

# Sheep Budget Worksheet

by

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This budgeting workbook is designed for the small producer and assumes that ewes will lamb once per year. It includes spreadsheets for the breeding flock, rams, replacement ewes, and finishing lambs. Output from the "Ram" and "Replacement" spreadsheets feed into the "Flock" spreadsheet. The "Flock" and "Finish Lambs" spreadsheets work together but can be used separately. If they are used together, the lambs from the flock automatically move into the "Finish Lambs" spreadsheet. Their results are combined in the Farm Flock to Finish spreadsheet. All inputs except feed amounts are entered in the "Inputs" spreadsheet.

# Budget Inputs

Breeding Flock		
Flock size	150	ewes
Ewes Culled per Year	20	ewes
Ewe Deaths per year	5	ewes
Are Replacement Ewes Purchased?	Yes	(If "No", the lamb crop will be reduced by the amount of ewes culled and died per year) (This entry will not be used if the above question is answered "No".)
Replacement Ewe Cost (if applicable)	50	\$ / head
Cull Ewe Sale Weight	150	pounds
Cull Ewe Sale Price	30	\$ / cwt
Rams Needed	2	Ram(s)
Ram Purchase Price	400	\$ / head
Ram use (years)	5	years
Ram Death Loss Rate	0%	
Cull Ram Value	60	per head
Lambs Weaned	225	head/year
Lamb Weaning Weight	60	pounds
Weaning Lamb Price	140	\$ / cwt
Ewe Wool Sold	150	pounds
Wool Price	0.10	\$ / lb

Lamb Finishing		
Weaned Lambs Purchased		head
Price for Weaned Lambs		\$ / Head
Days fed		days
Lamb Wool Sold		pounds
Finished Lambs Sold	225	head
Finished Lamb Weight	60	pounds
Finished Lamb Price	140	\$ / cwt

Feed					
Description	Price per Unit Purchased	Purchased Unit (tons, lbs. etc)	Fed Unit (tons, lbs. etc)	Fed Unit per Purchased Unit	As Fed Price
Grass Hay	41.00	bale	pounds	1200	0.03
Alfalfa Hay	43.00	bale	pounds	1200	0.04
Modified Distillers Grains	50.00	ton	pounds	2000	0.03
Mineral	28.00	bag	pounds	50	0.56

Non-Feed Input Costs				
Description	Cost per Year	Is this Cost Per Animal or for All Animals?	Percent for Farm Flock	Percent for Finishing
Labor	3650.00	all animals	100%	0%
Fuel	600.00	all animals	100%	0%
Veterinary and Medical	600.00	all animals	100%	0%
Weaned Lamb Marketing	2.50	per animal	100%	0%
Finished Lamb Marketing			0%	100%
Cull Ewe Marketing	2.50	per animal	100%	0%
Cull Ram Marketing	2.50	per animal	100%	0%
Trucking	1.00	per animal	100%	0%

Depreciable Input Costs						
Description	Current Cost	Future Cost	Remaining Life	Annual Repairs	Percent for Farm Flock (Optional)	Percent for Finishing
Farm Flock Housing			5	600	100%	0%
Finishing Housing			5		0%	100%
Farm Flock Machinery			5	600	100%	0%
Finishing Machinery			5		0%	100%

Interest	
Operations Interest Rate	6%
Opportunity Rate	3%

Overhead Costs				
Description	Amount	Frequency	Percent for Farm Flock (Optional)	Percent for Finishing
Real Estate Value	12,500		100%	0%
Real Estate Tax	170	per year	100%	0%
Annual Insurance Premium		per year	100%	0%
Professional Fees	300	per year	100%	0%
Annual Management Charge		per year		
Other		per year		

Farm Flock Budget (150 ewes)

Income				Flock Total	Per Ewe	Per Lamb Sold
	Amount	Price		Total	Total	Total
Weaned Lamb Value	13,500 lbs @	140.00	per cwt	18,900	126.00	84.00
Cull Ewe Sales	3,000 lbs @	30.00	per cwt	900	6.00	4.00
Wool Sales	150 lbs @	0.10	per lb	15	0.10	0.07
<b>Gross Income</b>				<b>19,815</b>	<b>132.10</b>	<b>88.07</b>

Variable Costs				Flock Total	Per Ewe	Per Lamb Sold
	Number	Price		Total	Total	Total
<b>Breeding Costs</b>						
Rams	(This amount is the "Net Expenses" from the "Rams" tab)			291	1.94	1.45
Replacement Ewes Purchased	25	50 \$ per head		1,250	8.33	6.25
<b>Ewe Feed</b>						
	Amount per Year	Per Animal or Total	Price	Total	Total	Total
Grass Hay	730	pounds per animal	@ 0.03 per pounds	3,741	24.94	16.63
Alfalfa Hay	730	pounds per animal	@ 0.04 per pounds	3,924	26.16	17.44
Modified Distillers Grains	182.5	pounds per animal	@ 0.03 per pounds	684	4.56	3.04
Mineral	1200	pounds total	@ 0.56 per pounds	672	4.48	2.99
Replacement Ewe Feed	(From Replacement Spreadsheet)			-	-	-
<b>Total Feed</b>				<b>9,021</b>	<b>60.14</b>	<b>40.10</b>
<b>Other Variables</b>						
	Allocation			Total	Total	Total
Labor	100%			3,650	24.33	16.22
Fuel	100%			600	4.00	2.67
Veterinary and Medical	100%			600	4.00	2.67
Weaned Lamb Marketing	100%			563	3.75	2.50
Cull Ewe Marketing	100%			50	0.33	0.22
Trucking	100%			150	1.00	0.67
Operations Interest				255	1.70	1.13
<b>Total Other</b>				<b>5,867</b>	<b>39.12</b>	<b>26.08</b>
<b>Total Variable Costs</b>				<b>16,429</b>	<b>101.19</b>	<b>67.62</b>

Fixed Costs				Flock Total	Per Ewe	Per Lamb Sold
	Depreciation	Oppor-tunity	Repairs	Total	Total	Total
<b>Depreciables Input Costs</b>						
Farm Flock Housing	-	-	600	600	4.00	4.80
Farm Flock Machinery	-	-	600	600	4.00	4.80
				-		
				-		
				-		
				-		
<b>Total Ownership</b>				<b>1,200</b>	<b>8.00</b>	<b>9.60</b>
<b>Overhead and Management</b>						
	Allocation			Total	Total	Total
Real Estate Value	100%			375	1.44	1.67
Real Estate Tax	100%			170	0.65	0.76
Annual Insurance Premium	100%			-	0.00	0.00
Professional Fees	100%			300	1.15	1.33
Annual Management Charge	0%			-	0.00	0.00
Other	0%			-	0.00	0.00
<b>Total Overhead</b>				<b>845</b>	<b>3.25</b>	<b>3.76</b>
<b>Total Fixed Costs</b>				<b>2,045</b>	<b>11.25</b>	<b>13.36</b>

<b>Net Income</b>				<b>1,341</b>	<b>19.66</b>	<b>7.09</b>
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Farm Ram Budget (2 rams)

Income			Flock Total
	<u>Amount</u>	<u>Price</u>	<u>Total</u>
Cull Ram Sales	0.40 head @	60.00 per head	24
<b>Gross Income</b>			<b>24</b>

Variable Costs			Flock Total
<u>Breeding Costs</u>	<u>Number</u>	<u>Price</u>	<u>Total</u>
Rams	0.4	400 \$ per head	160
<b>Ram Feed</b>			
	<u>Amount per Year</u>	<u>Per Animal or Total</u>	<u>Price</u>
Grass Hay	1000	per animal	@ 0.03 per pounds 68
Alfalfa Hay	1000	per animal	@ 0.04 per pounds 72
Mineral			@ 0.56 per pounds
Modified Distillers Grains	180	per animal	@ 0.03 per pounds 9
<b>Total Feed</b>			<b>149</b>
<b>Other Variables</b>			
		<u>Allocation</u>	<u>Total</u>
Cull Ram Marketing		100%	1
Operations Interest			5
<b>Total Other</b>			<b>6</b>
<b>Total Variable Costs</b>			<b>315</b>

<b>Net Expense</b>			<b>291</b>
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Farm Replacement Budget NA

Variable Costs				Flock Total
<u>Replacement Feed</u>	Amount per Year	Per Animal or Total	<u>Price</u>	
				-
				-
				-
				-
				-
				-
				-
<b>Total Variable Costs</b>				-

### Finishing Budget

Income				Flock Total	Per Lamb Sold
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>	<u>Total</u>
Lamb Sales	225	60	140 \$ / cwt	18,900	84.00
Wool Sales		0	0.10 \$ / lb	-	-
				<b>Gross Income</b>	<b>18,900</b>
					<b>84.00</b>

Variable Costs				Flock Total	Per Lamb Sold
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>	<u>Total</u>
Weaned Lambs (Raised)	225	60	140.00 \$ / cwt	18,900	84.00
Weaned Lambs (Purchased)	0		0.00 \$ / head	-	-
	<b>Amount Fed per Year</b>	<b>Per Animal or Total</b>	<b>Price</b>	<b>Total</b>	<b>Total</b>
Feed					
			<b>Total Feed</b>	-	-
<b>NonFeed</b>		<b>Allocation</b>		<b>Total</b>	<b>Total</b>
Labor		0%		-	-
Fuel		0%		-	-
Veterinary and Medical		0%		-	-
Finished Lamb Marketing		49%		-	-
				-	-
				-	-
Operations Interest				-	-
			<b>Total NonFeed</b>	-	-
			<b>Total Variable Costs</b>	<b>18,900</b>	<b>84.00</b>

Fixed Costs				Flock Total	Per Lamb Sold
<b>Depreciables Input Costs</b>	<b><u>Depreciation</u></b>	<b><u>Opportunity</u></b>	<b><u>Repairs</u></b>	<b><u>Total</u></b>	<b><u>Total</u></b>
Finishing Housing	-	-	-	-	-
Finishing Machinery	-	-	-	-	-
				-	-
				-	-
				-	-
			<b>Total Depreciables</b>	-	-
<b>Overhead and Management</b>		<b>Allocation</b>		<b>Total</b>	<b>Total</b>
Real Estate Value		0%		-	-
Real Estate Tax		0%		-	-
Annual Insurance Premium		0%		-	-
Professional Fees		0%		-	-
Annual Management Charge				-	-
Other				-	-
			<b>Total Overhead and Ownership</b>	-	-
			<b>Total Fixed Costs</b>	-	-

	<b>Total Costs</b>			<b>18,900</b>	
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	<b>Net Income</b>			-	
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Combined Farm Flock and Lamb Finishing

<b>Income</b>				<b>Flock Total</b>	<b>Per Lamb Sold</b>
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>	<u>Total</u>
Finished Lamb Sales	225	60.00	140 \$ / cwt	18,900	84.00
Cull Ewe Sales	20	150.00	30 \$ / cwt	900	4.00
Cull Ram Sales	0.40		60.00 per head	24	0.11
Wool Sales		150	0.10 \$ / lb	15	0.07
<b>Gross Income</b>				<b>19,839</b>	<b>88.17</b>

<b>Variable Costs</b>				<b>Flock Total</b>	<b>Per Lamb Sold</b>
<u>Animal Purchases</u>	<u>Number</u>	<u>Price</u>		<u>Total</u>	<u>Total</u>
Ewes	25	50 \$ per head		1,250	5.56
Rams	0.4	400 \$ per head		160	0.71
Feeder Lambs	0	0 \$ / head		-	-
<b>Total Animals Purchased</b>				<b>1,410</b>	<b>6.27</b>
<u>Feed</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	<u>Total</u>
Grass Hay	111,500	poundss @	0.03 per pounds	3,810	16.93
Alfalfa Hay	111,500	poundss @	0.04 per pounds	3,995	17.76
Modified Distillers Grains	27,735	poundss @	0.03 per pounds	693	3.08
Mineral	1,200	poundss @	0.56 per pounds	672	2.99
-	-			-	-
-	-			-	-
-	-			-	-
-	-			-	-
-	-			-	-
<b>Total Feed</b>				<b>9,170</b>	<b>40.76</b>
<u>Other Variable</u>				<u>Total</u>	<u>Total</u>
Labor				3,650	16.22
Fuel				600	2.67
Veterinary and Medical				600	2.67
Weaned Lamb Marketing				563	2.50
Cull Ewe Marketing				50	0.22
Cull Ram Marketing				1	0.00
Trucking				150	0.67
Operations Interest				259	1.15
<b>Total Other</b>				<b>5,873</b>	<b>26.10</b>
<b>Total Variable Costs</b>				<b>16,453</b>	<b>73.13</b>

<b>Fixed Costs</b>				<b>Flock Total</b>	<b>Per Lamb Sold</b>
<u>Depreciables Input Costs</u>	<u>Depre- ciation</u>	<u>Oppor- tunity</u>	<u>Repairs</u>	<u>Total</u>	<u>Total</u>
Farm Flock Housing	-	-	600	600	2.67
Finishing Housing	-	-	-	-	-
Farm Flock Machinery	-	-	600	600	2.67
Finishing Machinery	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
<b>Total Ownership</b>				<b>1,200</b>	<b>5.33</b>
<u>Overhead and Management</u>				<u>Total</u>	<u>Total</u>
Real Estate Opportunity				375	1.67
Real Estate Tax				170	0.76
Insurance				-	-
Professional Fees				300	1.33
Management				-	-
Other				-	-
<b>Total Overhead</b>				<b>845</b>	<b>3.76</b>
<b>Total Fixed Costs</b>				<b>2,045</b>	<b>9.09</b>
<b>Total Costs</b>				<b>18,498</b>	<b>82.21</b>
<b>Net Income</b>				<b>1,341</b>	<b>5.96</b>