

Goat Budget Worksheet

by

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This budgeting workbook is designed for the small producer and assumes that does will kid once per year. It includes spreadsheets for the breeding herd, bucks, replacement does, and finishing kids. Output from the "Bucks" and "Replacement" spreadsheets feed into the "Herd" spreadsheet. The "Herd" and "Finish Kids" spreadsheets work together but can be used separately. If they are used together, the kids from the herd automatically move into the "Finish Kids" spreadsheet. Their results are combined in the Farm Herd to Finish spreadsheet. All inputs except feed amounts are entered in the "Inputs" spreadsheet.

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Budget Inputs

Breeding Flock		
Herd size	30	Does
Does Culled per Year	5	Does
Doe Deaths per year	1	Does
Are Replacement Does Purchased?	No	(If "No", the kid crop will be reduced by the amount of does culled and died per year)
Replacement Doe Cost (if applicable)	75	(This entry will not be used if the above question is answered "No".)
Cull Doe Sale Weight	120	\$ / head pounds
Cull Doe Sale Price	65	\$ / head
Bucks Needed	2	Buck(s)
Buck Purchase Price	150	\$ / head
Buck use (years)	5	years
Buck Death Loss Rate	2%	
Cull Buck Value	100	per head
Kids Weaned	50	head/year
Kid Weaning Weight	45	pounds
Weaning Kid Price	1.45	\$ / lb

Kid Finishing		
Weaned Kids Retained for Feeding	44	
Kids Purchased for Feeding	25	head
Price for Purchased Kids	1.45	\$ / lb
Purchase weight	45	
Days fed	90	days
Finished Kids Sold	69	head
Finished Kid Weight	75	pounds
Finished Kid Price	1.70	\$ / lb

Feed					
Description	Price per Unit Purchased	Purchased Unit (tons, lbs. etc)	Fed Unit (tons, lbs. etc)	Fed Unit per Purchased Unit	As Fed Price
Native Pasture - Does	Owned	AUM	month		
Prairie Hay	2.00	Bale	lb	60	0.03
Alfalfa Hay	3.00	Bale	lb	75	0.04
Creep Feed	0.22	lb	lb	1	0.22
Mineral Mix	0.63	lb	lb	1	0.63
Corn	3.45	bu	bu	1	3.45
Native Pasture - Replacement	Owned	AUM	month		
Native Pasture - Finish	Owned	AUM	month		
Native Pasture - Bucks	Owned	AUM	month		

Non-Feed Input Costs

Description	Cost per Year	Is this Cost Per Animal or for All Animals?	Percent for Farm Herd	Percent for Finishing
Labor	500.00	all animals	75%	25%
Fuel	300.00	all animals	75%	25%
Vaccinations	150.00	all animals	75%	25%
Weaned Kid Marketing	400.00	all animals	100%	0%
Finished Kid Marketing	75.00	all animals	0%	100%
Cull Doe Marketing	5.00	per animal	100%	0%
Cull Buck Marketing	5.00	per animal	100%	0%
Supplies	100.00	all animals	75%	25%

Depreciable Input Costs

Description	Current Cost	Future Cost	Remaining Life	Annual Repairs	Percent for Farm Herd (Optional)	Percent for Finishing
Farm Herd Housing	5,000	4,000	5	150	100%	0%
Finishing Housing	3,000	2,500	5	200	0%	100%
Farm Herd equipment	400	300	5	50	100%	0%
Finishing equipment	800	400	3	75	0%	100%

Interest

Operations Interest Rate	7%
Opportunity Rate	3%

Overhead Costs

			Percent for Goats	Percent of Goats for Farm Herd (Optional)	Percent for Finishing
Real Estate Value	15,000		60%	75%	25%
Real Estate Tax	300	per year	60%	75%	25%
Annual Insurance Premium	500	per year	60%	80%	20%
Professional Fees	400	per year	60%	50%	50%
Annual Management Charge	200	per year	60%	50%	50%
Other	100	per year	60%	25%	75%

Farm Replacement Budget (6 Does)

Variable Costs				Herd Total
Replacement Feed	Amount per Year	Per Animal or Total	Price	
Native Pasture - Replacement	4 months	per animal	@ per month	-
Creep Feed	671 lbs	total	@ 0.22 per lb	147.62
Mineral Mix	8 lbs	per animal	@ 0.63 per lb	30.24
Prairie Hay	380 lbs	per animal	@ 0.03 per lb	76.00
Corn	23 bus	total	@ 3.45 per bu	79.35
Total Variable Costs				333

Farm Herd Budget (30 Does)

Income				Herd Total	Per Doe	Per Kid Produced
	Number	Weight	Price	Total	Total	Total
Weaned Kid Value	44 head	45.00	1.45 per lb	2,871	95.70	65.25
Cull Doe Sales	5 head		65.00 per head	325	10.83	7.39
Gross Income				3,196	106.53	72.64

Variable Costs				Herd Total	Per Doe	Per Kid Produced
Breeding Costs	Number		Price	Total	Total	Total
Bucks	(This amount is the "Net Expenses" from the "Bucks" tab)			197	6.56	4.47
Replacement Does Purchased			N/A \$ per head			
Doe Feed	Amount per Year	Per Animal or Total	Price	Total	Total	Total
Native Pasture - Does	4 months	per animal	@ per month	-	-	-
Corn	195 bus	total	@ 3.45 per bu	673	22.43	15.29
Alfalfa Hay	240 lbs	per animal	@ 0.04 per lb	288	9.60	6.55
Mineral Mix	9.6 lbs	per animal	@ 0.63 per lb	181	6.05	4.12
Prairie Hay	240 lbs	per animal	@ 0.03 per lb	240	8.00	5.45
Replacement Doe Feed		(From Replacement Tab)		333	11.11	7.57
Total Feed				1,715	57.18	38.99
Other Variables		Allocation		Total	Total	Total
Labor		75%		375	12.50	8.52
Fuel		75%		225	7.50	5.11
Vaccinations		75%		113	3.75	2.56
Weaned Kid Marketing		100%		400	13.33	9.09
Cull Doe Marketing		100%		25	0.83	0.57
Supplies		75%		75	2.50	1.70
				-	-	-
Operations Interest				74	2.45	1.67
Total Other				1,286	42.87	29.23
Total Variable Costs				3,198	106.61	72.69

Fixed Cash Costs				Herd Total	Per Doe	Per Kid Produced
Depreciables Input Costs		Repairs		Total	Total	Total
Farm Herd Housing		150		150	5.00	3.41
Farm Herd equipment		50		50	1.67	1.14
				-	-	-
Total Repairs				200	6.67	4.55
Overhead and Management		Allocation		Total	Total	Total
Real Estate Tax		45%		135	4.50	3.07
Annual Insurance Premium		48%		240	4.80	5.45
Professional Fees		30%		120	2.40	2.73
Annual Management Charge		30%		60	1.20	1.36
Other		15%		15	0.30	0.34
Total Overhead and Management				570	13.20	12.95
Total Fixed Cash Costs				770	19.87	17.50
Total Cash Costs				3,968	126.47	90.19
Net Cash Income				(772)	(19.94)	(17.55)

Non-Cash Costs				Herd Total	Per Doe	Per Kid Produced
	Depreciation	Opportunity		Total	Total	Total
Real Estate		203		203	6.75	4.60
Farm Herd Housing	200	150		350	11.67	7.95
Farm Herd equipment	20	12		32	1.07	0.73
				-	-	-
Total Non-Cash Costs				585	19.48	13.28
Total Costs				4,553	145.96	103.47
Net Income				(1,357)	(39.42)	(30.83)

Finishing Budget

Income				Herd Total	Per Kid Sold
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>	<u>Total</u>
Kid Sales	69	75	1.70 \$ / lb	8,798	127.50
Gross Income				8,798	127.50

Variable Costs				Herd Total	Per Kid Sold
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>	<u>Total</u>
Weaned Kids (Raised)	44	45	1.45 \$ / lb	2,871	41.61
Weaned Kids (Purchased)	25	45	1.45 \$ / lb	1,631	23.64
Total Animals Purchased				4,502	65.25
Feed	Amount Fed per Year		Per Animal or Total	Price	Total
Alfalfa Hay	72	lbs	per animal	0.04 \$ lb	199
Creep Feed	4.02	lbs	per animal	0.22 \$ lb	61
Native Pasture - Finish	4	months	per animal	\$ month	-
Total Feed				260	3.76
Other Variable			Allocation	Total	Total
Labor			25%	125	1.81
Fuel			25%	75	1.09
Vaccinations			25%	38	0.54
Finished Kid Marketing			100%	75	1.09
Supplies			25%	25	0.36
Operations Interest				56	0.82
Total NonFeed				394	5.71
Total Variable Costs				5,156	74.72

Fixed Cash Costs				Herd Total	Per Kid Sold
				<u>Total</u>	<u>Total</u>
Depreciables Input Costs	Repairs				
Finishing Housing	200			200	2.90
Finishing equipment	75			75	1.09
Total Repairs				275	3.99
Overhead and Management	Allocation			Total	Total
Real Estate Tax	15%			45	0.65
Annual Insurance Premium	12%			60	0.87
Professional Fees	30%			120	1.74
Annual Management Charge	30%			60	0.87
Other	45%			45	0.65
Total Overhead and Ownership				330	4.78
Total Fixed Cash Costs				605	8.77
Total Cash Costs				5,761	83.49
Net Cash Income				3,037	44.01

Non-Cash Costs				Herd Total	Per Kid Sold
	<u>Depreciation</u>	<u>Oppor-tunity</u>		<u>Total</u>	<u>Total</u>
Real Estate		68		68	0.98
Finishing Housing	100	90		190	2.75
Finishing equipment	133	24		157	2.28
Total Non-Cash Costs				415	6.01
Total Costs				6,176	89.50
Net Income				2,622	38.00

Combined Farm Herd and Kid Finishing

Income				Herd Total	Per Kid Sold
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>	<u>Total</u>
Weaned Kid Sales	-			-	-
Finished Kid Sales	69	75.00	1.70 \$ / lb	8,798	127.50
Cull Doe Sales	5	120.00	65.00 \$ / head	325	4.71
Cull Buck Sales	0.40		100.00 per head	40	0.58
	Gross Income			9,163	132.79

Variable Costs				Herd Total	Per Kid Sold
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>	<u>Total</u>
Animal Purchases					
Does			75 \$ per head		
Bucks	0.4		150 \$ per head	59	0.85
Feeder Kids	25	45	1.45 \$ / lb	1,631	23.64
	Total Animals Purchased			1,690	24.49
Feed	<u>Amount</u>		<u>Price</u>	<u>Total</u>	<u>Total</u>
Native Pasture - Does	120 months @		per month		
Prairie Hay	11,880 lbs @		0.03 per lb	396	5.74
Alfalfa Hay	12,168 lbs @		0.04 per lb	487	7.05
Creep Feed	948 lbs @		0.22 per lb	209	3.02
Mineral Mix	402 lbs @		0.63 per lb	253	3.67
Corn	232 bus @		3.45 per bu	800	11.60
Native Pasture - Replacement	24 months @		per month		-
Native Pasture - Finish	276 months @		per month		-
Native Pasture - Bucks	8 months @		per month		-
	Total Feed			2,145	31.09
Other Variable				<u>Total</u>	<u>Total</u>
Labor				500	7.25
Fuel				300	4.35
Vaccinations				150	2.17
Weaned Kid Marketing				400	5.80
Finished Kid Marketing				75	1.09
Cull Doe Marketing				25	0.36
Cull Buck Marketing				2	0.03
Supplies				100	1.45
Operations Interest				136	1.97
	Total Other			1,688	24.46
	Total Variable Costs			5,523	80.05

Fixed Cash Costs			Herd Total	Per Kid Sold
		<u>Repairs</u>	<u>Total</u>	<u>Total</u>
Depreciables Input Costs				
Farm Herd Housing		150	150	2.17
Finishing Housing		200	200	2.90
Farm Herd equipment		50	50	0.72
Finishing equipment		75	75	1.09
				-
		Total Ownership	475	6.88
Overhead and Management			<u>Total</u>	<u>Total</u>
Real Estate Tax			180	2.61
Insurance			300	4.35
Professional Fees			240	3.48
Management			120	1.74
Other			60	0.87
		Total Overhead	900	13.04
		Total Fixed Costs	1,375	19.93
		Total Costs	6,898	99.97
		Net Income	2,264	32.82

Fixed Costs			Herd Total	Per Kid Sold
	<u>Depre-</u>	<u>Oppor-</u>	<u>Total</u>	<u>Total</u>
	<u>ciation</u>	<u>tunity</u>		
Real Estate		270	270	3.91
Farm Herd Housing	200	150	350	5.07
Finishing Housing	100	90	190	2.75
Farm Herd equipment	20	12	32	0.46
Finishing equipment	133	24	157	2.28
		Total Fixed Costs	999	14.48
		Total Costs	7,897	114.46
		Net Income	1,265	18.33