

www.sheepmilk.biz

(membership info)

<http://www.uwex.edu/ces/animalscience/sheep/index.cfm>

CALCULATION OF RETURN TO LABOR & MANAGEMENT FOR A DAIRY SHEEP OPERATION	
Information About Your Flock	
Are you or will you be a member of WSDC (yes=1, no= 0)	0
Number of ewes in the flock	350
Number of ewes desired for the following year	350
Percentage of ewes lambing	93%
Average number of lambs born per ewe	2
Percentage of dead lambs	18%
Percentage of ewe loss	5%
Percentage replacement	20%
Number of rams	7
Number of ewe lambs sold for breeding	60
Number of ram lambs sold for breeding	3
Average weight of lambs at sale	65
Average weight of ewes	170
Average milk production per ewe (pounds)	
Average # of ewes milked per hour	120
Average set up and cleaning time before and after each milking	0.5
Average # of days each ewe is milked	204
Percentage of milk sold frozen	10%
Flock Results	
Number of lambs born	651
Number of lambs raised	534
Number of replacement ewe lambs to keep	88

If increasing flock

Default value should be 95%

If ewes are EF default value should be 2.1

Replacement ewes are put at breeding at 7 months of age

Will vary if lambs sold as feeders, light lambs or slaughter lambs

} This will determine the amount of hired labor for milking

Number of lambs for sale	446			
Number of lamb sold for meat	383			
Number of cull ewes	70			
Number of ewes milked (85% of total ewes)	298			
Minimum number of acres of improved pastures (8 ewes/acre)	44			
Price of Products for Sale				
Price of lambs at sale per pounds	\$ 1.15			
Price of breeding ewe lambs	\$ 300.00			
Price of breeding ram lambs	\$ 600.00			
Price of cull ewes per pound	\$ 0.25			
Price of wool including LDP	\$ 0.42			
Average price of fresh milk per pound				
Average price of frozen milk per pound				
RECEIPTS				
Lambs sold for meat	\$ 28,653			
Ewe Lambs sold for breeding	\$ 18,000			
Ram lambs sold for breeding	\$ 1,800			
Fresh milk	\$ -			
Frozen milk	\$ -			
Packaging of pallets of frozen milk (WSDC members only)	0			
Culled ewes	\$ 2,975			
Wool	\$ 1,200			
Other income				
Other income				
Total receipt	\$ 52,628			
VARIABLE EXPENSES				
Ewe Feed	Quantity	\$	Unit	
# months on pasture	6	\$ 3.00	month/ewe	\$ 6,426
# months average quality hay (3% DM intake)	1.5		month	
Tons of average quality hay needed and price	44	\$ 120.00	ton	\$ 5,301
# months good quality hay (4% DM intake)	5		lb	
Tons of good quality hay needed and price	196	\$ 200.00	ton	\$ 39,270
# months average hay for rams (5lb/day/ram)	6		month	\$ -
Tons of average quality hay for rams and price	4	\$ 120.00	ton	\$ 420
# months corn for rams (2lb/day/ram)	3	\$ 0.09	lb	\$ 113
# months corn at 1 lb/day/ewe	3	\$ 0.09	lb	\$ 2,835
# months corn at 2 lbs/day/ewe	4	\$ 0.09	lb	\$ 6,426

\$100/pallet of 2100 lbs

10% waste is included in total average quality hay
 If lambing in spring no high quality hay is needed
 10% waste is included in total high quality hay

Mineral 20 lbs/ewe/year		\$ 0.40	lb	\$ 2,856	
Total Ewe Feed					\$ 63,648
Lamb Feed					
	Quantity	\$	Unit		
Creep feed 21% CP	80	\$ 0.16	lb	\$ 6,833	
Finish ration 13% CP	0	\$ 0.12	lb	\$ -	
# days on pasture	0	\$ 0.05	day/lamb	\$ -	
High quality hay for replacement ewes (2.5 lb for 120 days)	14	\$ 200.00	ton	\$ 2,888	
Corn replacement ewes (1 lb for 120 days)	10500	\$ 0.09	lb	\$ 945	
Milk replacer	18	\$ 1.09	lb	\$ 10,474	
Total Lamb Feed					\$ 21,139
Other Expenses					
	Quantity	\$	Unit		
Shearing	2	\$ 2.50	/ewe	\$ 1,750	
Marketing-trucking		\$ 5.00	/ewe or lam	\$ 2,267	
Milk production testing (# of times tested)	7	\$ 1.25	/ewe/time	\$ 2,603	
Vet-Med		\$ 5.00	/ewe	\$ 1,750	
Supplies sheep		\$ 5.00	/ewe	\$ 1,750	
Supplies milking		\$ 8.00	/ewe	\$ 2,380	
Bedding straw (lb/ewe)	250	\$ 0.05	/lb	\$ 4,375	
Electricity freezer (very variable)		\$ 0.05	/lb of milk	\$ -	
Electricity other				\$ 3,035	
Machine operation cost				\$ 1,500	
Ram cost (1/3 of rams changed every year)				\$ 1,400	
Maintenance and repair				\$ 1,500	
Vehicle expenses				\$ 1,500	
Hired labor for milking (hours)	1216	\$ 11.50	/hour	\$ 13,978	
Hired labor for other (hours)	800	\$ 11.50	/hour	\$ 9,200	
Unplanned and unforeseen expenses				\$ 5,000	
Milk transportation (miles/week)	320	\$ 0.80	/mile	\$ 7,461	
Other Equipment rental				\$ -	
Other (office supplies-telephone-internet-fees...)				\$ 2,000	
Interest on operating loan		8%		\$ 11,859	
					\$ 75,307
Total Variable Expenses					\$ 160,094
FIXED EXPENSES					
	Investment	Terms	Interest %	High Debt	Low Debt
Farm payment	\$ 200,000	30	7	\$ 16,117	
Livestock	\$ 100,000	15	6	\$ 10,296	

80 lbs creep feed for 60 lb lambs

5 lbs of finish ration per pounds of gain if lambs raised in confinement

If lambs raised on pasture the growth will be .3 lb per day

10% waste is included in total high quality hay

If D30 system then milk replacer = 0 but milk production less by 25%

250 lbs/ewe for winter lambing, 50 lbs (or less) for spring lambing

about \$.05 per ewe per day of milking

If no hired labor Cost per hour = 0

Sheep Equipment	\$ 10,000	20	6	\$ 872	
Buildings	\$ 30,000	30	6	\$ 2,179	
Milking equipment	\$ 80,000	15	6	\$ 8,237	\$ 8,237
Freezer	\$ 12,000	15	6	\$ 1,236	\$ 1,236
Pick up truck (used)	\$ 5,000	5	6	\$ 1,187	\$ 1,187
Machinery	\$ 20,000	5	6	\$ 4,748	\$ 4,748
Feed storage	\$ 5,000	10	6	\$ 679	\$ 679
Other	\$ -	10	6	\$ -	\$ -
Property Taxes				\$ 2,000	\$ 2,000
Insurance				\$ 1,000	\$ 1,000
Total				\$ 48,552	\$ 19,087
RETURNS				High debt	Low debt
Total Income				\$ 52,628	\$ 52,628
Less Variable Expenses				\$ 160,094	\$ 160,094
Return to Labor and Capital				\$ (107,466)	\$ (107,466)
Less Fixed Expenses				\$ 48,552	\$ 19,087
Return to Labor and Management				\$ (156,018)	\$ (126,553)
Per Ewe				\$ (446)	\$ (362)

