

MILK QUALITY INVESTIGATION CHECK SHEET

HERD FINANCIAL DETAILS

Name: Address:	Veterinarian: Address:
Telephone:	Telephone
DHIA Y/N Herd Codes:	Date of Visit: ETA:
Breed:	No. of Milking cows:
RHA milk/cow/year (lbs):	No. of Dry Cows:
Milk shipped / year (lbs):	No. of Culls for mastitis in last 12 months:
	Cull Cow Price \$/lb:
	Average weight of Cull Cow (lbs):

MILK SALES

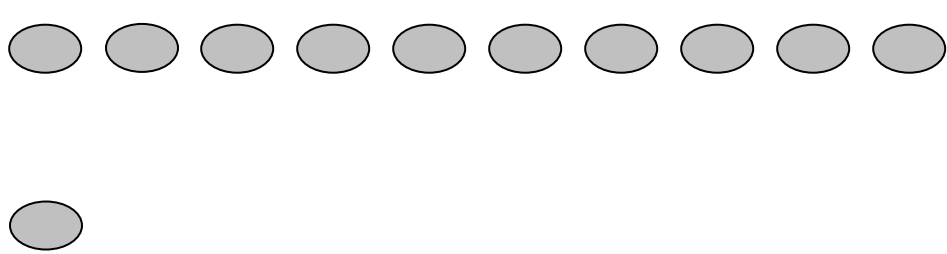
Milk Processor:	SCC Details	SPC Details
	Mean SCC	Mean SPC
Average Milk Price \$	Goal SCC	Goal SPC
@ % Fat	Mean SCC Premium	Mean SPC Premium
@ % Protein	Goal SCC Premium	Goal SPC Premium

SEASONAL TRENDS

Record Annual variation in SCC, SPC and Mastitis case incidence

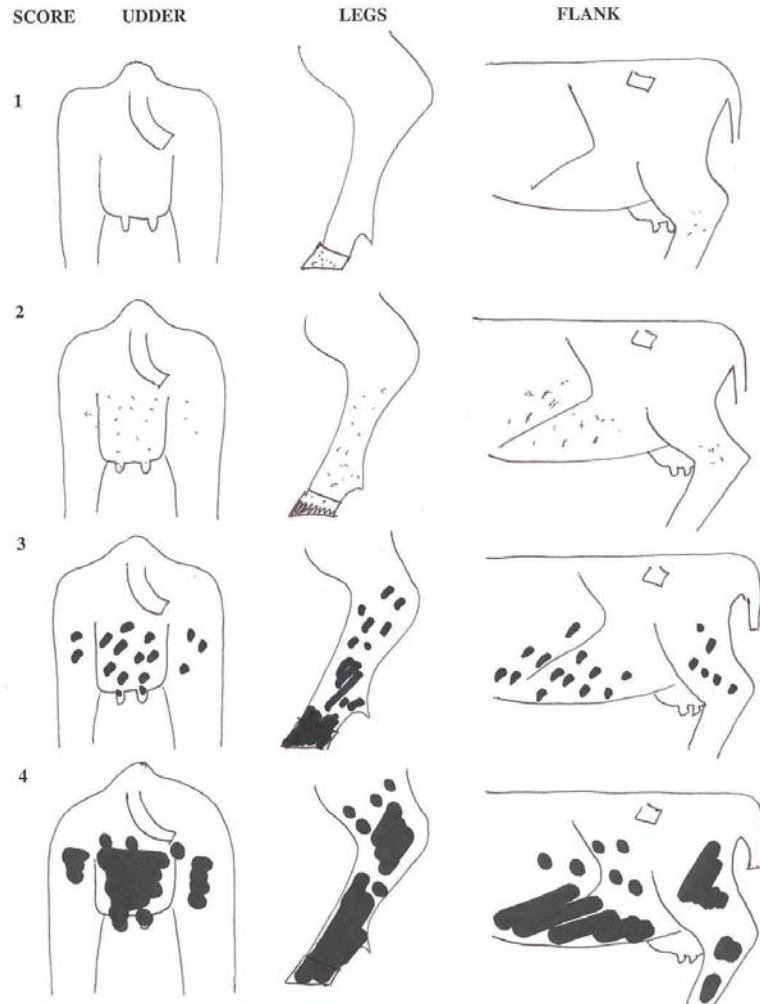
900													45
800													40
700													35
600													30
500													25
400													20
300													15
200													10
100													5
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	

MILKING PROCEDURES

MILKING TIME									
	TIME TAKEN	NO. OF MILKERS	COWS /MILKER /HOUR	MILKING ORDER F H L T ST					
AM START									
AM STOP									
PM START									
PMSTOP									
3X START									
3X STOP									
UDDER PREPARATION									
PRE-MILKING				POST-MILKING					
Pre-dip Product				Post-dip Product					
Application	Dip / Spray / Foamer			Application	Dip / Spray				
Wipe	Paper / Cloth /			Delay to dip	Short / Long				
Strip	Y/N			Coverage % teat					
	Floor / Cup			Dip Usage / week					
Gloves	Y/N			Cold Weather?					
	Type			Unit Detacher Settings	Delay				
Udder	Clipped / flamed / hairy				Flow Rate				
Tails	Docked / clipped / hairy				Ohm Setting				
PREPARATION SEQUENCE									
Strip Dip Wipe Apply		1 2 3 4 5 6 7 8				Dip Strip Wipe Apply			
									
MILKER PERFORMANCE (1=Poor, 2=OK, 3=Good)									
	Milker 1			Milker 2			Milker 3		
Observe foremilk	1	2	3	1	2	3	1	2	3
Pre-Dip coverage	1	2	3	1	2	3	1	2	3
Air at attachment	1	2	3	1	2	3	1	2	3
Alignment of unit	1	2	3	1	2	3	1	2	3
Machine stripping	1	2	3	1	2	3	1	2	3
Detachment	1	2	3	1	2	3	1	2	3
Post-Dip coverage	1	2	3	1	2	3	1	2	3
Glove Hygiene	1	2	3	1	2	3	1	2	3
Correct Liner Slip	1	2	3	1	2	3	1	2	3


HYGIENE SCORING (Score 25% of cows in each pen)

Key:



COW	UDDER	LEGS	FLANK	COW	UDDER	LEGS	FLANK
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
	1 2 3 4	1 2 3 4	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4
% 3+4				% 3+4			

HOUSING (Bedded Pack)

PEN NUMBER			
TYPE OF COW	Lactating / Far Dry / Close Up Dry / Maternity / Post-Fresh		
NUMBER OF COWS		AREA	
Stocking Density			
Base	Concrete / Lime / Earth / Sand / Mat / Mattress	Manufacturer:	
Bedding	Type:	Depth:	Renewal:
Design & Dimensions			
			
Bedding Storage	Clean & Dry / Wet & Damp / Moldy		

HOUSING (Freestall)

PEN NUMBER			
TYPE OF COW	Lactating / Far Dry / Close Up Dry / Maternity / Post-Fresh		
TYPE OF HOUSING	Free-stall		
NUMBER OF COWS		NUMBER OF STALLS	
Stocking Density			
COWS STANDING IN STALLS		COWS TOUCHING A STALL	
Stall Standing Index	Cows Standing in Stalls / Cows in Stalls (<15%) =		
Base	Concrete / Lime / Earth / Sand / Mat / Mattress		Manufacturer:
Bedding	Type:	Depth:	Renewal:
% Beds with Manure Piles		Frequency of Passageway Scraping / Flushing	
Design & Dimensions			
Bedding Storage	Clean & Dry / Wet & Damp / Moldy		
% Cows with hock abrasions			

HOUSING (Tiestall / Stanchion)

PEN NUMBER			
TYPE OF COW	Lactating / Far Dry / Close Up Dry / Maternity / Post-Fresh		
TYPE OF HOUSING	Stanchion / Tie-Stall		
NUMBER OF COWS		NUMBER OF STALLS	
Stocking Density			
Base	Concrete / Lime / Earth / Sand / Mat / Mattress	Manufacturer:	
Bedding	Type:	Depth:	Renewal:
% Beds with Manure Piles			
Design & Dimensions	<p>The diagram shows a side view of a cow stanchion. It features a 'Cow Trainer' at the top, a 'Width' measurement at the front, and a 'Neck chain length to collar =' measurement at the bottom. Various vertical and horizontal dimension lines indicate the height and length of different parts of the structure, including the stall opening and the base.</p>		
Bedding Storage	Clean & Dry / Wet & Damp / Moldy		
% Cows with hock abrasions			

MILKING MACHINE CHECK SHEET

Machine test frequency:		Date of Last test:	
Machine manufacturer:		Age:	
Basic Layout:			
Rubberware	Milk hose / Pulsator hose / Short milk tube / Short Pulsator tube		
Liner Life: Last changed ____ Expected Life = 1000 X units () / Cows () x 2* = days			
Liner type:		Shell type:	
Mouthpiece diameter:		Bore:	Length:
Milk Line:	Slope:	Diameter:	Units/Slope: Actual Allowed
Inlet Size: (5/8")		Location:	
Claw Piece Type:		Weight:	Outlet Diameter(5/8")
Top or Bottom unloading?			
Cracks?:		Hygiene?:	Air Bleeds Open?:
Regulator Type:		Sensor?	Hygiene:
Location:		Pop off valve?	
Vacuum Recovery Time:		(<3sec)	Override: (<0.5")

CLEAN UP INVESTIGATION CHECK SHEET

LAB DATA	COLI COUNT		LPC
Milk Filters: Condition		Frequency of change: (4h max)	
Hoses & Pipelines: Dead Ends?		Diameter changes? Y /T?	
Visible films:		Dissolve in acid / alkali	
Bulk Tank Type:		Visible films: Pick-up Temp: (below 38F in 30mins)	
Wash Procedure AM PM		Automated / Manual	Shock Treatments?
Detergent Make:		Concentration:	Temperature Range:
Acid Rinse Make:		Concentration:	Temperature Range:
Capacity of Water tank:		Temperature:	
Capacity of Vat: L x W x H / 231 =		Gallons (x3.8 = Litres)	
(1" length = 1 gallon in most vats, 1.5 gallons in Surge vats, aim for 5" depth at all times during wash)			
Wash Procedure	Pre-milking Sanitizer	Pre-Wash Rinse	Detergent Wash
Start Temp			
End Temp			
Cycle Time			
Concentration			
pH			
Targets	200 ppm chlorine 95 – 110 °F	110 – 135 °F	> 120 °F 5 – 10 minutes pH 11 - 13
Unit Flow (aim 0.8 gallons/min)	Near Side 1 Side 2	Middle Side 1 Side 2	Far Side 1 Side 2
Air Injection			
Time Open Actual:		Target: $\frac{\text{Distance from AI to REC}}{28 \text{ feet/sec}} = \text{-----} = \text{sec}$	
Measured Slug Velocity =		feet/sec Vacuum Drop = "Hg	
Injector Problems:	Does receiver fill > 1/3 during wash ? Does Sanitary Trap Valve close during wash ? Does > 5 gallons water drain from balance tank ? Does Air Injector close just before slug hits Receiver jar ?		

