Herd Owners Informed Consent Form





Study Investigator: Pamela Ruegg, DVM, MPVM, University of WI – Madison Student researcher: Robert Rowbotham 920-948-3429 [Rowbotham@wisc.edu]

Study Invitation:

You are invited to participate in a project that will be evaluating the association of milk quality to types of bedding used on Wisconsin dairy farms producing at least 25,000 pounds of milk daily. The study is being funded by the Grande Cheese Company which will publically share all published results. Your individual information will not be made available to the Grande Cheese Company or identified in any publications. Participation in this study is completely voluntary. If you agree to participate, we will ask you to take part in an interview lasting approximately 15 to 30 minutes where you will be asked questions about your milk quality, bedding practices, and related milk quality management practices.

There is no direct benefit guaranteed from participation in this study; however, upon completion of all dairy producer interviews and an initial data analysis, you will receive preliminary study results. If you are interested, you will also receive the final study results along with any articles published using these results.

You are free to withdraw from the project at any time. The researchers may use the information learned from this study in scientific presentations and journals. None of the information will identify you or your farm personally or be released to the Grande Cheese Company.

Authorization to participate in the research study:

I certify that I am the owner or authorized agent (manager) of a herd of dairy cattle maintained at the following address:				
I certify that I have read this statement a received a copy of this consent form.	and I voluntarily agree to pa	rticipate in this study. I have		
Signature of herd owner/manager	print name	Title		
DATE:	PHONE:			
Signature of person obtaining consent	print name			
DATE:	PHONE:			

Su	rvey	/ Qı	ıesti	onnaire FARM ID:
ST	UD	YΓ)AT	E:/
Ass	<u>soci</u>	atic	n o	Milk Quality to Bedding Types on Medium and Large Scale Wisconsin Dairy Farms
CAF	PITAI TRU	LIZEI CTIO	O FOI	O THE INTERVIEWER (INT): NT INDICATES THAT THE QUESTION IS NOT TO BE READ OUT LOUD. THESE SECTIONS CONTAIN OR THE INTERVIEWER OR POTENTIAL CODED ANSWERS (WHEN AN OPEN-ENDED QUESTION IS ASKED R IS CODED AS IT IS ANSWERED).
ALL	NO	N-CA	APIT/	LIZED TEXT IS TO BE READ AS PART OF THE QUESTIONNAIRE
and	l mill	k qu	ality	<u>IDENTIFICATION OF FACILITY DESIGN</u> re is divided into two parts. The first part asks questions about your milking facilities, bedding practice related management practices you use on your farm. The second part asks about specific milk quality the milk you sell from your farm.
1.	Do	you	regu	arly produce at least 25,000 pounds of milk daily? (CIRCLE YES OR NO)
IF N	ю, т	HAN	IK TI	IE PRODUCER FOR THEIR TIME, THE PROCESS IS COMPLETED
IF Y	ES, F	PRO	CEED	WITH THE SURVEY QUESTIONNAIRE
2.	Hov	w ma	any c	ows are you currently in your milking herd?
3.	Hov	w ma	any c	f these cows currently have their milk discarded (not sold)?
4.	Hov	w ma	any p	ounds of milk did you sell yesterday (of the nearest available day)?
5.	Wh	at is	you	Rolling Herd Average milk production?
6.	Hov	w is	milk	stored and cooled on your farm?
	A.	Cod	oled	and stored in a bulk tank
	В.	Cod	oled	by a chiller and stored in a bulk tank or silo without cooling
	C.	Cod	oled	by a chiller and stored in a transport trailer or truck without cooling
			IF A	OR B, ASK:
			7.	Does your bulk tank or silo have agitation?(CIRCLE YES OR NO)
			IF C	ASK:
			8.	Are your transport tankers or trucks housed under shade?(CIRCLE YES OR NO)
9.	Wh	at is	you	on-farm milk pickup (or trailer load) temperature?
				RATURE IS TO BE READ FROM THE BULK TANK THERMOMETER OR TEMPERATURE RECORDING DEVICE E TEMPERATURE FROM EACH AVAILABLE BULK TANK OR STORAGE SILO
		10.	A. B.	R EACH TEMPERATURE, IDENTIFY THE SOURCE OF THE TEMPERATURE AS: BULK TANK THERMOMETER TEMPERATURE RECORDER UNAVAILABLE (NO EXTERNALLY READABLE THERMOMETER) OR ESTIMATE BY PRODUCER
11.	Hov	w fre	eque	ntly is your milk picked up from your farm?
	A.	Му	milk	is picked up every hours.
12.	Hov	w fre	eque	ntly is your bulk tank or silo washed?
	A.	Му	bulk	tank or silo is washed every hours.
	В.	Му	milk	purchaser washes my transport tanker or truck at their dairy plant.
13.	Hov	w fre	eque	ntly is your bulk tank or silo sanitized?
	A.	Му	bulk	tank or silo is sanitized every hours
	В.	Му	milk	purchaser sanitizes my transport tanker or truck

Su	rvey	y Questionnaire	FARM ID:
ST		Y DATE://	Interviewer:
	C.	I do not sanitize my bulk tar	nk or silo
14.	Hov	w frequently do you utilize DI	HI (Dairy Herd Improvement) or other individual cow milk Testing?
	A.	I use DHI every	_ months.
	В.	I do not use DHI testing	
		IF A, ASK:	
		15. Do you receive Son	natic Cell Count (SCC) data with your testing reports?
		A. Always	
		B. Occasionally	
		C. Never	
16.	Hov	w frequently do you utilize th	e CMT (California Mastitis Test)
	A.	Daily	
	В.	More than once per week	
	C.	Weekly	
	D.	Every two weeks	
	E.	Monthly	
	F.	Occasionally	
	G.	Never	
		IF NOT G ASK:	
			nine which cows to test using the CMT? (MORE THAN ONE ANSWER MAY B SOME, MOST, OR ALL WHERE AVAILABLE)
		A. All cows are te	ested
		B. Fresh cows are	e tested (Some, Most, All)
		C. Purchased cov	vs are tested (Some, Most, All)
		D. Cows showing	signs of mastitis are tested (Some, Most, All)
		E. Cows with high	h SCC from testing are tested (Some, Most, All)
18.	Hov	w often is a manager present	during milking?
	A.	Always	
	В.	For portions of every milkin	g shift
	C.	Only during daytime milking	
	D.	Only when problems are sus	spected
	E.	Occasionally, when it seems	s necessary
	F.	Never	
	G.	Other	
19.	Do	you use a pre-dip?	
	A.	Always	
	В.	Sometimes	
	С	Never	

IF A or B, ASK

Su	Survey Questionnaire				FARM ID:
ST	UD	Y D			Interviewer:
			20.	What type and brand of teat dip is used? FROM LABEL)	(GET INFORMATION
			21.	Do you use liquid or foam dip?	
			22.	Do you use a dipper or sprayer?	
23.	Do	you ι	use a	post-dip?	
	A.	Alw	ays		
	В.	Son	netin	nes	
	C.	Nev	er		
			IF A	or B, ASK	
					(GET INFORMATION
			25.	Do you use liquid or foam dip?	
			26.	Do you use a dipper or sprayer?	
				Do you wipe the dip off prior to milking?	
				IF YES, ASK	
				28. What do you use to wipe off the	e dip?
				A. Paper towel	•
				B. Individual cloth towel	
				C. Cloth towel used for two co	ows (one cow per side)
				D. Cloth towel used for more	
				E. Other	
29	Dο	vou f	ores	trip as part of your milking procedure?	
_5.		Alw		inp as part or your mining procedure.	
	В.	Son	-	nec .	
	С.	Nev			
30				ther test cleaning or milk preparation de	vices such as teat scrubbers? (CIRCLE YES/NO)
50.	DO	IF Y			vices such as teat scrubbers: (Cincle 125/110)
			•		
22	۔			recognize subclinical mastitis?	
32.			•	· ·	ALL APPROPRIATE TO CODE RESPONSE.
	1. 11			T POSITIVE	ALL AFFROPRIATE TO CODE RESPONSE.
				T POSITIVE NDUCTIVITY OR OTHER TEST PRO	VIDED BY MILKING EQUIDMENT
				HER COWSIDE SOMATIC CELL COL	
				NTHLY DHIA SOMATIC CELL COUN	
					STITIS IS → GO TO PART "II" OF QUESTION
				/ER HAVE SUBCLINICAL MASTITIS	STITISTS 7 GO TO PART II OF QUESTION
				NOT CHECK FOR SUBCLINICAL MA	2911120
					L MASTITIS IS, SAY, "Some ways you might identify
	sub	clini	cal r		le somatic cell count test, or monthly DHIA somatic cell

Su	rvey Qu	estionnaire	;	FARM ID:
ST			//_	Interviewer:
		CMT positiv		
			side SCC test	
		-	IIA SCC scores	
			subclinical mas	
22			ck for subclinica	
33.	Do you		use separate miik	ing units for high SCC cows? (CIRCLE YES or NO)
		IF YES, ASK:		1,000
			you segregate Hi	
		_		vs to a separate milking facility such as a hospital barn with its own parlor
		В.		vs to a separate pen and milk them in the same parlor as other cows
		C.		lking units for these cows as they come through the parlor with other cows
			IF B, AS	
			35.	Do you milk this pen last? (CIRCLE YES OR NO)
				ess than four quarters?%
37.	Do you		n milking protoco	l?(CIRCLE YES OR NO)
		IF YES, ASK:		
				s to the written milking protocol in their native language?(CIRCLE YES OR NO)
39.	Do you	have a writte	n mastitis treatme	ent protocol? (CIRCLE YES OR NO)
		IF YES, ASK:		
		40. Do all m YES OR		s to the written mastitis treatment protocol in their native language? (CIRCLE
41.	How ma	any times per	year do you take	bulk tank cultures?
42.	Under v	vhich conditio		cow bacterial cultures taken? (MULTIPLE ANSWERS MAY BE MARKED) R EACH LINE, FILL IN LINE IF "OTHER"
	A.	Fresh cows a	are cultured (All, I	Most, Some, Few, None, Other)
	В.	Clinical Mast	titis Cases are cult	tured (All, Most, Some, Few, None, Other)
	C.	Cows with H	ligh SCC are cultu	red (All, Most, Some, Few, None, Other)
	D.	Purchased a	nimals are culture	ed (All, Most, Some, Few, None, Other)
	E.	Other		
43.	IF YES,	ASK REMAINI	NG QUESTIONS C	from May 2010 to April 2012? (YES / NO) (CIRCLE ONE) ONCE ONCE FOR EACH BEDDING TYPE AND RECORD DATES
44.	What is		oundation materi	al under your cow beds (examples include, concrete, clay, dirt,
45.	Do you	use a base be	dding material ov	ver the foundation and under the bedding such as matresses or tires? (YES/NO)
	IF YES,	ASK		
	46.	What is this	layer?	
47.				rial? ES. CHOICES NOT ON THE LIST ARE ALLOWED

STUDY I		FARM ID: Interviewer:
A.	All bedding is replaced every days/weeks/mon	iths
	Bedding in the back of the stall is replaced every	
C.	Bedding is never completely replaced	
D.	Other	
	ften is additional bedding added?	
50. How o	ften is bedding groomed? THAN ONE ANSWER MAY BE SELECTED	
A.	Bedding is raked or manure removed from the stalls eve	erydays/weeks
В.	Bedding is mechanically groomed and mixed every	days/weeks
C.	Bedding is not groomed	
D.	Other	
• FC	OR EACH MILKING PARLOR FROM WHICH MILK IS SOLD, F JESTIONNAIRE SHEET	ILL OUT AND ATTACH ONE MILKING PARLOR
• FC	OR EACH FARM, COMPLETE AN AUTHORIZATION TO RELE	ASE MILK QUALITY INFORMATION FORM
 D D C M M M N S S St 	igester Solids (Plug Flow Digester) igester Solids (Complete Mix Digester) omposted Digester Solids (Plug Flow Digester) omposted Digester Solids (Complete Mix Digester) omposted Digester Solids (Complete Mix Digester) anure (Composted) (anure (Dried) (anure (Raw) o Bedding asture and (Fresh) and (Recycled) (raw (Corn Stalks) (raw (Other)	er)
StW	raw (Wheat) ood shavings/Sawdust (Dried)	
• W	ood shavings/Sawdust (Green/Wet)	

	•	_		ionnaire E://	FARM ID: Interviewer:
					s on Medium and Large Scale Wisconsin Dairy Farms
FO	R EAG	CH N	11LK	R QUESTIONNAIRE SHEET: ING PARLOR FROM WHICH MILK IS S E SHEET	OLD, FILL OUT AND ATTACH ONE MILKING PARLOR
1.	Do	you	sell t	the milk harvested in this parlor? (CIR	CLE YES OR NO)
IF N	10, D	00 N	от с	COLLECT MORE DATA ABOUT THIS PA	ARLOR
2.	_	_		THERE IS MORE THAN ONE PARLOR (name of this parlor?	
		SO	ME E	XAMPLES ARE (MAIN PARLOR, SECON	ND PARLOR, HOSPITAL BARN, OLD PARLOR)
		IF T	HE I	NTERVIEWEE IS UNCLEAR, YOU MAY	GIVE SUGGESTED NAMES
3.	Wh	at T	ype (of a parlor do you have?	
	A.	Sid	е Ор	ening (Tandem) (Autoflow) Parlor	
	В.	Hei	ring	bone (Fishbone) Parlor	
	C.	Par	allel	(Side by Side) Parlor	
	D.	Sw	ing (Swing-Over) Parlor	
	E.	Fla	t Bar	n Parlor	
	F.	Rot	ary	(Carousel, Turnstile) Parlor	
			IF N	NOT F ASK:	
			4.	How many stalls are on one side of	your parlor?
			5.	How many sides does your parlor ha	ave?
				TWIN DOUBLE 24 PARLORS (96 COV	VS TOTAL) SHOULD BE LISTED AS 24 STALLS PER SIDE AND 4 SIDES
			IF F	ASK:	
			6.	How many stalls does your carousel	have?
7.	7. Does your parlor have a mechanical device to keep the milking units from falling to the parlor platform after detachment?			ep the milking units from falling to the parlor platform after	
		A.	Yes	s, Full support arm	
		В.	Yes	s, Other	
		C.	No	, hose support only	
8.	Wh	at b	rand	and model of liner are you using?	
		A.	BR	AND:	
		В.	Mo	odel:	
9.	At t	he e	nd c	of milking is your parlor:	
		A.	Vei	ry Clean	
		В.	Cle	an	
		C.	Ne	ither clean nor dirty	
		D.	Slig	thtly Dirty	
		E.	Vei	ry Dirty	

10. Do you use this parlor all year or do you have different parlors for different seasons?

Survey Questionnaire	FARM ID:	
STUDY DATE:/	Interviewer:	
A. Same parlor all year		
B. Different Parlor for Different Seasons		
IF B, ASK		
11. Which Months do you use this parlor?		
A. Fromto		



Authorization to Release Milk Quality Information

I authorize	to release the milk quality information for milk that I have shipped in
	from May 1, 2010 to April 30, 2012 to researchers at the University of Wisconsin – Madison
•	n in the dataset to be used for the Association of Milk Quality to Bedding Types on Medium
	Scale Wisconsin Dairy Farms study.
This inform	nation will be collected and stored by Dr. Pamela Ruegg. Data made available to other
researcher	s working on this project will not contain any personally identifying information regarding the
farm or mil	k processor.
Only the fo	llowing information is to be released:
For each m	onth:
1.	Total pounds of milk
2.	Somatic Cell Count (SCC) one of the following
	a. Weighted Average SCC for the month and the number of counts taken
	b. Individual SCC results and the corresponding pounds for each result
	 Researchers will calculated a weighted average SCC
3.	All Total Bacteria Counts (TBC) and pounds of milk for the pickup/delivery, and the type
	method of counting
	a. Example: if there were 15 Bacteria Counts for a month, there will be 15 values for
	each bacteria count and pounds for the month
	b. Examples of TBC: Specific Plate Count (SPC), Plate Loop Count (PLC), PPLC (Petri
	Plate Loop Count), Bactoscan or IBC electronic count reported as SPC equivalent
Farm STUD	Y ID:
Farm NAM	E:
ADDRESS:_	
	(print)
Farm Owne	er/authorized agent

Date

Signature of herd owner/authorized agent