

Minnesota DHIA News

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Keeping your Reproduction Program in Check

Pregnancy Rate

Dr. Leo Timms spoke at the annual meeting on March 23rd on the importance of DHIA records. When looking at all the terms related to reproduction, pregnancy rate (PR) stands out as the most significant. Dr. Timms stated that if your PR is good everything else falls into place. PR is a standardized measure of successfully catching a cow in heat and breeding her, resulting in a pregnancy. This logically makes PR an important factor in your reproduction program. The quicker you find cows in heat and get them bred, the better your reproduction program.

REPRODUCTION
Calving interval
Days open
VWP / DFB
Heat detection %
Conception rate
Services / conception
Pregnancy rate
FRESH COWS

What is your PR?

Before you are able to set a goal you have to know where you are at. The most common report requested by our members is the 302 Herd Summary. Pregnancy rate is located on the Consultant side under Reproduction Summary. Got software? Both Dairy Comp 305 and PCDart allow you to track your PR.

Pregnant Animals	Cows	Heifers
Animals	137	47
Conceived at First Service (%)	47	70
Services per Conception	2.1	1.5
Pregnancy Rate (%)	21	
Open Period (days or mo)	113	14
Calving Interval (months)	12.9	22.8
CI - Standard Deviation (months)		

Management Calving Interval = 13.4 Months

21 Day Pregnancy Rate Goals

Excellent: PR 28% - 35%

- Allows culling for voluntary reasons
- Allows sale of dairy replacements
- Internal herd expansion possible

Good: PR 20% - 27%

- Able to maintain static herd size
- Some culling for voluntary reasons

Average: PR <20%

- May need to purchase cattle to maintain herd size
- Voluntary culling next to impossible

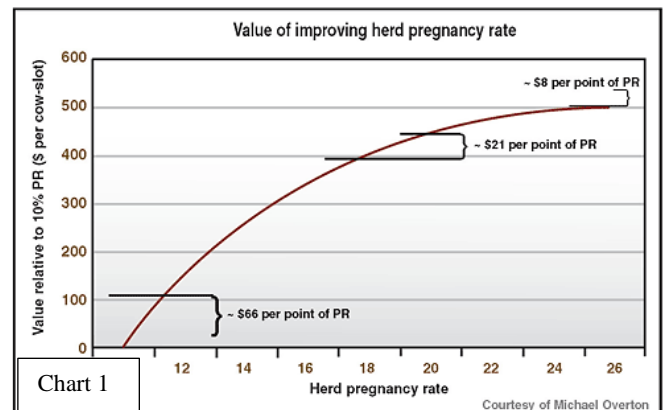
Making Goals

Now that you know your PR what's your goal? If your current PR is 16, setting a goal of 30 might not be realistic. Take the S.M.A.R.T. approach and define goals for your herd that are specific, measurable, attainable, realistic, and timely. In the example of a PR of 16 maybe set a goal of 18 or 20. Once that is achieved set a new goal.

What do you gain?

Pregnant cows keep the dairy progressing. Following Chart 1; if you raise your PR from 16 to 18 your economic return is \$13,200 on 100 cows. By increasing PR cows will have less DIM which would increase milk production. More pregnancies also mean more calves which become either replacements allowing you to selectively cull less profitable cows or sellable calves.

Want to see Dr. Timms full presentation? Check out the Minnesota DHIA Facebook Page.



Milk Pregnancy Testing as easy as 1,2,3

1. Select the cows

- Have your Field Representative print a list of cows that fit your criteria for an initial pregnancy check or a recheck.
- Review the list and add or eliminate cows as you want.

TAKES SECONDS



2. Collect the sample

- On test day this is already done!
- You can do this outside of your test day. Contact the DHIA lab in your area and they will send you sample vials.

3. Get Results

- The lab will email you your results back.
- Results are automatically loaded into your cowfile for herds with on-farm software or directly loaded into your field representative's computer.

Instantly

It's simple, convenient, labor saving, and cost effective. Pregnancy testing through milk is an easy addition to your reproduction program.

~Dairy Comp 305 Tip - Sort/Filter BREDSUM~

BREDSUM is a great tool to look into your breeding program. By selecting BREDSUM in your menu options you will get the stats for your entire herd. 4-Technician allows you to analyze each technician's performance. Want to look further into your Pregnancy Rate? Select E-21 day pregnancy risk and view how you are doing month by month in your repro program. You can view lactations, pens, and other sorts or filters by typing BREDSUM into the command line followed by a "FOR" or "BY" statement; for example: BREDSUM for LACT=1 will show the stats for lactation 1 animals only. After hitting enter in the command line you will be either brought to your report or prompted for the same BREDSUM options as usual. Once you select a report it will only be for that specific group of animals which you selected.

Which BredSum Option ?

```
1 Exit
2 Sire
3 Stud Code
4 Technician
5 breeding code
6 number times Bred
7 Q-sum graph
8 Heat efficiency
9 Interval analysis
A Prostaglandin analysis
B day of the Week
C Calendar month
D cycle Number
E 21 day pregnancy risk
F multi-variate adjustment
```

For more software tips visit www.mndhia.org

50th Anniversary of Minnesota DHIA

Congratulations on your 50th anniversary.

The data and reporting the University of Minnesota is able to access because of the work of DHIA has been vital to much of the research that we do to support the dairy industry.

All the best,

Trevor

Trevor R. Ames DVM MS DACVIM

Professor and Dean

College of Veterinary Medicine

University of Minnesota



Congratulations on achieving your 50 year milestone of service to dairy farmers! This achievement is a testament to strong leadership and strong value in providing data collection, lab services and management information to many dairy producers across your service area. We at DRMS are proud to have been given the opportunity to collaborate with MN DHIA since 2007 and we look forward to continue helping you serve dairy producers.

Best regards,

John Clay, PhD

Director Dairy Records Management Systems

A New Tool in Milk Production and Herd Health!

Fatty acid analysis, which looks at DeNovo, Mixed, and Preformed Fatty Acids in bulk tank milk, is now available at Minnesota DHIA labs. Gain components without losing production, sounds like a win-win situation.

Consult your Nutritionist!

Background:

For bulk tank milks, the interpretation of the data helps understand how well the herd (or subgroups within the herd) are digesting forage and producing DeNovo fatty acids. The preformed fatty acids give insight into how the cows are doing with respect to body fat reserve and mobilization of body fat. The chain length and fatty acid unsaturation values provide some insight into how the cows are using dietary fat and flags herds that have a high probability of being in classical trans fatty induced milk fat depression. This, combined with the milk weight per cow per day and the calculated lactose production per cow per day provides some insight into the status of glucose metabolism in the herd.

New Milk Analysis Tools to Improve Animal Performance - Dr. Dave Barbano." Progressive Dairyman.

Fatty acid profiles overall provide insight to:

- Diet and dietary changes
- Management and environment changes
- Physiological state of the cow
- Energy Balance

Are you ready to get into the fields?

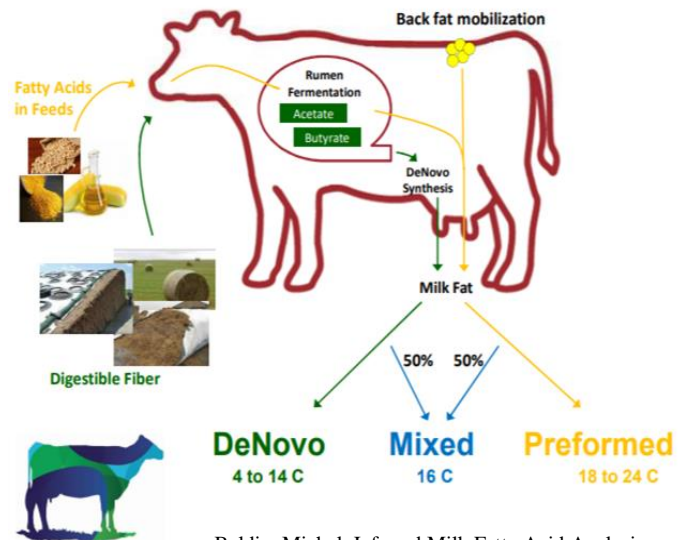
Don't forget these safety tips



Ways of improving tractor operator safety:

- Always mount and dismount on a tractor's left side - to avoid controls.
- Ensure an approved cab or roll-over protective structure (ROPS) is fitted.
- If there is a risk from falling objects, fit a fall-on protective structure.
- Wear hearing protection, and remember, not all tractor cabs are sound proof.
- Have an up-to-date maintenance schedule.
- Follow safe maintenance and jacking procedures.
- Adjust the seat so all controls are safely and comfortably reached.
- Keep all guards in place, including the power take-off.

USDA-ARS -2016



Baldin, Michel. Infrared Milk Fatty Acid Analysis.

To get started:

1. Contact your nutritionist
2. Contact the DHIA lab for supplies
Minnesota DHIA –Zumbrota Lab
-507-732-5880
Stearns DHIA Laboratories
-800-369-2697
3. Results are emailed to your nutritionist for interpretation.

How to collect samples for FA Profile

- Bulk tank samples should be collected at minimum for 5 days. (i.e. 5 samples if everyday pickup, 3 samples if every other day pickup.)
- If the dairy has multiple tanks a sample must be taken from every tank for the 5 day span.
- Samples must be refrigerated during the collection period and shipped in correct packaging to maintain temperature. DO NOT FREEZE.

Congratulations to:
Southeast Regional Manager
Jim Sheehan for 30 Years of Service

March Milk Quality Leaders ranked by SCC, then Log SCC

*denotes herd owner name used in lieu of farm name

SCC in thousands i.e. 68 = 68,000

Name	SCC	# Cows	Name	SCC	# Cows
*MARK KLEHR	32	57	SUNSHINE ACRES	71	209
CIRCLE DRIVE HOLSTEINS	35	18	*RICHARD B BITZAN	72	67
SCHEFERS BROTHERS	36	77	*MARVIN RADEMACHER	72	57
KARA-KESH HOLSTEINS	36	11	*KENNETH&JACKIE THURK	72	20
*LYNN + RACHEL MILLER	41	94	*BRIAN LIBBESMEIER	72	70
BOETTCHER DAIRY	42	165	SELKE FARMS	73	243
GREGORY DAIRY LLC	43	87	MERDAN DAIRY	73	83
LINDAHL FARMS	46	125	RADERMACHER DAIRY LLC	74	219
*TIMOTHY L JOHNSON	47	37	THOMPSON FAMILY DAIRY	75	203
MILLER DAIRY	48	63	ROADSIDE DAIRY	75	137
HAPPKE HOLSTEIN FARM	49	110	*ALAN OVERLAND	75	26
*MITCH MEHRWERTH	50	55	VALLEY VIEW FARM	75	136
BILL & NORMA ROUSAR	51	48	*TIM&SARAH AHO	76	153
BURKE DAIRY INC	51	190	*PETER+DAVID BURFEIND	76	320
*JEFF PETERMEIER	52	46	SONDAG DAIRY	76	40
*ADAM & SARAH MELLGREN	52	72	*DARYL PATNODE	76	103
*BRUCE & JODI HEIM	53	363	*LESTER DONNA BANSE	76	194
LEISEN FARMS INC.	53	68	*ANDY & DARIENNE FRICKSON	77	100
*JAMES & BETH OLSON	54	65	H&J POPPLER ROY MARSCHALL	77	297
*JEREMY BEYER	54	39	*MARK BROSIG	77	238
JOHNSON DAIRY	56	109	*NATHAN & BRIDGET GIBBS	78	180
LINDO FARMS	57	45	BECHTOLD BROS	78	59
OAK LANE DAIRY	58	136	GROTH FAMILY FARMS	78	62
OPSAHLS HOLSTEINS	58	40	SCHULTE FARMS	78	278
*FRANK & IONE PATRICK	59	57	CHAMBERLAIN HOLSTEINS	79	142
*ROGER & MARY SWART	59	60	*DALE & KATHY DALQUIST	79	29
TWIN SPRUCE	60	80	*BRENT MERGEN	79	55
FARBER FARMS	60	143	HIGH POINT DAIRY	80	129
KIEFLAND HOLSTEINS LLC	61	348	STELLING FARMS	80	303
BIRCH POINT FARMS PESHON	62	297	*RICK AND ANN STOCKER	80	86
*MATT BERKTOLD	62	186	*BRUCE AND RUSS NELSON	80	89
BREEZY WILLOWS FARM	62	52	BROOKSIDE DAIRY	80	489
BERGLANE	62	35	*JOHN MALONE	80	44
HOUDEK DAIRY LLC	63	449	THEISEN DAIRY	81	111
STADICK FARM INC	63	154	SHEA DAIRY	82	832
*JERRY & BEV POHLMANN	64	75	*CALVIN AND TAMMY BEUMER	82	63
*JOHN TROUT	64	44	BREEZY POINT FARM LASKA	83	137
*GREG AND KRISTIN MAHONEY	65	13	DEER BROOK FARM	83	358
RKB DAIRY	66	131	ROHE DAIRY LLC.	84	296
HANKS DAIRY	66	72	*DEAN HORST	85	55
*DENNIS AND WAYNE WOLTERS	67	148	HIDDEN HILL DAIRY LLC	85	358
KELLER DAIRY	67	119	*PAUL+ANN NIBBE	85	36
*GARY LIESER	67	44	HOEFS' DAIRY	86	278
BEAVER OAK DAIRY/REDS	68	133	KUECHLE DAIRY	87	236
*BRANDON STOMMES	68	99	*JEFF BLENKER	87	29
*JOHN SAUBER	68	60	SHIR-MAN HOLSTEIN FARM	87	66
*MIKE AND DONNA TELLERS	68	53	*TREVOR DICKE	88	108
SMELTER DAIRY	69	69	RIVER VALLEY DAIRY LLC	90	108
SCHMITT DAIRY	69	96	HOFFMAN NORTH-CREEK	90	414
CASEY O'REILLY DAIRY	70	97	RYBERG REG HOLSTEIN	90	33