

Sheep: Winter Lambing; Raise Replacements

100 EWES

148% LAMB CROP

4 RAMS

100% OF LAMBS ENTER FEEDLOT

10% LAMB Death Loss

15% CULLS

60 LBS. AVERAGE WEANING WEIGHT

1.33 = Lambs Raised per Ewe

0.65 ADG

5.0 TO 1 POST WEANING FEED CONVERSION

ITEM	HEAD	CWT	UNIT	PRICE	QUANTITY	TOTAL	Your Farm
1. GROSS RECEIPTS							
Lambs	119 @	1.10	Cwt	\$195.00	130.90	\$25,525.50	_____
Cull Ewes	12 @	1.50	Cwt	\$70.00	18.00	\$1,260.00	_____
Cull Ram	1 @	2.00	Cwt	\$35.00	2.00	\$70.00	_____
Wool		6.50	Lbs/Head	\$0.45	669.50	\$301.28	_____
2. TOTAL GROSS RECEIPTS					\$271.57 Per Ewe	\$27,156.78	_____
3. VARIABLE COSTS							
	Feed Loss						
Alfalfa Hay, Bloom	5.0%		Ton	\$180.00	4.36	\$784.89	_____
Mixed Hay, 2nd Cutting	5.0%		Ton	\$150.00	35.08	\$5,262.47	_____
Grass Hay, Average	5.0%		Ton	\$75.00	0.00	\$0.00	_____
Pelleted Supplement	2.0%		Ton	\$425.00	1.70	\$721.78	_____
Corn Grain	2.0%		Bushel	\$5.50	967.51	\$5,321.30	_____
SBOM 48%	2.0%		Cwt	19.75	33.80	\$667.53	_____
Limestone	2.0%		Cwt	\$2.25	0.68	\$1.52	_____
Dical	2.0%		Cwt	\$13.50	0.00	\$0.00	_____
Grinding & Mixing			Cwt	\$1.40	576.28	\$806.79	_____
Salt & Mineral			Lbs per Ewe	\$22.00	19.55	\$430.00	_____
Vet & Medicine			\$/Head	\$16.11	100	\$1,610.75	_____
Shearing			Head	\$5.00	104	\$520.00	_____
Supplies			Head	\$2.00	100	\$200.00	_____
Replacement Ram			Head	\$450.00	1	\$450.00	_____
Stockpiled Pasture			Acres per Ewe	\$51.00	0	\$0.00	_____
Pasture	0.20		Acres per Ewe	\$21.00	20	\$420.00	_____
Haul Cull Sheep			Head	\$5.20	13	\$67.60	_____
Market Cull Sheep			\$/Head	\$6.07	13	\$78.90	_____
Haul Lambs			Head	\$3.75	119	\$446.25	_____
Market Lambs			\$/Head	\$9.44	119	\$1,122.77	_____
Virginia Check-off			Head	\$0.50	132	\$66.00	_____
Building & Fence Repairs			Head	\$3.00	100	\$300.00	_____
Utilities			Head	\$0.90	100	\$90.00	_____
Bedding	120		Lbs per Ewe	\$80.00	6	\$480.00	_____
Machinery (Non-Crop)			Head	\$1.78	100	\$178.00	_____
Labor	3		Hours per Ewe	\$0.00	300	\$0.00	_____
Operating Interest	6		Months	\$6.00%	\$ 18,311	\$549.33	_____
4. TOTAL VARIABLE COSTS					\$205.76 Per Ewe	\$20,575.89	_____
5. ANNUAL DEBT PAYMENTS						\$0.00	_____
6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, & FAMILY LABOR					\$65.81 Per Ewe	\$6,580.89	_____

7. Price Sensitivity Analysis

		Percent Change in Total Gross Receipts						
		-25%	-10%	-5%	0%	5%	10%	25%
		--- Net Cash Return over Total Variable Costs per Ewe ---						
Percent	-10%	\$18.49	\$59.23	\$72.81	\$86.38	\$99.96	\$113.54	\$154.28
Change in	-5%	\$8.20	\$48.94	\$62.52	\$76.10	\$89.68	\$103.25	\$143.99
Total Variable	0%	(\$2.08)	\$38.65	\$52.23	\$65.81	\$79.39	\$92.97	\$133.70
Costs	5%	(\$12.37)	\$28.36	\$41.94	\$55.52	\$69.10	\$82.68	\$123.41
	10%	(\$22.66)	\$18.08	\$31.65	\$45.23	\$58.81	\$72.39	\$113.12
	25%	(\$53.52)	(\$12.79)	\$0.79	\$14.37	\$27.95	\$41.53	\$82.26

5% Table Sensitivity

8. FEED RATIONS (AS-FED BASIS)

Feed	Unit	Ewes						Feeder	Market
		Maintenance	Flush	Gestation	Lactation	Rams	Lambs <60#	Lambs	
		Number Head =	100	100	100	100	4	136	133
	Days Fed =	45	28	46	60	120	61	77	
Alfalfa Hay, Bloom	Lbs/Head/Day	0.00	0.00	0.00	0.00	0.00	1.00	0.00	
Mixed Hay, 2nd Cutting	Lbs/Head/Day	3.25	0.00	4.20	5.00	6.00	0.00	0.00	
Grass Hay, Average	Lbs/Head/Day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Pelleted Supplement	Lbs/Head/Day	0.00	0.00	0.00	0.00	0.00	0.00	0.33	
Corn Grain	Lbs/Head/Day 56	0.00	0.75	1.00	1.90	1.00	0.55	2.93	
SBOM 48%	Lbs/Head/Day 100	0.00	0.00	0.00	0.40	0.00	0.11	0.00	
Limestone	Lbs/Head/Day 100	0.00	0.00	0.00	0.00	0.00	0.01	0.00	
Dical	Lbs/Head/Day 100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

9. ANNUAL DEBT SERVICE

Item	Amount Borrowed	Percent Interest	Length of Loan	Percent to Sheep	Annual Payment
Ewes	0	10.00%	0	100%	\$0.00
Item Name	0	0.00%	0	100%	\$0.00
Item Name	0	0.00%	0	100%	\$0.00

TOTAL ANNUAL DEBT PAYMENTS \$0.00

10. ANIMAL HEALTH PROGRAM

100 EWES		4 RAMS			
Ivermectin Drench	150 Lbs	6	3 ml./26 Lbs	72.95 /Liter	\$7.58
Ovine Vibrio	5 cc	1	Dose @	0.57 /Dose	\$0.57
8 Way Booster	2 cc	1	Dose @	0.63 /Dose	\$0.63
Other			Dose @	/Dose	\$0.00
Other			Dose @	/Dose	\$0.00
Other			Dose @	/Dose	\$0.00
SUB-TOTAL EWES & RAMS					\$912.66
141 LAMBS					
Ivermectin Drench	60 Lbs	1	3 ml./26 Lbs	72.95 /Liter	\$0.51
BO-SE	0.5 cc	1	Dose @	0.27 /Dose	\$0.27
8 Way	5 cc	1	Dose @	1.58 /Dose	\$1.58
8 Way	2 cc	1	Dose @	0.63 /Dose	\$0.63
Other			Dose @	/Dose	\$0.00
Other			Dose @	/Dose	\$0.00
Other			Dose @	/Dose	\$0.00
SUB-TOTAL LAMBS					\$420.89
15 REPLACEMENT EWES					
Ivermectin Drench	80 Lbs	1	3 ml./26 Lbs	72.95 /Liter	\$0.67
Ovine Vibrio	5 cc	2	Dose @	0.57 /Dose	\$1.14
Other			Dose @	/Dose	\$0.00
Other			Dose @	/Dose	\$0.00
Other			Dose @	/Dose	\$0.00
Other			Dose @	/Dose	\$0.00
SUB-TOTAL REPLACEMENT EWES					\$27.20
Your Farm Veterinarian		1	Trip(s) @	\$250 Per Trip	\$250.00
TOTAL HEALTH COST FOR EWE FLOCK					\$1,610.75

Trade and brand names are used only for the purpose of providing information. Virginia Cooperative Extension does not guarantee or warrant the standard of any product named to the exclusion of others which also may be suitable.