\$6,064	\$6,064	\$6,064	\$6,064	\$6,064	\$72,768
Mineral, lactating cows	\$37,327	\$37,327	\$37,327	\$37,327	\$37,327	\$37,327	\$37,327	\$37,327	\$37,327	\$37,327	\$37,327	\$37,327	\$447,924
Mineral, dry cows	\$3,184	\$3,184	\$3,184	\$3,184	\$3,184	\$3,184	\$3,184	\$3,184	\$3,184	\$3,184	\$3,184	\$3,184	\$38,208
Mineral, close-up cows	\$3,774	\$3,774	\$3,774	\$3,774	\$3,774	\$3,774	\$3,774	\$3,774	\$3,774	\$3,774	\$3,774	\$3,774	\$45,288
Bypass fat	\$19,410	\$19,410	\$19,410	\$19,410	\$19,410	\$19,410	\$19,410	\$19,410	\$19,410	\$19,410	\$19,410	\$19,410	\$232,920
Supplies	\$71,251	\$71,251	\$71,251	\$71,251	\$71,251	\$71,251	\$71,251	\$71,251	\$71,251	\$71,251	\$71,251	\$71,251	\$855,012
Utilities	\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	\$270,000
Labor, including fringe costs	\$149,585	\$149,585	\$149,585	\$149,585	\$149,585	\$149,585	\$149,585	\$149,585	\$149,585	\$149,585	\$149,585	\$149,585	\$1,795,020
Herd replacement costs	\$119,584	\$119,584	\$119,584	\$119,584	\$119,584	\$119,584	\$119,584	\$119,584	\$119,584	\$119,584	\$119,584	\$119,584	\$1,435,008
Repairs & maintenance	\$61,250	\$61,250	\$61,250	\$61,250	\$61,250	\$61,250	\$61,250	\$61,250	\$61,250	\$61,250	\$61,250	\$61,250	\$735,000
Milk hauling	\$25,417	\$25,417	\$25,417	\$25,417	\$25,417	\$25,417	\$25,417	\$25,417	\$25,417	\$25,417	\$25,417	\$25,417	\$305,004
State & association charges	\$20,834	\$20,834	\$20,834	\$20,834	\$20,834	\$20,834	\$20,834	\$20,834	\$20,834	\$20,834	\$20,834	\$20,834	\$250,008
Misc. (fuel, insur., etc.)	\$66,667	\$66,667	\$66,667	\$66,667	\$66,667	\$66,667	\$66,667	\$66,667	\$66,667	\$66,667	\$66,667	\$66,667	\$800,004
Interest	\$48,750	\$48,750	\$48,750	\$48,750	\$48,750	\$48,750	\$48,750	\$48,750	\$48,750	\$48,750	\$48,750	\$48,750	\$585,000
Veterinary Medicine	\$36,250	\$36,250	\$36,250	\$36,250	\$36,250	\$36,250	\$36,250	\$36,250	\$36,250	\$36,250	\$36,250	\$36,250	\$435,000
Machinery (Fuel,Lube,Repair)	\$5,002	\$5,002	\$5,002	\$5,002	\$5,002	\$5,002	\$5,002	\$5,002	\$5,002	\$5,002	\$5,002	\$5,026	\$60,048
Vehicles (Fuel and Repair)	\$2,993	\$2,993	\$2,993	\$2,993	\$2,993	\$2,993	\$2,993	\$2,993	\$2,993	\$2,993	\$2,993	\$3,007	\$35,930
Equipment (Repair)	\$609	\$609	\$609	\$609	\$609	\$609	\$609	\$609	\$609	\$609	\$609	\$609	\$7,308
Housing, Improvements (Repair)	\$21,335	\$21,335	\$21,335	\$21,335	\$21,335	\$21,335	\$21,335	\$21,335	\$21,335	\$21,335	\$21,335	\$21,437	\$256,122
Taxes and Insurance	\$91,351	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$91,351
Total	\$1,432,273	\$1,340,922	\$1,340,922	\$1,340,922	\$1,340,922	\$1,340,922	\$1,340,922	\$1,340,922	\$1,340,922	\$1,340,922	\$1,340,922	\$1,341,062	\$16,182,555

Table 3: Monthly Summary of Returns and Expenses for a 5,000-Head Open Lot Dairy in Southern Idaho

			-										
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Feed (tons):													
Alfalfa hay, dairy	945	945	945	945	945	945	945	945	945	945	945	945	11340
Feeder hay	288	288	288	288	288	288	288	288	288	288	288	288	3456
Close-up hay	28	28	28	28	28	28	28	28	28	28	28	28	336
Straw	30	30	30	30	30	30	30	30	30	30	30	30	360
Corn silage (32%DM)	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	30360
Beet pulp	178	178	178	178	178	178	178	178	178	178	178	178	2136
Corn	676	676	676	676	676	676	676	676	676	676	676	676	8112
Barley	0	0	0	0	0	0	0	0	0	0	0	0	0
Canola	175	175	175	175	175	175	175	175	175	175	175	175	2100
Distillers	341	341	341	341	341	341	341	341	341	341	341	341	4092
Cottonseed	339	339	339	339	339	339	339	339	339	339	339	339	4068
Molasses	125	125	125	125	125	125	125	125	125	125	125	125	1500
Mineral, fresh cows	7	7	7	7	7	7	7	7	7	7	7	7	84
Mineral, lactating cows	72	72	72	72	72	72	72	72	72	72	72	72	864
Mineral, dry cows	2	2	2	2	2	2	2	2	2	2	2	2	24
Mineral, close-up cows	4	4	4	4	4	4	4	4	4	4	4	4	48
Bypass fat	2	2	2	2	2	2	2	2	2	2	2	2	20

Table 4: Monthly Feed Requirements (tons) for a 5,000-Head Open Lot Dairy in Southern Idaho

Table 5: Investment Summary for 5,000-Head Open Lot Dairy in

Table 5: Investment Summary I				Coluggo	Discount	Capital	Conital
14	Value or	Years	Salvage	Salvage	Discount	Capital	Capital
Item	Cost	of Life	Value	Value	Rate	Recovery	Recovery
	(total)	(n)	(\$/head)	(\$/herd)	(i)	Factor	Value
Initial Capital Outlays:							
initial capital Outlays.							
Cattle:	\$6,125,000	3	\$525	\$2,625,000	5.00%	0.3672	\$1,416,450
Initial cow purchase	\$6,125,000	J	<i>4525</i>	<i>\$2,023,000</i>	5.0070	0.5072	Ş1,410,430
	\$0,125,000						
Land:	\$3,950,000						
Land purchase*	\$1,200,000				7.50%		\$90,000
Site Prep: Permits, well, roads**	\$2,750,000	30	\$0		6.00%	0.0727	\$199,788
	<i>q</i> 2), 30,000	50	φo		0.0070	010727	<i>\</i> 2007700
Feeding Facilities:	\$526,000						
Scales	\$100,000	30	\$0		6.00%	0.0727	\$7,265
Commodity shed, 14 bays	\$210,000	30	\$0		6.00%	0.0727	\$15,257
Hay sheds (180' x 50')	\$216,000	30	\$0		6.00%	0.0727	\$15,692
	+,		+-				+,
Milking Barn	\$2,064,000	30	\$0		6.00%	0.0727	\$149,950
Buildings	\$480,000						
2 double 36 parallel stalls	\$1,584,000						
	1 /						
Open Lots	\$3,025,000						
Sheds, 400 sq ft per cow	\$2,125,000	30	\$0		6.00%	0.0727	\$154,381
Shades: 40 sq ft per cow	\$900,000	30	\$0		6.00%	0.0727	\$65,385
	+,		+-				+,
Hospital Barn	\$390,000	30	\$0		6.00%	0.0727	\$28,334
Building	\$126,000						, ,,,,
Double 12 parallel stalls	\$264,000						
	, ,,,,,,						
Machinery, 5000-cow facility:	\$1,406,503					Total:	\$208,205.75
Generator	\$150,000	10	\$7,500	\$15,000	6.00%	0.1359	\$19,816
Farm pickups, new	\$40,000	8	\$4,000	\$4,000	6.00%	0.1610	\$6,036
Farm pickups, used	\$40,000	8	\$2,000	\$4,000	6.00%	0.1610	\$6,238
4-wheelers	\$12,000	8	\$600	\$1,200	6.00%	0.1610	\$1,871
10-wheel truck (manure removal)	\$120,000	10	\$6,000	\$12,000	6.00%	0.1359	\$15,853
Tractor-125 HP	\$95,000	10	\$9,500	\$9,500	6.00%	0.1359	\$12,189
Tractor-75 HP	\$55,000	20	\$5,500	\$5,500	6.00%	0.0872	\$4,646
Tractor-60 HP	\$41,000	20	\$4,100	\$4,100	6.00%	0.0872	\$3,463
Straw Spreader	\$70,000	10	\$3,500	\$7,000	6.00%	0.1359	\$9,247
Loaders, new	\$147,000	10	\$14,700	\$14,700	6.00%	0.1359	\$18,862
Loaders, used	\$148,000	8	\$7,400	\$14,800	6.00%	0.1610	\$23,081
Skid steer loader	\$70,000	3	\$3,500	\$7,000	6.00%	0.3741	\$23,989
Telehandler loader	\$50,000	3	\$5,000	\$5,000	6.00%	0.3741	\$17,135
Semis, with feedbox mixers, new	\$125,000	10	\$12,500	\$12,500	6.00%	0.1359	\$16,039
Semis, with feedbox mixers, used	\$65,000	8	\$6,500	\$6,500	6.00%	0.1610	\$9,809
Dump truck	\$32,376	20	\$1,619	\$3,238	6.00%	0.0872	\$2,735
Vacuum tank	\$64,500	10	\$6,450	\$6,450	6.00%	0.1359	\$8,276
Backhoe	\$45,000	20	\$4,500	\$4,500	6.00%	0.0872	\$3,801
Boxscraper	\$3,000	20	\$300 \$300	\$300	6.00%	0.0872	\$253
Brush hog, 10'	\$9,127	10	\$913	\$913	6.00%	0.1359	\$1,171
Gooseneck trailer, 28'	\$24,500	8	\$2,450	\$2,450	6.00%	0.1610	\$3,697
Miscellaneous	\$60,000	16	\$2,430 \$0	\$2,430 \$0	7.00%	0.1010	\$6,351
Miscellaneous	Ş00,000	10	ŲÇ	ŞŪ	7.0076	0.1055	JU,JJI
Insurance:	\$36,797						
Insur., facilities @ \$5 per \$1,000	\$30,025						
Insur., machinery, @ \$4 per \$1,000	\$5,626						
Liability Insur. (\$1 million coverage)	\$1,146						
	<i>\\\\\\\\\</i>						
Total Investment Costs/Salvage Value	\$17,583,300		\$109,057				
Capital Costs/Salvage Value per Head	\$3,517		\$105,057 \$22				
	<i>43,317</i>		ŶĔĔ				
Average Capital Costs	\$8,846,178.26						
Average Capital Costs per Head	\$1,769						
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Total Capital Recovery Costs	\$2,357,058						\$2,357,058
Capital Recovery Costs per Head	\$471						\$471
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*Opportunity cost on land investment is calculated as land value multiplied by the interest rate. Land is not depreciable. **Site preparation charges include nutrient management expenses.