



Date 11/11/2013 Farm Example Herd

1. Production Losses Due to Subclinical Mastitis Check if no SCC data available

There are separate formulas for calculation for production loss due to subclinical mastitis.

For heifers the goal Average Linear Score is 2.0 and the annual Loss per linear score above that is 200 lbs.

For cows the goal Average Linear Score is 2.5 and the annual Loss per linear score above that is 400 lbs.

A. Calculate pounds lost for 1st lactation cows

No. Head 39 x [(2.1)Ave. Linear Score - 2.0) x] 200 lb, milk = 780 lbs. milk lost

B. Calculate pounds milk lost for 2+ lactation cows

No. Head 61 x [(2.7)Ave. Linear Score - 2.5) x] 400 lb, milk = 4880 lbs. milk lost

A+B = annual 5660 total lbs. milk lost

C. Calculate Monthly Production Loss Due to Subclinical Mastitis

(Milk Price / lb. 0.19 x Total lbs. Milk lost 5660 /12 =

Current Monthly Production Lost = \$90

2. Opportunity From Milk Quality Premiums Your SCC Goal _____

Premium opportunity information needs to come for the processor who is buying your milk.

A. Calculate potential premium difference

Max. SCC premium @ goal	<u>0.56</u>	\$/cwt.
Current SCC premium	<u>0.45</u>	\$/cwt.
Potential premium difference	<u>0.11</u>	\$/cwt.

B. Calculate monthly premium opportunity

Avg. cwt. Milk shipped/ month	<u>1970</u>
x potential premium difference	<u>0.11</u>

Current Monthly Premium Opportunity= \$217

Estimated losses from clinical mastitis: How much does a clinical case cost on your dairy?

Loss to clinical mastitis is a calculation of actual expenditures of the average drugs and culturing, milk out of the tank and the veterinary and labor expense for each individual case of mastitis. It does not take into account any costs related to fertility, culling, long term production loss or other less visible costs. It also does not assume an expected incidence rate.

A. Average cost of drugs and culturing per clinical case (include oxytocin and fluid costs) (A) \$27

B. Average cost of discarded milk
 (# days 8 x 76 lbs/milk/day x 0.19 milk/price/lb) (B) \$116

C. Average veterinary and labor costs per clinical case (C) \$20

A + B + C = Total Cost per case \$163

Number of clinical cases last month 3.5

Number Clinical Cases X Total Cost Per Case = Current Monthly Cost =

Loss from Clinical Mastitis = \$571

LINEAR SCORE (units)	LINEAR SCORE (tenths)									
	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0	12	13	14	15	16	18	19	20	22	23
1	25	27	29	31	33	35	38	41	44	47
2	50	54	57	62	66	71	76	81	87	93
3	100	107	115	123	132	141	152	162	174	187
4	200	214	230	246	264	283	303	325	348	373
5	400	429	459	492	528	566	606	650	696	746
6	800	857	919	985	1056	1131	1213	1300	1393	1493
7	1600	1715	1838	1970	2111	2263	2425	2599	2786	2986
8	3200	3430	3676	3940	4222	4525	4850	5198	5572	5971
9	6400	6859	7352	7879	8445	9051	9701	10397	11143	11943

----- SOMATIC CELL COUNTS (x 1000) -----

