

# Minnesota DHIA News

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## Johne's Research Update

Researchers at the University of Minnesota Department of Veterinary Population Medicine have concluded an extensive study on Johne's Disease in the Midwest. One of the major challenges with Johne's Disease is when to test cows to find infected animals. Their research honed in on factors to determine when cows are mostly likely to be shedding the bacteria associated with the disease, which will help you identify when to test which cows.

### Which cows should I test?

- Low Milk Production
- Early Days in Milk (by 2<sup>nd</sup> DHIA Test day)
- High SCC
- Low Milk Protein



As a dairy farmer, you are very time limited so why not save time and use what you already have to find prevalence and even work towards eliminating Johne's on your farm? Johne's testing through your DHIA milk is quick and easy. This test uses the sample you already have. Also, your field tech can generate a list using the criteria you set. We can set up a Johne's testing program for your herd and help you find any positive cows.

## Summary of Practical Johne's Disease Prevention

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Johne's disease can have a severe economic impact on infected dairy herds – despite the fact that most infected cows do not show signs of disease. The most common recommendations for Johne's disease prevention on cattle farms are listed below:

- Buyer Beware! Introduction of healthy looking but infected cattle is the #1 risk factor for bringing Johne's disease onto your farm.
- Visually identify the test-positive cows in your herd.
- Identify the offspring of test-positive cows, because they could have been infected by their dam.
- Keep the calving area CLEAN
- Do not use the same tools for manure and feed handling!
- Do not let young livestock on the same pasture as mature cows/bulls. Use separate pastures rather than leader-follower approaches.
- Feed 'low risk' colostrum. Low risk" colostrum is hygienically collected from test-negative cows or heifers.
- Alternatively, feed artificial could be used, if no other 'low risk' colostrum is available.
- Keep the udders, teats and cows clean.

## Up-and-comers to the Milking string: Heifer Selection

For most farms, heifer inventory has increased over the years. This trend gives you the option to sell heifers or cull older, lower production, high scc cows, Johne's infected cows, or animals that are difficult to breed back. This gives your herd an opportunity for improvement and can provide some cash when milk prices are low. DHIA has tools already at your disposal to help you make informed decisions on which animals to keep in your herd.

### Genetic information through your DHIA records

The Heifer Genetics Monitor (DHI-429) helps you closely monitor the genetic value of both current heifers and heifers expected to be born soon. The two listings have a different purpose, but both enable you to make early decisions to help increase the herd's genetic value.

List 1 – Current Heifers	List 2 – Offspring of Pregnant Cows & Heifers (Due<61 days)
<ul style="list-style-type: none"> <li>Records are sorted by Projected Heifer Cow Tank (PHCR)</li> <li>PCHR shows the heifer's genetic potential for delivering Merit\$ relative to the Merit\$ level of the current milking herd. Heifers with a PHCR of 99 have genetic potential that is higher than the genetic potential of 99% of the current milking cows.</li> <li>(G) will appear if the animal has been genomically tested.</li> </ul>	<ul style="list-style-type: none"> <li>Presents expected offspring of cows or heifers due within the next 60 days in two columns.</li> <li>Expected Offspring records are sorted by due date with the earliest births listed first.</li> <li>Heifers without parent averages will appear last.</li> </ul>

**List 1: All Heifers**

Barn Name	Brd	Age	Hfr Flag	NM\$	G	Prj Hfr Cow Rank
1113	HO	16	N 20	+662	G	99
1143	HO	7	N 20	+554	G	99
1082	HO	21	N 20	+554	G	99
1151	HO	6	N 20	+545	G	99
1132	HO	9	N 20	+530	G	99

Barn Name	Lact No.	(sort) Due Date	Offspring		
			PA NM\$	Prj Offsp Hfr Rank	Prj Offsp Cow Rank
1058	H	3-07	+499	72	99
1066	H	3-12	+639	98	99
1072	H	4-02	+530	87	99
1070	H	4-02	+529	86	99
1077	H	4-02	+453	39	98

Interested in ordering this report? The cost is 3¢ per cow or a maximum of \$20 for the herd. Ask your Field Tech to order the report, which can be ordered monthly or on-demand.

## Have Dairy Comp 305 and Genomic Test Results?

You have the option to have your results loaded into Dairy Comp. If you have found that you are only using a portion of your results, we can help you create lists for comparison for only the traits you are interested in. We understand that there is a lot of data to look at so let us help you simplify our decision making process.

Call our software support team today.  
800-827-3442  
Heather Ext. 37 – Patty Ext. 17



## What is new with NM\$?

On July 5th, 2018 the Council on Dairy Cattle Breeding (CDCB) released 2018 revisions to, “Net merit as a measure of lifetime profit”. What is the big change? Six new health traits have been added to the equation for genetic evaluations. This is a big step because these conditions add extra cost to raising the animal, such as extra labor, production losses, and treatments. These conditions are mastitis, ketosis, retained placenta, metritis, displaced abomasum, and milk fever.

As an industry, we are working toward improvement. Using the genetic progress predicted from the new net merit information we can expect progress worth \$1.4 million/year nationally. Emphasis has shifted over the years, “Emphasis on yield traits has declined as other fitness traits were introduced. As protein yield became more important, milk volume became less important because of the high correlation of those 2 traits.”

If you would like to learn more about these changes, visit <http://www.mndhia.org/links.html> for the link to the full article.

## What is there to gain in fat & protein? ←

Your Current #s						
Milk	Fat	Prot	Fat \$/lb.	Prot. \$/lb.	Fat Pro \$ per cow	
25,000	3.3%	2.9%	2.4915	2.0378	2,055	1,477
After Fat & Protein Improvement						
Milk	Fat	Prot	Fat \$/lb.	Prot. \$/lb.	Fat Pro \$ per cow	
25,000	3.7%	3.1%	2.4915	2.0378	2,304	1,579
Gain			Difference per cow/yr		\$249 fat	\$102 pr

For each tenth of a percent increase in butterfat, value of the milk increases by \$62.28 per cow per year. So an increase of .4 as in the example above yields an additional income of **\$249 per cow** per year.

On 50 cows that is \$12,500 for the herd for the year.

On 100 cows it is \$25,000 for the herd for the year.

For each tenth of a percent increase in protein, value of the milk increases by **\$51** per cow per year.

An increase of two tenths from 2.9% to 3.1% in the example yields an additional **\$102** per cow per year.

On 50 cows that is an increase of \$5,100 for the herd for the year.

On 100 cows it is \$10,200 for the herd for the year.

So if you can raise butterfat and protein tests, as in this example, on 50 cows, you would increase value of the milk produced by **\$17,600** for the year. On 100 cows = **\$35,200**. & on 250 cows = **\$88,000**.

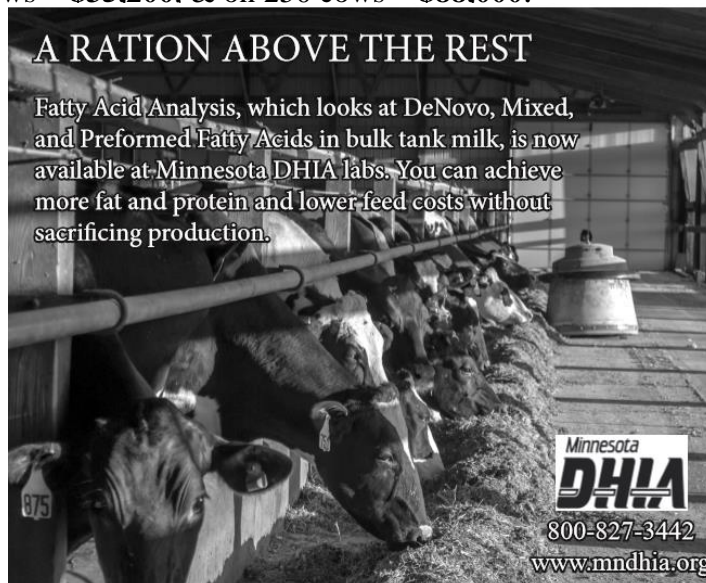


### Thanks

**Heather Thyen**  
(Dairy Comp  
Support)  
For 10 Years of  
Service

## A RATION ABOVE THE REST

Fatty Acid Analysis, which looks at DeNovo, Mixed, and Preformed Fatty Acids in bulk tank milk, is now available at Minnesota DHIA labs. You can achieve more fat and protein and lower feed costs without sacrificing production.



Minnesota  
**DHIA**

800-827-3442

[www.mndhia.org](http://www.mndhia.org)

## July 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
STARLIGHT ACRES	16	6	BROOKSIDE DAIRY	86	496
MONTAG DAIRY	36	68	*KENNY ROHE	86	162
BOETTCHER DAIRY	38	170	HOLKER DAIRY	87	68
KARA-KESH HOLSTEINS	43	14	BILL & NORMA ROUSAR	87	49
BEAVER OAK REDS	45	17	BERGLANE	88	33
*JOHN HOLMGREN	46	14	*LONNY MOEHNIG	90	82
*MARK KLEHR	48	55	*JERRY & BEV POHLMANN	91	69
THREE GALS GUERNEYS	48	4	NU-DIMENSION HOLSTEINS	92	42
*MITCH MEHRWERTH	49	50	STELTER HOLSTEIN DAIRY	93	282
*DENNIS AND WAYNE WOLTERS	50	156	KIMM'S DAIRY	93	83
CRONK DAIRY	51	38	*STACY & JULIE MILLER	94	95
HAPPKE HOLSTEIN FARM	56	114	HESSE FAMILY DAIRY	95	88
*JOSH AND JON FRENCHICK	58	24	GEHL ACRES FARM	95	145
KIEFLAND HOLSTEINS LLC	60	357	ACKERMAN FARMS	95	97
BIRCH POINT FARMS PESHON	62	315	IMAGE-POINT DAIRY	95	68
RIVER VALLEY DAIRY LLC	62	109	*DEVOINE KRUSE	95	225
MARSHALL KORN	62	59	*ADAM & SARAH MELLGREN	97	75
TWIN SPRUCE	63	86	RKB DAIRY	97	130
*ANDY & DARIENNE FRICKSON	64	101	*ROGER ALDINGER	97	99
BURKE DAIRY INC	64	186	LEISEN FARMS INC.	97	67
HOUDEK DAIRY LLC	65	462	*MICHAEL REDALEN	98	214
*MATT BERKTOLD	65	189	FITSCHEN BROS	99	307
*BILL & ALAN MILLER	66	263	BEAVER OAK DAIRY	99	125
GESKE-GROVE DAIRY	66	3	*TIM HINRICHS	99	107
*DEAN RAUSCH	67	70	SCHREIBER BROS	99	53
*RICK AND ANN STOCKER	68	86	LINDAHL FARMS	100	122
GREGORY DAIRY LLC	68	83	CLOVER GLEN SWISS	100	40
*SCOTT GATHJE	70	70	*VINCENT & SHERI SEXTON	101	81
HOFFMAN NORTH-CREEK	72	413	BORST FAMILY DAIRY LLC	101	285
*JEFF BLENKER	72	32	*JOEL AND NICOLE GROSS	101	45
JOHNSON DARREN+LYNN	73	213	*ANDREW PRIMUS	101	39
HOEFS' DAIRY	74	281	*BRUCE & JODI HEIM	102	369
SELKE FARMS	75	241	HARMONY CORNERS JERSEYS	102	16
*STEVE MARTIN	75	65	ROADSIDE DAIRY	103	139
CIRCLE DRIVE HOLSTEINS	76	19	*NICOLE GUISEWHITE	103	118
*ROGER & MARY SWART	77	55	*CHAD BOHN	103	44
DEER BROOK FARM	77	327	CZECH ROADSIDE ACRES	105	519
*MARK BROSIG	77	245	FAIRVIEW DAIRY	105	310
*GREG AND KRISTIN MAHONEY	77	16	RUSSEL J WIRT	105	537
*KEITH ROOT	78	99	FILK FARMS	106	85
JOHNSON DAIRY	78	107	METOGGA LAKES DAIRY LLC	107	418
SMELTER DAIRY	80	64	*TREVOR DICKE	107	103
*JAMES TESSMER	81	49	*MARVIN RADEMACHER	107	58
DORITY VALLEY DAIRY	82	107	*TIM&SARAH AHO	108	156
KUGATH FARMS	82	43	*NICK PRAMANN	108	99
*SCOTT&MICHELLE HERBER	83	621	WOLF CREEK DAIRY	109	452
SUNSHINE ACRES	84	206	CLARK FARMS,LLC	109	502
*STACI SEXTON	84	64	BLUE HORIZON FARM	110	597
*PETER+DAVID BURFEIND	84	332	*LESTER DONNA BANSE	110	194
*MICHAEL & KRIS BANSE	85	103	*BRANDON STOMMES	110	97
*JOHN WENNINGER	85	37	PETERM&LYNN HENDRICKSON	110	90
			GUNDERSON BROS	110	63