

Central Star 2025 **BIG BOOK**



**FROM GET MORE
YOUR** GENETICS.
REPRODUCTION.
MILK.
HERD'S HEALTH.





Dairy Greatness from Great Lakes Farmers



Founded in 1916, the Michigan Milk Producers Association (MMPA) is a farmer-owned milk marketing cooperative and dairy processor. MMPA's member farms, located throughout the Great Lakes Region, lead the way in quality milk production. Nationally recognized for their commitment to quality, MMPA serves its member-owners every day, not only by marketing their milk, but by providing services and opportunities to all.





Building a better herd, one *CALF* at a time

Remember that feeling? The one you get when a cow goes Excellent, or when your top producer delivers a healthy heifer calf. It's that feeling that all the hard work, late nights, and decisions are leading to real progress. It's knowing you've done your best.

While the dairy industry continues to evolve, growing larger and more complex in some instances and more niche in others, some things never change. There's still satisfaction in seeing a healthy newborn calf stand and knowing it carries the best genetics for your future milk herd. Or, if it's a calf destined for beef, that it's made of genetics growers want, because they're thrifty and built to hit the ground growing. When the best decisions are made for every calf on the farm, it drives your operation's success.

This year's Big Book digs into what it truly means to **get more** out of your genetics, your herd's health, your data, and your reproduction programs. With the right tools and strategies, you can make every calf count; from that special heifer to the beef x dairy calf, both add profit to your bottom line.

This year, our ReproStar Award winners showed what's possible when you combine commitment with expertise. By partnering with their CentralStar teams, they achieved remarkable levels of reproductive efficiency and created more sustainable herds. Their success stories start on page 23 and remind us that getting more from your herd begins with genetics and reproduction, but extends far beyond those initial steps.

The year-end top-DHI reports highlight how some of the best in the industry are using their data to drive success. Look for the "get more" features addressing key areas to impact your herd's health and performance, along with insights from several CentralStar team members.

At CentralStar, we believe every calf has value and potential, and our goal is to help you unlock it. By partnering with the CentralStar team, you gain access to a network of experts who bring knowledge, hands-on experience, and a passion for your success. Working alongside you, our team will help you transform data into actionable insights, optimize herd-management strategies, and maximize the potential of every animal.

So, let's chase that feeling. With the right strategies and support, every calf, every breeding decision, every data point can contribute to building a better herd, one calf at a time.

On behalf of the CentralStar team,

Kelly Bristle
Director, Member Relations and Promotions

CentralStar Big Book

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On the cover

ReproStar Award Winner, Reed Dairy Farm, Owosso, Mich. L to R: Elizabeth (Liz), Malissa, and Steve Reed. Photo by The Mattesons Photography.

Fine print

Reports and Key Performance Indicators are based on the period of 10/1/23 - 9/30/24. Owner-sampler and commercial herds are not eligible for report rankings. Energy Corrected Milk (ECM) calculation = (pounds of milk x .327) + (pounds of fat x 12.95) + (pounds of protein x 7.65). Herds with cows milked more than 2X per day are labeled as 3X herds.

Minimums to appear include:

- Number of processed tests = 9 or a DCR >90
- Herd size: 25 cows
- Minimum ECM: mixed-breed and high-protein-breed herds: ≥19,000
- Minimum SCC report: ≤100,000 SCC and ≥20,000 ECM



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PIONEER AWARD CHARLIE WILL

In the late 1970s, Wisconsin dairy producers weren't exactly rolling out the welcome mat for a fresh-faced Michigan Animal Breeders Cooperative (MABC) salesman named Charlie Will. Farmers were strongly loyal to their local breeding cooperative, and as the first person in northeastern Wisconsin to sell Select Sires genetics, Charlie often faced resistance. He remembers vividly: "I was told by more than one dairyman to, 'get out of here – we already have a co-op.' We even had a farmer meeting where people from the local breeding cooperative showed up and said, 'We don't need another co-op here.' But then a farmer named Jerry Stencil (Denmark, Wisc.) stood and fired back, 'They have a lot better bulls than you, so get out.' They left, and Jerry became a great customer and friend."

What started with cold calls and closed doors in Brown County gradually blossomed into a growing territory for the cooperative. Charlie's persistence converted skeptics into loyal customers, helping the cooperative expand throughout the state. But as nearly everyone knows, Charlie's story and impact to the cooperative (now known as CentralStar), Select Sires, and the industry doesn't end there.

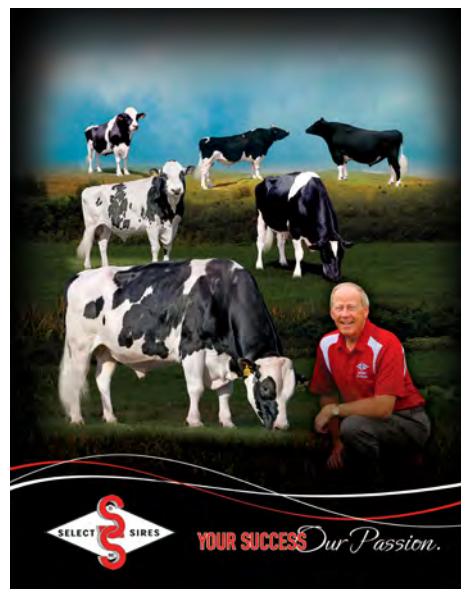
Born and raised on a dairy farm in southern Illinois, Charlie's love for cattle and respect for farmers fueled his entire career in genetics. Originally, Charlie sought a role at Select Sires in the sire department, however, fate had a different plan. While reading Hoard's Dairyman, he saw a sales position in

Indiana for, then, MABC, marking the start of his journey into dairy genetics.

For four years, Charlie opened new markets and helped grow the cooperative's presence with farmers. Although he enjoyed his role as a salesman and part-time genetic evaluator at the cooperative, he was grateful when Select Sires General Manager Dick Chichester hired him as an Assistant Sire Analyst in 1978. Charlie recalled, "After I had been at Select Sires 10 years, I had a bull come in that had a pretty good proof – BLACKSTAR. It was at that time, that Dick, the sire team, and the member-managers signed a letter that said I was officially off probation."

For more than 43 years, Charlie contributed to the sire development at Select Sires, leading as Holstein Sire Program Manager for 20 years. In these roles, he had a direct hand in shaping the genetics of the Holstein breed. "I always wanted to be part of something that would impact cattle across the country," Charlie recalled.

Over the years, Charlie introduced bulls that would go on to define entire eras of dairy genetics. Iconic names like MARK, BLACKSTAR, OMAN, DURHAM, ELTON, ROTATE, and BLITZ set new performance standards, and became hallmarks of his career. "OMAN held the #1 TPI® spot in the industry longer than any other bull in history, and we sold more than 1.5 million units of BLITZ," Charlie said. "Bulls like these truly made a difference for dairymen, and that's what I'm most proud of."



Through his decades of work, Charlie helped shape Select Sires' legacy, while staying focused on one key goal: to improve the economic viability of dairymen across the country. His legacy is one of dedication and a deep commitment to serving farmers, traits that have left a lasting imprint on the industry.

Charlie and his wife Linda live in Marysville, Ohio, where they enjoy spending time with their family.

The CentralStar Pioneer Award was established in 1977 to recognize individuals who, through unselfish and dedicated service as leaders, have provided the cooperative and its members greater prosperity, today, and a more secure tomorrow. The Pioneer Award is presented by the CentralStar Board of Directors.





EpriGard®
(eprinomectin)

Pour-On for Beef and Dairy Cattle

**SAME
ACTIVE AS
EPRINEX®**

**BEST
PRICE
ALWAYS**



**WEATHERPROOF
FORMULATION**

**ZERO
MILK
DISCARD**

**ZERO
MEAT
WITHDRAWAL**



Also check out Dectogard™ (doramectin topical solution) Pour-On which contains the same active ingredient and control regimen as Dectomax® (doramectin) Pour-On, but at a fraction of the cost per head.

EpriGard® (eprinomectin) Pour-on – the dairy manager's new low-cost, broad-spectrum weapon against 39 species and stages of internal and external parasites

PROTECTING THE LEGACY

Part of protecting your legacy is protecting your dairy cattle investment against profit-robbing parasites.

Now you can get max protection
without hurting your profits with EpriGard®



Scan for dosing
instructions
and more

www.aurorapharmaceutical.com



Proudly Made in the USA

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GET MORE FROM YOUR GENETICS AND REPRODUCTION

Leverage breed-leading genetics and proven reproductive programs to maximize your herd's potential and productivity. We can help you with day-to-day reproduction work and the strategic plans necessary to optimize heifer inventory, while providing programs to maximize your beef x dairy calves.



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GENETIC IMPROVEMENT

➤ Access to the world's best dairy, beef, and crossbreeding genetics to create the herd you want. Take your genetic selection to the next level when you enroll in Select Sires' NxGEN® program for early access to the most elite Holstein sires.



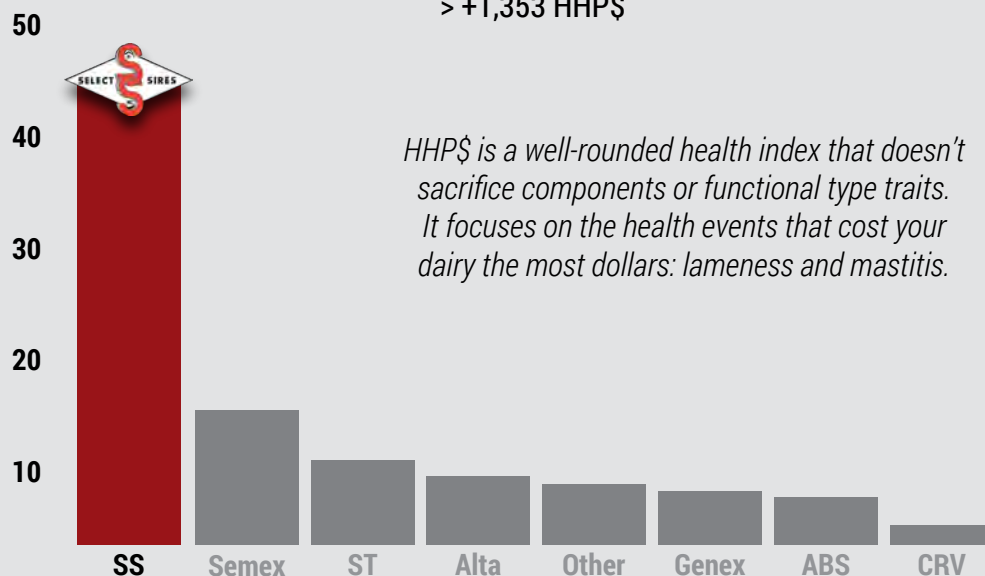
Accelerated Genetics



NxGEN

Top 100 sires for Herd Health Profit Dollars® (HHP\$®)

All active Holstein proven & genomic young sires
> +1,353 HHP\$



HHP\$ is a well-rounded health index that doesn't sacrifice components or functional type traits. It focuses on the health events that cost your dairy the most dollars: lameness and mastitis.

Source: August 2024. *Herd Health Profit Dollars and HHP\$ are registered trademarks of Select Sires Inc.



GET
STARTED
TODAY!



REPRODUCTION MANAGEMENT

- Utilize professional A.I. Specialists to manage your herd's reproductive needs including heat detection, breeding, and synchronization program administration.
- Add CowManager®, a revolutionary life-time ear-tag sensor that works 24/7 to detect the health and fertility status of every animal.

INVENTORY MANAGEMENT

- Apply customized mating recommendations to optimize your herd's genetics and inventory needs.
- Use genomic testing to identify genetically superior animals for making future herd replacements.
- Strategically use sexed and conventional dairy semen, custom-selected beef semen, and full-beef embryos to optimize inventory management.

HERD PERFORMANCE MONITORING

- Even when the individual areas of your dairy are operating at top performance, opportunities for optimizing total outcomes still exist. CentralStar Consultants track trends, troubleshoot areas impacting performance, and provide insights to key management areas, helping you to get more from your herd.

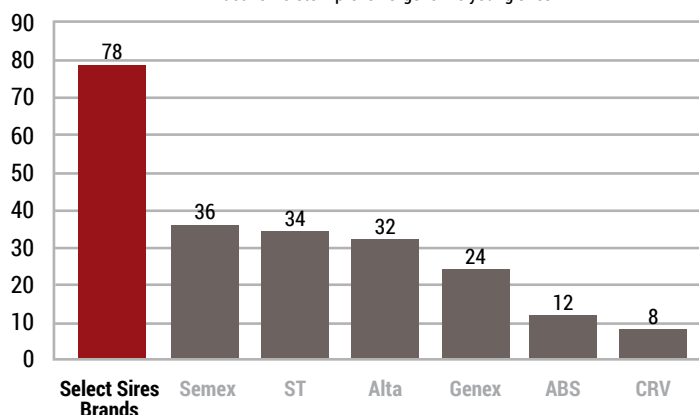


OPT FOR SUPERIOR GENETICS *EVERY* TIME!

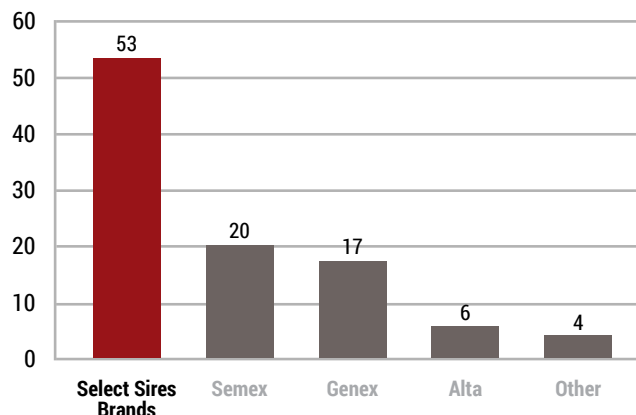
SEE THE COMPLETE LINEUP



Elite fat & protein production with mastitis resistance
 $\geq +180$ Combined Fat & Protein (CFP) pounds and $\geq +3.0$ MAST
 All active Holstein proven & genomic young sires



Top 100 genomic young sires for DWP\$**
 $\geq +1,353$ DWP\$



**DWP\$ not available for ABS and ST. *Ties broken by GPTA Protein, then GPTA Fat. August 2024: Holstein Assn Listing of Top 100 DWP\$ Genomic Young Bulls, Genomic active sires.
¹Validation of genomic predictions for a lifetime merit selection index for the US dairy industry. DWP\$® is a registered trademark of Zoetis Services LLC.



CAPTURE GENETIC TRENDS *LIKE NEVER BEFORE!*



UNPRECEDENTED
 EARLY ACCESS
 TO THE INDUSTRY'S
 MOST VALUABLE
GENETICS.



MINIMIZE
 GENERATIONAL INTERVAL
WHILE MAXIMIZING
 GENETIC GAIN.



DIRECT-SHIPPED TO YOU,
 ARRIVING
 WITHIN DAYS,
NOT WEEKS.



APPLY TO
 NxGEN
 TODAY!





FROM CALF TO COW

LIFETIME MONITORING. MAXIMIZE PERFORMANCE.



SCAN NOW

Monitor your herd's health and productivity from calf to cow with our lifetime ear sensors. They provide real-time data to detect diseases early and tailor treatment by age, allowing you to address health, fertility, transition, and nutrition issues anytime. Our lifetime ear sensors follow your herd from birth throughout every life phase.

By combining Artificial Intelligence with ever-evolving algorithms, you receive accurate, comprehensive, and manageable information. This allows you to take proactive action. Our new, durable sensors come with a lifetime warranty, and we provide you with local support whenever you need it. We manage the tech so you can focus on what truly matters—your cows!



AHEAD OF THE HERD TOGETHER

www.cowmanager.com

GET MORE FROM YOUR MILK & HERD DATA

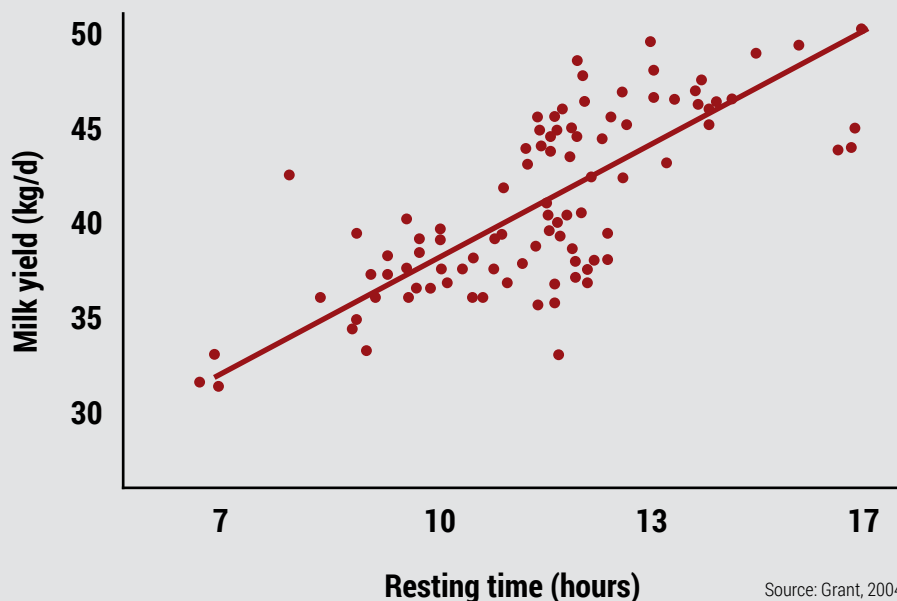
Routine DHI testing collects essential data from just a few ounces of milk, delivering powerful insights into your dairy herd's productivity, health, and profitability—all for only pennies a day. By incorporating automated solutions like milk-based diagnostics, DHI allows cows to maintain their natural routines, which research has proven enhances herd health and profitability while reducing labor demands on your dairy farm. With DHI testing, you gain the ultimate early-warning system, enabling you to detect and resolve potential issues before they escalate into costly problems.



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The case for minimizing disruptions

One hour of lost resting time leads to approximately 3.5 lbs. less milk per cow per day.



Higher-producing cows rest more

Daily behavioral time budget for top 10% of cows by milk production and average milk production cows (h/d).¹

Activity	Top 10%	Average
Eating at manger	5.5	5.5
Resting	14.1 ^a	11.8 ^b
Standing in alleys	1.1 ^b	2.2 ^a
Perching in stalls	0.5 ^b	1.4 ^a
Drinking	0.3	0.4

^{a,b}Means within a row differ (p<0.05)

¹Adapted from Matzke (2003)

GET
STARTED
TODAY!



DATA-DRIVEN MANAGEMENT DECISIONS

- Accurate data collection.
- Customized DHI programs for any size herd and set-up.
- Seamless data transfer to breed associations.
- Official test types meet CDCB requirements.
- Records processed through DRMS, the largest dairy records processing center in the USA!

CONVENIENT & COST-EFFECTIVE DIAGNOSTIC TESTS

- Use milk samples to gain insights for health and physiology, saving you time and eliminating labor to find, sort, and lock-up cows.
- Add analysis for A1/A2, BVD, BLV, Johne's, mastitis, pregnancy and more.
- Perform multiple tests on one sample.
- Send samples direct to lab or through routine DHI testing.

TURN DATA INTO ACTION

- Choose from hundreds of standard printed reports or custom build reports specific to your herd.
- Maximize milk quality with FREE SCC reports.
- Leverage DART (formerly PCDART) dairy management software and mobile-app for convenient access to insights for herd management. Interfaces with most major milking and electronic heat- and health-monitoring systems. Affordable per-cow pricing, local support, and FREE program updates.



GET MORE WITH ENDLESS MANAGEMENT REPORT OPTIONS



SCC Hot Sheet - FREE

Provides SCC scores for all cows and ranks their contribution to the bulk tank. Emailed within 24 hours of sample processing.

Index	Barn	Milk	Fat %	Pro %	SCS	Count	MUN	DIM	Lact	CAR	W/O	%
1409	1409	88.5	3.2	2.6	8.6	4851		79	6		140	12.7
1521	1521	80.3	3.4	3.0	8.5	4526		185	4		123	10.8
1884	1884	82.3	4.4	3.4	7.5	2263		160	2		115	5.5
1758	1758	70.0	5.1	3.4	7.1	1715		179	3		109	3.6

7 Test Days with Herdmate Deviation (220)

Tracks trends for milk and SCC. Lactation-to-date data includes deviation from herdmates, ranking cows within the herd.

Batch	Breed	Permanent ID	SCC and Milk Weights by Test Day							Sample Day Data			Barn Name	Lactation To Date										Projected 305 2X ME			Times Bred	Bred Date	Due Date																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Test Date 03-30	Test Date 04-27	Test Date 05-27	Test Date 06-22	Test Date 07-20	Test Date 08-21	Milk	Fat%	Income Over Feed \$	Lact No.		Fresh Date	Days in Milk	Milk	Fat	Pro	CAR	Income Over Feed \$	Diff. from Herdmates	Milk	Fat	Pro																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			Milk SCC	Milk SCC	Milk SCC	Milk SCC	Milk SCC	Milk SCC	SCC	Pro%	Summit Milk	Days Dry		Age Yr/Mo	Days 3X	ERPA \$	Fat%	Pro%	Rat.	Perst. %																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Udder Health Monitor (427)

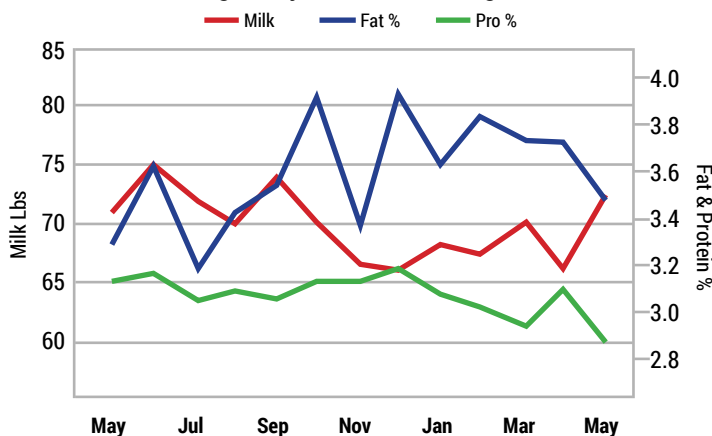
Monitors SCC by lactation group. Identifies cows to cull for poor udder health. Overview benchmarks herd with top 20% of cohort herds.

Cows to Treat or Watch - 1st Lactation																		
Infected this test or last test (SCC >= 200K (SCS >= 4.0)) and DIM >= 5																		
Index	Grp	Lact. #	DIM	Milk	SCC	Prev. SCC	Inf. Level	Lact. Avg. SCC	Prev. Lact. Avg. SCC	Tests Infected		Date 1st Infected	DIM 1st Inf.	30 Day Milk Loss	305 2X ME Milk	Prv. Lact. 305 2X ME Milk	Days Since Bred	Preg.
										#	%							
8772	3	1	226	81.2	650	429	CHR	214	~~~~	4	57	2-12-13	135	83	28,487	~~~~	150	P
8720	3	1	407	89.2	528	66	NEW	264	~~~~	7	54	7-09-12	98	77	33,155	~~~~	157	P
8726	3	1	389	57.7	348	132	NEW	100	~~~~	2	17	3-12-13	326	63	33,722	~~~~	221	P

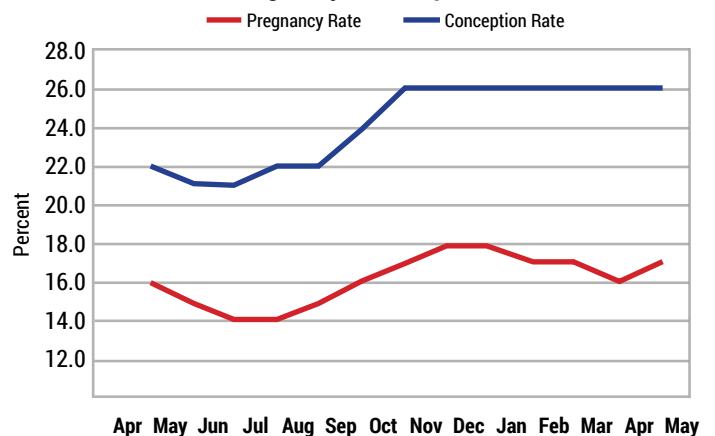
Herd Evaluator (402)

Monitor trends to trouble-shoot and identify areas of opportunity in a herd. Easy-to-read herd overview summarizes key areas known to affect profitability on Midwest dairies including average daily milk, SCC, turnover and death loss, pregnancy and conception, and herd inventory. Graphs provide quick visual with data tables providing more in-depth information.

Average Daily Milk Per Lactating Cow



Pregnancy & Conception Rates



3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
1	* Kellercree Reg Hol Inc, Mount Horeb, WI	HO	340	35,331	1,610	4.6	1,179	3.3	7.6	41,422
2	* Koester Dairy Inc, Dakota, IL	HO	410	35,700	1,590	4.5	1,136	3.2	7.5	40,955
3	* Lew-Max LLC, Belding, MI	HO	690	34,119	1,568	4.6	1,074	3.1	7.2	39,679
4	* Top-Deck Farms, Westgate, IA	HO	722	33,293	1,587	4.8	1,047	3.1	7.2	39,448
5	* Shiloh Dairy, Greenleaf, WI	HO	3,163	33,993	1,526	4.5	1,113	3.3	7.2	39,392
6	* M & C Dairy, Lime Springs, IA	HO	396	35,082	1,484	4.2	1,122	3.2	7.1	39,273
7	* Sand Creek Dairy LLC, Hastings, MI	HO	962	35,658	1,434	4.0	1,153	3.2	7.1	39,051
8	* Horsens Homestead Farms, Cecil, WI	HO	1,437	34,223	1,469	4.3	1,126	3.3	7.1	38,828
9	* Srnka Farms LLC, Algoma, WI	HO	490	35,052	1,450	4.1	1,092	3.1	7.0	38,593
10	* Blaser Farms Inc, Gillett, WI	HO	602	33,852	1,430	4.2	1,092	3.2	6.9	37,942
11	* Tom Kunkel, Cuba City, WI	HO	258	33,550	1,471	4.4	1,026	3.1	6.8	37,869
12	* Zoromski Family Farms LLC, Custer, WI	HO	475	32,765	1,434	4.4	1,106	3.4	7.0	37,745
13	* Fischer & Clark Dairy, Hatley, WI	XX	1,042	33,095	1,432	4.3	1,085	3.3	6.9	37,667
14	* Nobis Dairy Farms, St Johns, MI	HO	1,004	35,275	1,382	3.9	1,064	3.0	6.7	37,571
15	* Nathan & Tajia Retzlaff, Shawano, WI	HO	123	34,809	1,375	4.0	1,089	3.1	6.8	37,520
16	* Loehr Dairy LLC, Mount Calvary, WI	HO	593	31,570	1,457	4.6	1,036	3.3	6.8	37,117
17	* Hulstein Brothers Dairy, Hull, IA	HO	312	31,775	1,400	4.4	1,105	3.5	6.9	36,974
18	* First Farms, Ionia, MI	HO	568	33,658	1,388	4.1	1,043	3.1	6.7	36,960
19	* Abel Dairy Farms, Fond du Lac, WI	HO	4,355	31,840	1,441	4.5	1,022	3.2	6.7	36,891
20	* Gibbs Dairy, Waterville, IA	HO	611	31,688	1,439	4.5	1,028	3.2	6.8	36,861
21	* Five Star Dairy, Elk Mound, WI	HO	1,041	30,804	1,480	4.8	993	3.2	6.8	36,835
22	* Wayside Dairy, Greenleaf, WI	HO	2,619	31,024	1,471	4.7	998	3.2	6.8	36,829
23	* Banner Ridge Farms LLC, Platteville, WI	HO	559	33,365	1,371	4.1	1,067	3.2	6.7	36,827
24	* Weishaar Family Farm, Westfield, WI	HO	351	33,422	1,372	4.1	1,032	3.1	6.6	36,591
25	* Ambrosius Dairy Farm, Seymour, WI	HO	128	33,399	1,343	4.0	1,081	3.2	6.6	36,583
26	* Mark Vanderhyde - Spartan Farm, Sparta, MI	HO	269	29,755	1,528	5.1	920	3.1	6.7	36,555
27	* George Kasbergen, Mansfield, IL	HO	3,737	34,550	1,324	3.8	1,056	3.1	6.5	36,522
28	* Fred & Pat Beer, Milford, IN	HO	1,055	32,678	1,382	4.2	1,028	3.1	6.6	36,447
29	* Dan & Tim Liner, Van Dyne, WI	HO	245	33,007	1,307	4.0	1,137	3.4	6.7	36,417
30	* Harry & Gary Sanborn, Hubbardston, MI	HO	700	33,363	1,353	4.1	1,038	3.1	6.6	36,372
31	* McAllister Family Dairy LLC, New Vienna, IA	HO	276	33,221	1,340	4.0	1,065	3.2	6.6	36,364
32	* Minglewood Inc, Deer Park, WI	HO	1,373	30,770	1,404	4.6	1,053	3.4	6.7	36,299
33	* Lucky 7 Dairy, McBain, MI	HO	2,008	34,656	1,295	3.7	1,071	3.1	6.5	36,296
34	* Crandall Farms LLC, Battle Creek, MI	HO	355	32,160	1,372	4.3	1,047	3.3	6.6	36,293
35	* Newell Farms, Trufant, MI	HO	473	33,328	1,322	4.0	1,075	3.2	6.6	36,242
36	* Heimans Holsteins LLC, Marshfield, WI	HO	576	31,648	1,392	4.4	1,027	3.2	6.6	36,232
37	* Rosy-Lane Holsteins LLC, Watertown, WI	HO	1,798	30,731	1,417	4.6	1,020	3.3	6.7	36,202
38	* Sugar Creek Dairy, Elkhorn, WI	HO	649	32,829	1,337	4.1	1,056	3.2	6.6	36,128
39	* Harmen Waterlander, Pine River, WI	HO	488	32,267	1,366	4.2	1,018	3.2	6.5	36,029
40	* Curt Kohls, Gillett, WI	HO	477	31,716	1,364	4.3	1,035	3.3	6.6	35,953
41	* Tom Engelken, Earlville, IA	HO	231	31,904	1,346	4.2	1,050	3.3	6.6	35,896
42	* Seidls Mtn View Dairy, Luxemburg, WI	HO	1,154	33,306	1,314	3.9	1,042	3.1	6.5	35,879
43	* Verhoef Dairy, Colby, WI	HO	487	31,788	1,365	4.3	1,015	3.2	6.5	35,836
44	* Grass Ridge Farm LLC, Pittsville, WI	HO	598	31,037	1,355	4.4	1,057	3.4	6.6	35,782
45	* Quantum Dairy LLC, Weyauwega, WI	HO	3,801	30,228	1,403	4.6	1,008	3.3	6.6	35,765
46	* Douglas Scheider, Freeport, IL	HO	797	32,567	1,330	4.1	1,029	3.2	6.5	35,745
47	* Brad & Laura Friesen, Barron, WI	HO	222	31,683	1,353	4.3	1,015	3.2	6.5	35,646
48	* Dean Meyer, New Albin, IA	HO	2,587	28,723	1,459	5.1	956	3.3	6.6	35,600
49	* Joseph & Susan Rieden, Mount Calvary, WI	XX	633	31,838	1,333	4.2	1,036	3.3	6.5	35,599
50	* Devon & Doreen Zimmerman, Claypool, IN	HO	332	31,869	1,319	4.1	1,051	3.3	6.5	35,542
51	* Rusk-Rose Holsteins, Ladysmith, WI	HO	533	32,464	1,337	4.1	994	3.1	6.4	35,534
52	* Maly Farms, Bryant, WI	HO	510	33,804	1,282	3.8	1,029	3.0	6.3	35,528
53	* Ed Walter Farm Inc, Oshkosh, WI	HO	329	31,608	1,347	4.3	1,012	3.2	6.5	35,521
54	* Tony Rosebrugh, West Branch, MI	XX	788	32,871	1,310	4.0	1,014	3.1	6.4	35,470
55	* Moonlight Dairy Farm, Alcester, SD	HO	441	28,349	1,451	5.1	957	3.4	6.6	35,382
56	* Lehman Dairy, Sherrill, IA	HO	250	30,536	1,358	4.4	1,015	3.3	6.5	35,336
57	* Granitehill Dairy, Mosinee, WI	HO	400	30,968	1,349	4.4	1,011	3.3	6.5	35,330
58	* Todd Mark, Elmwood, WI	HO	139	31,563	1,302	4.1	1,065	3.4	6.5	35,329
59	* Jeff Lambrecht, Kewaunee, WI	HO	334	28,524	1,474	5.2	898	3.1	6.5	35,285
60	* Furseth Farms Inc, Stoughton, WI	HO	201	31,887	1,305	4.1	1,030	3.2	6.4	35,206
61	* W-R-L Daniels Farm, Whittemore, MI	HO	671	29,734	1,403	4.7	956	3.2	6.5	35,205
62	* Mike Zagata, Sebawaing, MI	HO	709	31,395	1,352	4.3	969	3.1	6.4	35,187
63	* River Crest Dairy LLC, Greenwood, WI	HO	258	30,467	1,338	4.4	1,022	3.4	6.5	35,108
64	* Brickstead Dairy LLC, Greenleaf, WI	HO	1,032	31,090	1,319	4.2	1,024	3.3	6.4	35,081
65	* Whitetail Valley Dairy LLC, Waupaca, WI	HO	291	32,253	1,287	4.0	1,025	3.2	6.3	35,055
66	* JMax, Fremont, MI	HO	1,634	32,469	1,296	4.0	990	3.0	6.3	34,974
67	* Neil Christianson, Shiocton, WI	HO	195	30,824	1,322	4.3	1,012	3.3	6.4	34,941
68	* Stuart Farms, Lowell, MI	HO	433	30,693	1,325	4.3	1,007	3.3	6.4	34,899
69	* Car Mer Farm, Galena, IL	HO	576	31,634	1,287	4.1	1,027	3.2	6.3	34,868
70	* Buning Dairy LLC, Falmouth, MI	HO	710	32,791	1,253	3.8	1,025	3.1	6.2	34,790



TOP
20%
ECM
HERDS



	3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
71	*	Wilnore Holsteins, Milton, WI	HO	83	32,190	1,267	3.9	1,022	3.2	6.3	34,752
72	*	Stutzman Family Farms LLC, Conrath, WI	HO	368	31,258	1,312	4.2	973	3.1	6.3	34,655
73	*	Yonkman Dairy, McBain, MI	HO	1,885	31,481	1,312	4.2	952	3.0	6.2	34,567
74		Dale Brinks, McBain, MI	HO	205	31,147	1,284	4.1	1,010	3.2	6.3	34,539
75		Marty Bahl, Dubuque, IA	HO	214	30,143	1,315	4.4	999	3.3	6.3	34,528
76	*	Neal Burken, Galesville, WI	HO	475	31,042	1,311	4.2	967	3.1	6.2	34,526
77	*	Pickart Dairy LLC, Malone, WI	HO	774	31,938	1,269	4.0	996	3.1	6.2	34,497
78	*	Oesch Swisslane, Alto, MI	HO	516	31,491	1,264	4.0	1,019	3.2	6.3	34,462
79		Darren Rusch, Pound, WI	HO	396	30,085	1,337	4.4	953	3.2	6.3	34,442
80		Jason & Sara Menne, Postville, IA	HO	159	30,071	1,318	4.4	985	3.3	6.3	34,437
81	*	El-Na Farms LLC, Algoma, WI	HO	2,397	31,992	1,261	3.9	998	3.1	6.2	34,426
82	*	Egan Bros & Trevor Crain, New London, WI	HO	951	31,385	1,274	4.1	1,001	3.2	6.2	34,419
83		Nathan & Kristy Mulder, Ridott, IL	HO	60	33,161	1,199	3.6	1,049	3.2	6.2	34,396
84	*	Brightside Dairy LLC, Greenleaf, WI	HO	848	32,812	1,197	3.6	1,063	3.2	6.2	34,363
85		Tim Greer, West Branch, MI	HO	633	29,946	1,371	4.6	889	3.0	6.2	34,348
86	*	Kevin & Diane Skinner, Junction City, WI	HO	548	30,975	1,285	4.1	987	3.2	6.2	34,320
87	*	Country Dairy, New Era, MI	HO	65	33,954	1,173	3.5	1,049	3.1	6.1	34,318
88	*	Gene & Connie Duschner, Farley, IA	HO	617	30,678	1,272	4.1	1,021	3.3	6.3	34,315
89	*	Jeremy Seiler, Carson City, MI	HO	379	32,588	1,222	3.7	1,018	3.1	6.1	34,269
90	*	Hopeless Dairy Inc, Sheldon, WI	HO	447	28,242	1,389	4.9	920	3.3	6.3	34,261
91	*	Todd Augustian, Kewaunee, WI	HO	1,161	31,222	1,254	4.0	1,021	3.3	6.2	34,260
92	*	Nichols Hill Dairy, Krakow, WI	HO	334	30,376	1,296	4.3	983	3.2	6.2	34,236
93	*	Pebble Knolls Dairy, Brandon, WI	HO	806	30,409	1,265	4.2	1,027	3.4	6.3	34,182
94		Ron & Nicole Wussow, Cecil, WI	HO	44	30,660	1,275	4.2	998	3.3	6.2	34,172
95	*	Stempfle Holsteins, Maynard, IA	HO	911	30,538	1,288	4.2	981	3.2	6.2	34,170
96		Charles & Christopher Weber, Elmwood, WI	HO	189	28,424	1,336	4.7	987	3.5	6.4	34,146
97	*	Royal Vista Holsteins LLC, Pickett, WI	HO	398	31,137	1,261	4.0	995	3.2	6.2	34,124
98	*	United Pride Dairy LLC, Phillips, WI	HO	1,770	29,932	1,289	4.3	996	3.3	6.3	34,100
99	*	Wesselcrest, Greeley, IA	HO	305	29,083	1,308	4.5	1,000	3.4	6.3	34,099
100		Derek Brimeyer, Sherrill, IA	HO	166	32,023	1,230	3.8	1,004	3.1	6.1	34,081
101	*	Rolling Hills Dairy LLC, Luxemburg, WI	HO	1,781	30,236	1,290	4.3	976	3.2	6.2	34,059
102		Schuh View Dairy LLC, Kaukauna, WI	HO	1,380	28,832	1,391	4.8	864	3.0	6.2	34,051
103		Ronald & Nancy Felten, St. Cloud, WI	HO	486	30,117	1,279	4.2	996	3.3	6.2	34,031
104		Silvershea Holsteins LLC, Omro, WI	HO	177	31,816	1,249	3.9	974	3.1	6.1	34,029
105	*	Craig Hedrich, Brillion, WI	HO	440	30,926	1,263	4.1	986	3.2	6.2	34,012
106	*	Cross Farms, Oshkosh, WI	HO	2,000	30,668	1,254	4.1	1,011	3.3	6.2	34,002
107	*	Kenealy Dairy Farms, Cadott, WI	HO	663	29,490	1,314	4.5	958	3.2	6.2	33,988
108		Hillebrand Farms, Cornell, WI	HO	53	28,961	1,331	4.6	948	3.3	6.2	33,959
109	*	Olson's Best Dairy LLC, Shiocton, WI	HO	301	31,459	1,236	3.9	995	3.2	6.1	33,905
110	*	Blanchard Family Dairy, Charlotte, IA	XX	1,763	29,139	1,319	4.5	951	3.3	6.2	33,885
111		Bill & Lisa Holland, Apple River, IL	HO	356	31,489	1,232	3.9	996	3.2	6.1	33,871
112	*	Pagels Ponderosa, Kewaunee, WI	XX	6,877	27,214	1,364	5.0	947	3.5	6.3	33,807
113	*	Doug Fairbanks, Anamosa, IA	HO	267	30,420	1,271	4.2	966	3.2	6.1	33,797
114		New-Day Dairy Robert Strack, Athens, WI	HO	102	30,800	1,242	4.0	998	3.2	6.1	33,790
115		Tom & Sara Kruse, Dyersville, IA	HO	75	29,345	1,290	4.4	976	3.3	6.2	33,768
116		Dustin & Jason Martin, Conrath, WI	HO	55	26,314	1,456	5.5	823	3.1	6.2	33,756
117		Jerangle Dairy, Wakarusa, IN	HO	234	29,822	1,259	4.2	1,006	3.4	6.2	33,752
118	*	Many Blessings Dairy Inc, McBain, MI	HO	1,906	31,582	1,224	3.9	987	3.1	6.1	33,729
119		David Martin, Fenwick, MI	HO	70	26,415	1,448	5.5	826	3.1	6.2	33,708
120	*	Oesch Swisslane, Alto, MI	HO	1,571	29,436	1,292	4.4	960	3.3	6.2	33,701
121		Bergan Dairy LLC, Elkader, IA	HO	248	32,639	1,177	3.6	1,015	3.1	6.0	33,680
122	*	Sugar Creek LLC, New London, WI	HO	1,717	29,830	1,291	4.3	936	3.1	6.1	33,633
123	*	Pasch Mbm, Weidman, MI	HO	370	32,469	1,187	3.7	999	3.1	6.0	33,631
124	*	Voight Acres, Shiocton, WI	HO	270	30,581	1,244	4.1	978	3.2	6.1	33,591
125	*	United Vision Dairy LLC, Mishicot, WI	HO	1,176	31,425	1,239	3.9	950	3.0	6.0	33,589
126		Golden Corners Dairy, Oconto Falls, WI	HO	288	29,765	1,259	4.2	986	3.3	6.2	33,580
127	*	Jay & Amy Krahn, Brillion, WI	HO	173	31,071	1,257	4.0	930	3.0	6.0	33,553
128		Brumm Dairy, LLP, Stacyville, IA	HO	270	29,129	1,282	4.4	966	3.3	6.2	33,517
129		David Dezeuw, Falmouth, MI	HO	173	30,802	1,247	4.0	947	3.1	6.0	33,465
130	*	Collins Dairy LLC, Greenleaf, WI	HO	1,559	30,108	1,244	4.1	978	3.2	6.1	33,437
131	*	Bill, Clarice, Tony & Jacob Brey, Sturgeon Bay, WI	HO	1,118	31,468	1,206	3.8	984	3.1	6.0	33,435
132		Hendel Farms, Caledonia, MN	HO	383	28,527	1,290	4.5	953	3.3	6.1	33,324
133		Charles & Kappy Koch, Tremont, IL	HO	168	27,831	1,295	4.7	969	3.5	6.2	33,284
134	*	Ryan Litwiller, Middleton, MI	HO	317	32,240	1,152	3.6	1,015	3.1	5.9	33,226
135	*	Prairie View Dairy LLC, Fairbury, IL	HO	222	30,952	1,211	3.9	970	3.1	6.0	33,224
136		Production Unlimited LLC, Twin Lakes, WI	HO	123	28,685	1,263	4.4	970	3.4	6.1	33,156
137		Leon Henneman, Ellsworth, WI	HO	48	29,942	1,210	4.0	1,002	3.3	6.1	33,126
138	*	Foresight Farms, LLC, Decorah, IA	HO	1,181	29,913	1,232	4.1	962	3.2	6.0	33,095
139		Blair Farms, Winslow, IL	HO	211	29,699	1,241	4.2	954	3.2	6.0	33,081
140		Daryl & Pam Nunes, Deerfield, WI	HO	40	28,514	1,293	4.5	915	3.2	6.0	33,068

3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
141	* Dairy Dreams, Casco, WI	XX	4,967	27,414	1,305	4.8	939	3.4	6.1	33,047
142	* Heller Farm Inc, Alma Center, WI	HO	1,094	29,117	1,241	4.3	974	3.3	6.1	33,043
143	Lyle & Carla Weaver, Goshen, IN	HO	142	29,539	1,243	4.2	950	3.2	6.0	33,024
144	* Mitchell Dairy & Grain LLC, Winnebago, IL	HO	492	30,216	1,231	4.1	940	3.1	5.9	33,013
145	* Kinnard Farms Inc, Casco, WI	HO	8,814	30,815	1,187	3.9	985	3.2	6.0	32,983
146	* Rem-Jem Dairy, LLC, Unity, WI	HO	568	30,907	1,210	3.9	936	3.0	5.9	32,936
147	* Tinedale Dairy, Wrightstown, WI	HO	3,130	29,575	1,234	4.2	947	3.2	6.0	32,896
148	* Meissner, Chili, WI	HO	305	28,840	1,260	4.4	931	3.2	6.0	32,870
149	Burke Larsen, Scottville, MI	HO	688	30,418	1,218	4.0	931	3.1	5.9	32,842
150	Jonas Zimmerman, Wakarusa, IN	HO	127	26,958	1,335	5.0	875	3.2	6.1	32,797
151	Andrew Houlberg, Monticello, WI	HO	128	28,853	1,238	4.3	958	3.3	6.0	32,796
152	Greg & Jenny Conway, Lansing, IA	HO	187	28,568	1,268	4.4	914	3.2	6.0	32,754
153	Doug Roth, Mt. Pleasant, IA	HO	172	28,902	1,237	4.3	952	3.3	6.0	32,753
154	* Rickland Dairy LLC, Eldorado, WI	HO	1,058	30,700	1,179	3.8	973	3.2	5.9	32,750
155	* Norm & Derrick Hammond, Dowling, MI	HO	521	30,933	1,182	3.8	957	3.1	5.9	32,743
156	* Craig & Katharine Edler, Browntown, IL	HO	833	29,622	1,248	4.2	900	3.0	5.9	32,733
157	Charles & Kappy Koch, Tremont, IL	XX	143	25,891	1,317	5.1	942	3.6	6.2	32,728
158	Petro Farms, Gobles, MI	HO	977	30,762	1,169	3.8	982	3.2	5.9	32,710
159	Tracy Lacrosse & Dale Uecker, Forestville, WI	HO	88	29,772	1,220	4.1	937	3.1	5.9	32,702
160	* Bauduin's Grandview Dairy LLC, Casco, WI	HO	830	29,215	1,234	4.2	935	3.2	5.9	32,686
161	* Bruce & Julie Buddenberg, Decorah, IA	HO	332	29,704	1,218	4.1	941	3.2	5.9	32,685
162	* Tubergen Dairy Farm LLC, Ionia, MI	HO	2,366	29,856	1,218	4.1	934	3.1	5.9	32,681
163	* Darryl, Donna, Shawn & Levi Banowetz, Charlotte, IA	XX	373	28,479	1,245	4.4	946	3.3	6.0	32,672
164	* Neighborhood Dairy, Kaukauna, WI	HO	1,217	29,113	1,237	4.2	932	3.2	5.9	32,669
165	Earl & Jeff Horning, Manchester, MI	HO	437	29,675	1,227	4.1	924	3.1	5.9	32,662
166	Charles Maurer, Chilton, WI	HO	119	30,348	1,194	3.9	951	3.1	5.9	32,661
167	Duane, Jeanne & Dave Meier, Monticello, WI	HO	72	28,422	1,236	4.3	960	3.4	6.0	32,644
168	* Rick & Connie Schuessler, Antigo, WI	HO	444	28,765	1,214	4.2	982	3.4	6.0	32,640
169	Martin Kevin, Warren, IL	HO	113	29,351	1,225	4.2	936	3.2	5.9	32,622
T	* Country Aire Farms, Greenleaf, WI	HO	4,267	29,595	1,207	4.1	956	3.2	5.9	32,622
171	* Maple Leaf Acres, Elk Mound, WI	HO	349	28,406	1,249	4.4	927	3.3	6.0	32,555
172	Amy Karpinski, Waupaca, WI	XX	367	29,850	1,194	4.0	958	3.2	5.9	32,552
173	* Oesch Swisslane, Alto, MI	HO	1,792	28,150	1,258	4.5	922	3.3	6.0	32,549
174	* Brand Dairy Farm, Waterloo, IN	HO	402	30,189	1,189	3.9	949	3.1	5.9	32,529
175	Jeff & Kate Hendrickson, Belleville, WI	HO	116	29,639	1,197	4.0	956	3.2	5.9	32,507
176	Reuben Nolt, Alta Vista, IA	HO	79	27,974	1,253	4.5	927	3.3	6.0	32,465
177	Larry & Jennifer Meyer, Chilton, WI	HO	111	30,935	1,149	3.7	975	3.2	5.8	32,454
178	* River Ridge Dairy, Coopersville, MI	HO	1,858	28,266	1,261	4.5	892	3.2	5.9	32,397
179	Auburnvale Swiss, Fremont, WI	XX	187	28,267	1,239	4.4	925	3.3	5.9	32,365
180	Adam Delfosse, Brussels, WI	HO	78	30,426	1,161	3.8	964	3.2	5.8	32,359
T	Troy & Sara Blazek, Oconto Falls, WI	HO	203	29,167	1,194	4.1	962	3.3	5.9	32,359
182	Glendale Farms, Clintonville, WI	HO	301	29,079	1,204	4.1	945	3.2	5.9	32,330
183	* Jeff & Melinda Walz, West Union, IA	HO	121	29,648	1,216	4.1	900	3.0	5.8	32,327
184	* Jo-Eng Dairy Farms, German Valley, IL	HO	825	30,546	1,192	3.9	902	3.0	5.7	32,325
185	Gary & Heather Krogmann, Winthrop, IA	XX	72	29,063	1,201	4.1	948	3.3	5.9	32,309
186	Terry Deutmeyer, Dyersville, IA	HO	109	28,636	1,235	4.3	908	3.2	5.9	32,303
187	Rick Demmer, Peosta, IA	HO	86	28,481	1,219	4.3	941	3.3	5.9	32,298
188	Kandy-Bahr Holsteins, Waukon, IA	HO	67	30,267	1,152	3.8	976	3.2	5.8	32,282
189	* Ro-Linda Acres, Waterville, IA	HO	1,067	28,613	1,209	4.2	949	3.3	5.9	32,273
190	* Nathan & Tajia Retzlaff, Shawano, WI	XX	50	29,732	1,194	4.0	921	3.1	5.8	32,230
191	* James & Marlene Decker, Bernard, IA	HO	558	29,120	1,214	4.2	906	3.1	5.8	32,174
192	Greg Illig & Sons, West Branch, MI	HO	462	27,252	1,300	4.8	832	3.1	5.8	32,111
193	* John & Edwin Maxwell, Donahue, IA	JE	249	26,127	1,241	4.7	976	3.7	6.1	32,081
194	Tom Engelken, Earlville, IA	XX	27	27,476	1,223	4.5	948	3.5	5.9	32,075
195	Jack & Tom Jeppesen, Stanton, MI	HO	273	29,341	1,183	4.0	935	3.2	5.8	32,067
196	* Greenleaf Ledge Dairy, Greenleaf, WI	HO	584	30,505	1,148	3.8	940	3.1	5.7	32,033
197	* Allen Martin, Goshen, IN	HO	482	30,110	1,149	3.8	946	3.1	5.7	31,962
198	* James & Brad Ritter, Byron, MI	HO	269	29,101	1,199	4.1	903	3.1	5.8	31,951
199	* Jeff Brenner, Hopkins, MI	HO	670	28,261	1,227	4.3	891	3.2	5.8	31,947
200	* Brooks Dairy Farms, Waupaca, WI	HO	677	27,447	1,241	4.5	902	3.3	5.9	31,946
201	* Carson Acres LLC, Hesperia, MI	HO	139	29,875	1,150	3.8	952	3.2	5.8	31,944
202	* Robert Getzlaff, Wilson, MI	HO	465	28,466	1,224	4.3	883	3.1	5.8	31,914
203	Matthew & Susan Smith, Hudson, MI	HO	72	29,163	1,181	4.0	925	3.2	5.8	31,907
204	Coonridge Holsteins, Anamosa, IA	HO	164	29,518	1,184	4.0	903	3.1	5.7	31,893
205	Bill & Bob Gruppen, Zeeland, MI	HO	86	30,893	1,115	3.6	951	3.1	5.7	31,816
206	John & Ryan Sparrgrove, Castalia, IA	HO	224	28,536	1,187	4.2	929	3.3	5.8	31,810
207	Jim Goldsmith, Earlville, IA	HO	168	27,934	1,226	4.4	888	3.2	5.8	31,804
208	Brent & Carrie Pollard, Rockford, IL	HO	69	27,746	1,230	4.4	889	3.2	5.8	31,802
T	C-Dar Dairy LLC, Elkhart, IN	HO	253	29,481	1,172	4.0	913	3.1	5.7	31,802
210	* Keith Wood, Kingston, MI	HO	137	28,410	1,178	4.1	945	3.3	5.8	31,774

TOP
20%
ECM
HERDS



*At DRMS, we offer dairy producers advanced tools for efficient herd management. With **HerdHQ** insights, **DHI reports**, and **Dart's** on-farm features, we help track performance, monitor SCC, and boost profitability.*

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***Maximize Your
Dairy's Potential
with DRMS!***





TOP 20% ECM HERDS

3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
211	* Nathan & Tajia Retzlaff, Shawano, WI	XX	26	30,592	1,157	3.8	885	2.9	5.6	31,757
212	* Stencil Farms, Denmark, WI	HO	1,654	27,852	1,226	4.4	884	3.2	5.8	31,747
213	Rolling Valley Jerseys, Waterville, IA	XX	30	27,698	1,197	4.3	939	3.4	5.9	31,742
214	* Kohn Dairy LLC, Cecil, WI	HO	274	28,936	1,188	4.1	901	3.1	5.7	31,739
215	* Gilde Farms LLC, Lake City, MI	HO	247	27,720	1,267	4.6	814	2.9	5.7	31,699
216	* Vande Hei Dairy Farms, De Pere, WI	HO	458	29,657	1,145	3.9	937	3.2	5.7	31,694
217	* 23 Dairy LLC, Middleton, MI	HO	483	30,221	1,129	3.7	938	3.1	5.7	31,679
218	* Lance & Jonna Schutte, Monona, IA	HO	123	28,799	1,158	4.0	940	3.3	5.7	31,604
219	* Second Look Holsteins LLC, Eden, WI	HO	1,293	29,025	1,159	4.0	928	3.2	5.7	31,599
220	* Dale Bogart, Kewaunee, WI	HO	2,027	28,987	1,150	4.0	942	3.2	5.7	31,578
221	Bob Van Daalwyk, Hilbert, WI	HO	181	29,738	1,139	3.8	927	3.1	5.7	31,566
222	* Murphy Family Farm, New London, WI	HO	200	28,034	1,209	4.3	878	3.1	5.7	31,540
223	Trent & Kelsey Hendrickson, Blanchardville, WI	HO	419	28,950	1,153	4.0	931	3.2	5.7	31,520
224	* Sand Creek Dairy LLC, Hastings, MI	JE	417	24,725	1,261	5.1	928	3.8	6.0	31,514
225	Eric Frahm, Frankenmuth, MI	HO	133	29,452	1,135	3.9	938	3.2	5.7	31,505
226	* Seven Oaks Dairy, LLC, Kaukauna, WI	HO	1,332	29,044	1,162	4.0	909	3.1	5.7	31,499
T	* Green Meadow Farms Inc, Elsie, MI	HO	4,026	27,730	1,207	4.4	889	3.2	5.7	31,499
228	Ros-Lor Dairy LLC, Newton, WI	HO	110	30,236	1,143	3.8	890	2.9	5.6	31,498
229	Ron Brinks, McBain, MI	HO	133	28,972	1,142	3.9	943	3.3	5.7	31,477
230	* Sunny Slope Dairy LLC, Reedsville, WI	HO	1,242	29,268	1,158	4.0	902	3.1	5.6	31,467
231	* Craig & Sarah Thiel, Hilbert, WI	HO	495	29,512	1,167	4.0	871	3.0	5.6	31,426
232	Marvin Martin, Carson City, MI	HO	76	29,340	1,136	3.9	929	3.2	5.7	31,412
233	Dale & Sharon Fertig, Wall Lake, IA	HO	231	28,184	1,175	4.2	912	3.2	5.7	31,409
234	Greg & Rosie Piggott, Waukon, IA	HO	99	28,241	1,158	4.1	936	3.3	5.7	31,391
235	Todd Martin, Claypool, IN	HO	448	30,128	1,109	3.7	938	3.1	5.6	31,389
236	Foxland Farms LLC, Greenleaf, WI	HO	119	30,301	1,127	3.7	897	3.0	5.5	31,365
237	Ron Folkema, Fremont, MI	XX	1,063	28,869	1,173	4.1	880	3.0	5.6	31,363
238	* Landstad Dairy LLC, Bonduel, WI	HO	294	30,017	1,125	3.7	911	3.0	5.6	31,353
239	* Preston Farms, Quincy, MI	HO	940	27,745	1,180	4.3	912	3.3	5.7	31,330
240	Steven Weaver, Goshen, IN	HO	665	27,541	1,191	4.3	900	3.3	5.7	31,314
241	* David & Susan Granskog, Stephenson, MI	HO	261	30,026	1,106	3.7	937	3.1	5.6	31,309
242	Stephen Burkholder, Orleans, MI	HO	120	28,175	1,185	4.2	882	3.1	5.7	31,306
243	Jerry & Stephanie Kauffman, Farley, IA	HO	252	28,914	1,139	3.9	928	3.2	5.7	31,304
T	Hanson Farms, Pine River, WI	HO	392	28,521	1,156	4.1	916	3.2	5.7	31,304
245	* Loehr Dairy LLC, Mount Calvary, WI	XX	47	26,471	1,213	4.6	904	3.4	5.8	31,280
246	Norris Dairy Farm Inc, Hesperia, MI	HO	723	28,372	1,171	4.1	892	3.1	5.7	31,266
247	* United Pride Dairy LLC, Phillips, WI	XX	301	25,200	1,234	4.9	917	3.6	5.9	31,236
248	Dutch Meadows LLC, Zeeland, MI	HO	190	27,925	1,167	4.2	909	3.3	5.7	31,198
249	* Vagts Dairy LLC, West Union, IA	HO	543	28,709	1,176	4.1	858	3.0	5.6	31,181
250	Bruce Martin, Whittemore, MI	XX	105	28,060	1,166	4.2	901	3.2	5.7	31,168
251	* Noll Farms, Coleman, WI	HO	702	31,210	1,069	3.4	930	3.0	5.5	31,164
252	Golden Sun Dairy LLC, Shiocton, WI	HO	215	27,465	1,170	4.3	915	3.3	5.7	31,132
253	Alan & Ruth Hageman, Decorah, IA	HO	117	29,285	1,113	3.8	933	3.2	5.6	31,127
T	Robert Lee, Marion, MI	HO	125	27,378	1,173	4.3	913	3.3	5.7	31,127
255	Dave & Rick Tacoma, Falmouth, MI	HO	405	29,122	1,107	3.8	943	3.2	5.6	31,072
256	Kemridge Farm 2 Inc, Westfield, WI	HO	317	28,537	1,142	4.0	908	3.2	5.6	31,067
257	Brian & Monica Enyart, Postville, IA	HO	130	28,879	1,152	4.0	876	3.0	5.6	31,063
258	Eric Schoenfuss, Edgar, WI	HO	38	28,628	1,120	3.9	936	3.3	5.6	31,026
259	Claytop Holsteins, Howard City, MI	HO	292	27,391	1,179	4.3	887	3.2	5.7	31,010
260	* Andy Belter, Athens, WI	HO	234	28,090	1,154	4.1	895	3.2	5.6	30,976
261	Troy & Don Meyer, Maynard, IA	HO	99	27,614	1,163	4.2	899	3.3	5.6	30,968
262	Dave Wenger & Sons Dairy, Marlette, MI	HO	222	27,459	1,171	4.3	892	3.2	5.7	30,967
263	Terry & Diane Cox, Shullsburg, IL	HO	362	27,768	1,172	4.2	874	3.1	5.6	30,944
264	Johnson Family Dairy LLC, Juda, WI	HO	90	27,604	1,151	4.2	914	3.3	5.7	30,924
265	* Elusive Hill Dairy LLC, Marshfield, WI	HO	968	28,625	1,130	4.0	902	3.2	5.6	30,894
266	Andy Kortman, McBain, MI	HO	254	28,893	1,121	3.9	905	3.1	5.6	30,888
267	Adam & Karen Voigts, Wilton, WI	HO	275	26,914	1,182	4.4	880	3.3	5.6	30,840
268	* Cole Riverview Farms, Bancroft, MI	HO	316	27,981	1,162	4.2	868	3.1	5.6	30,838
269	William Fabry, Oconto Falls, WI	HO	142	28,301	1,138	4.0	894	3.2	5.6	30,831
270	Von View Dairy Inc, Stewardson, IL	HO	172	29,073	1,101	3.8	923	3.2	5.5	30,826
271	* MSU Dairy Dept, Lansing, MI	HO	247	29,103	1,096	3.8	929	3.2	5.5	30,817
272	Raterink Dairy Farm, Zeeland, MI	HO	121	28,525	1,151	4.0	858	3.0	5.5	30,797
273	McCulloch Farms, Rockford, IL	HO	87	28,570	1,136	4.0	874	3.1	5.5	30,740
274	Bob & Nancy Johnson, Baldwin, WI	HO	357	26,357	1,177	4.5	895	3.4	5.7	30,708
275	Ken Zuiderveen, Falmouth, MI	HO	399	28,289	1,123	4.0	899	3.2	5.5	30,671
276	* Mayer Farm, Chippewa Falls, WI	HO	170	27,429	1,161	4.2	871	3.2	5.6	30,667
277	* Rich Byrna, Grant, MI	HO	1,205	28,294	1,133	4.0	877	3.1	5.5	30,634
278	Volkman Farms, Black Creek, WI	HO	91	29,104	1,104	3.8	891	3.1	5.5	30,630
279	* Terry Lenth, Luana, IA	HO	106	28,059	1,138	4.1	877	3.1	5.5	30,621
280	* Roger & Jan Bauman, Nokomis, IL	HO	131	29,073	1,121	3.9	861	3.0	5.4	30,610

3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
281	Duane & Joan Lisowe, Chilton, WI	HO	135	27,579	1,150	4.2	873	3.2	5.5	30,589
282	Wolf Farms LLC, Bonduel, WI	HO	266	28,101	1,136	4.0	873	3.1	5.5	30,579
283	Twinkle-Hill Brown Swiss, Watertown, WI	BS	48	26,184	1,156	4.4	921	3.5	5.7	30,578
284	* Andre Weaver, Friendship, WI	HO	118	27,319	1,153	4.2	873	3.2	5.6	30,543
285	* Tom Rahmlow, Mishicot, WI	HO	1,263	27,390	1,144	4.2	885	3.2	5.6	30,542
286	Bollinger Farms LLC, Vestaburg, MI	HO	213	28,309	1,114	3.9	896	3.2	5.5	30,538
287	Jesse & Rachel Thoma, Manawa, WI	HO	78	27,559	1,131	4.1	895	3.2	5.6	30,505
288	Skyvue Farm, Sheldon, WI	HO	76	25,260	1,224	4.8	833	3.3	5.6	30,483
289	Derrick & Doug Nelson, Eau Claire, WI	HO	208	27,727	1,127	4.1	891	3.2	5.5	30,478
290	Andy Schmitz, Fredericksburg, IA	HO	247	27,498	1,141	4.1	876	3.2	5.5	30,469
291	Jeff Knuver, Fremont, MI	HO	161	28,664	1,122	3.9	857	3.0	5.4	30,459
292	Hardy Spring Lake Farms, Stanton, MI	HO	220	27,417	1,141	4.2	878	3.2	5.5	30,458
293	John Welter, Croswell, MI	HO	122	27,702	1,129	4.1	886	3.2	5.5	30,457
294	* Brown-Star Farm LLC, Gillett, WI	HO	595	27,527	1,130	4.1	891	3.2	5.5	30,451
295	John & Meghan Palmer, Waukon, IA	HO	177	28,085	1,107	3.9	906	3.2	5.5	30,450
296	C & J Farms Inc, Bear Creek, WI	HO	315	28,775	1,102	3.8	884	3.1	5.4	30,443
297	Tim Bates, Elmwood, WI	HO	90	26,568	1,167	4.4	867	3.3	5.6	30,433
298	Matt Schelling, Orange City, IA	HO	130	26,625	1,143	4.3	904	3.4	5.6	30,424
299	Don Grezeszak, Whittemore, MI	HO	655	27,080	1,158	4.3	858	3.2	5.5	30,415
300	James Reid, Jeddo, MI	HO	260	27,996	1,088	3.9	935	3.3	5.5	30,397
301	Duane & Joan Lisowe, Chilton, WI	HO	91	27,155	1,141	4.2	874	3.2	5.5	30,342
302	Bill Deruiter, Marion, MI	HO	377	29,996	1,045	3.5	914	3.0	5.4	30,334
303	Andy Lodahl, Theresa, WI	HO	313	26,926	1,150	4.3	867	3.2	5.5	30,330
304	Volmering Family Dairy, Harbor Beach, MI	HO	192	28,607	1,088	3.8	900	3.1	5.4	30,329
305	Steve & Doug Kamphuis, Brandon, WI	HO	327	27,590	1,116	4.0	895	3.2	5.5	30,321
T	* Quality Dairy, Luxemburg, WI	HO	2,389	28,973	1,087	3.8	885	3.1	5.4	30,321
307	* Regancrest Farm, Waukon, IA	HO	1,009	26,719	1,161	4.3	850	3.2	5.5	30,275
308	Ephraim & Esther Martin, Sheridan, MI	HO	114	27,917	1,120	4.0	867	3.1	5.4	30,265
309	Anderegg Farms LLC, Guttenberg, IA	HO	180	28,353	1,102	3.9	875	3.1	5.4	30,236
310	Chad Beck, West Branch, MI	HO	941	28,102	1,109	3.9	872	3.1	5.4	30,222

TOP
20%
ECM
HERDS

GET MORE

Mycotoxin binders: **REDUCING NUTRIENT AVAILABILITY** and neglecting mycotoxins

Many products claim to bind mycotoxins and protect dairy cows, but recent research suggests they may not be as effective as advertised. Research indicates clay binders have limited success in binding aflatoxin, which is rarely found in the Midwest. However, they are even less effective against vomitoxin and zearalenone, which are more prevalent in this region. Even more concerning, these binders can reduce the availability of critical vitamins and amino acids, potentially affecting cow health, milk production, and overall herd performance.

Curious about the effectiveness of your mycotoxin binder or concerned about mycotoxin exposure? Scan the QR code to **get more** details on this research, or connect with your local CentralStar team.

Table 1: The adsorption of different mycotoxin binders against most common mycotoxins (average adsorption \pm SEM).

Mycotoxin binders	Aflatoxin B1	Deoxynivalenol (Vomitoxin)	Fumonisin	Ochratoxin A	T-2 toxin	Zearalenone	Average
Activated carbon	93 ^a \pm 0.8	69 ^a \pm 0.8	83 ^a \pm 1.7	88 ^a \pm 1.8	53 \pm 7.9	93 ^a \pm 1.6	81^a \pm 0.4
Bentonite	86 ^{a,x} \pm 0.3	18 ^{b,y} \pm 1.4	32 ^{b,y} \pm 4.2	30 ^{b,y} \pm 0.6	22 ^y \pm 6.9	29 ^{b,y} \pm 1.1	45 ^b \pm 0.2
Clinoptilolite	75 ^{ab,x} \pm 1.5				29 ^{xy} \pm 15.9	14 ^{b,y} \pm 2.8	32 ^b \pm 1.2
HSCAS ¹	83 ^{a,x} \pm 0.8	11 ^{b,y} \pm 1.6	52 ^{ab,xy} \pm 2.8	43 ^{ab,xy} \pm 5.1	32 ^{xy} \pm 12.6	52 ^{b,x} \pm 1.4	48 ^b \pm 0.5
Montmorillonite	88 ^{a,x} \pm 1.0	9 ^{b,y} \pm 6.3	42 ^{ab,y} \pm 12.7	26 ^{ab,y} \pm 11.9	24 ^y \pm 13.1	47 ^{b,y} \pm 1.7	48 ^b \pm 0.8
Sepiolite	95 ^{ab} \pm 8.3	13 ^{ab} \pm 12.6				39 ^{ab} \pm 11.3	46 ^b \pm 3.9
Zeolite	61 ^{ab,x} \pm 1.5	10 ^{b,y} \pm 2.9	26 ^{b,x} \pm 2.3	44 ^{ab,x} \pm 1.3	5 ^x \pm 13.5	33 ^{b,x} \pm 2.1	32 ^b \pm 0.5
Yeast cell wall	49 ^b \pm 0.4	20 ^b \pm 1.2	30 ^b \pm 2.5	43 ^b \pm 0.4	28 \pm 3.8	48 ^b \pm 0.4	34 ^b \pm 0.2
Average	77^a \pm 0.1	23^c \pm 0.5	45 ^{yz} \pm 1.0	47 ^y \pm 0.3	31 ^{yz} \pm 2.3	50 ^y \pm 0.3	

^{a,b,c} Different superscripts in the same column indicate a significant effect between binders ($P < 0.05$). ^{xy,z} Different superscripts in the same row indicate a significant effect between mycotoxins ($P < 0.05$). ¹HSCAS = Hydrated sodium calcium aluminosilicate.

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HEAR THE
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TOP 20% ECM HERDS

3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
311	Ridge View Dairy, Marshall, MI	HO	633	28,851	1,073	3.7	900	3.1	5.4	30,215
312	Gary Sulzer, Marathon, WI	XX	85	24,084	1,202	5.0	882	3.7	5.7	30,189
313	* Herrema Dairy, Fair Oaks, IN	HO	5,014	28,841	1,062	3.7	912	3.2	5.4	30,161
314	Philip Vruwink, Arpin, WI	HO	152	26,787	1,129	4.2	886	3.3	5.5	30,158
315	* Peck Farms, Chippewa Falls, WI	HO	212	28,083	1,113	4.0	854	3.0	5.4	30,130
316	Steve Landis, Goshen, IN	HO	34	26,629	1,175	4.4	810	3.0	5.4	30,120
317	* Aaron & Allen Slater, Holton, MI	HO	1,964	27,855	1,117	4.0	853	3.1	5.4	30,099
318	* Warren M Johnson, Osceola, WI	HO	473	26,804	1,131	4.2	871	3.2	5.5	30,075
319	Randy & Michelle Buehne, Highland, IL	XX	164	26,880	1,113	4.1	894	3.3	5.5	30,042
320	Auburnvale Swiss, Fremont, WI	BS	78	26,301	1,129	4.3	891	3.4	5.5	30,037
321	Wichman Farms Inc, Appleton, WI	HO	281	28,084	1,102	3.9	860	3.1	5.4	30,033
322	DMS Dairy LLC, Wakarusa, IN	HO	334	25,858	1,142	4.4	887	3.4	5.6	30,030
323	Raymond Dairy Inc, New Richmond, WI	HO	90	27,933	1,079	3.9	900	3.2	5.4	29,992
324	Nienhuis Dairy Farm, Zeeland, MI	HO	304	28,219	1,084	3.8	876	3.1	5.4	29,967
325	Phillip Martin, Akron, IN	HO	359	27,379	1,102	4.0	881	3.2	5.4	29,963
326	Don & Jason Will, Teutopolis, IL	HO	129	27,773	1,093	3.9	879	3.2	5.4	29,960
327	David & Peter Score, Boyceville, WI	HO	120	26,168	1,132	4.3	875	3.3	5.5	29,910
328	Mike Bosscher, McBain, MI	HO	211	27,827	1,104	4.0	850	3.1	5.4	29,899
329	Feider Farms LLC, New Holstein, WI	HO	430	27,213	1,108	4.1	868	3.2	5.4	29,887
330	* Thuemmel Dairy, Port Austin, MI	HO	688	28,719	1,054	3.7	890	3.1	5.3	29,849
331	Mark Ulness, Valders, WI	HO	75	26,334	1,128	4.3	865	3.3	5.5	29,836
332	Boogerd Dairy, Hull, IA	HO	618	26,830	1,112	4.1	870	3.2	5.4	29,829
333	* Douglas & Dean Beyer, Manawa, WI	HO	465	27,333	1,111	4.1	845	3.1	5.4	29,790
334	Bill & Bob Gruppen, Zeeland, MI	HO	110	24,324	1,173	4.8	868	3.6	5.6	29,785
335	John W Nolt, Orchard, IA	HO	62	26,789	1,134	4.2	828	3.1	5.4	29,780
336	A G Wiles, Mddleton, MI	HO	163	28,045	1,080	3.9	864	3.1	5.3	29,766
337	Jason Martin, Nappanee, IN	HO	262	27,327	1,092	4.0	873	3.2	5.4	29,756
338	Probstland Dairy, Wheeler, IL	HO	405	26,394	1,139	4.3	833	3.2	5.4	29,753
339	Prosperous Farms LLC, Falmouth, MI	HO	602	26,644	1,113	4.2	866	3.3	5.4	29,751
340	* William & Kathy Langreck, West Union, IA	HO	135	27,579	1,074	3.9	891	3.2	5.4	29,743
341	Mark & Vanna Leichtfuss, Two Rivers, WI	HO	216	27,628	1,089	3.9	861	3.1	5.3	29,724
342	I O State Dairy, Ames, IA	HO	429	25,873	1,138	4.4	853	3.3	5.5	29,723
343	Emerald-Acres, De Pere, WI	HO	551	26,378	1,121	4.2	860	3.3	5.4	29,722
344	Stanley Ferris, Cement City, MI	XX	164	28,995	1,039	3.6	886	3.1	5.3	29,714
345	White Gold Dairy LLC, Plainfield, IA	HO	65	27,804	1,063	3.8	896	3.2	5.4	29,712
346	Arlen Zimmerman, Cass City, MI	HO	228	26,588	1,106	4.2	874	3.3	5.4	29,703
347	Robert Nosbisch, Holy Cross, IA	HO	170	27,339	1,094	4.0	859	3.1	5.4	29,679
348	* Palms Boys LLC, Palms, MI	HO	2,171	26,910	1,093	4.1	878	3.3	5.4	29,671
349	David & Julie Marcks, Black Creek, WI	HO	45	27,829	1,079	3.9	862	3.1	5.3	29,667
350	Starward Farms, Sebewaing, MI	HO	99	26,762	1,106	4.1	853	3.2	5.4	29,599
351	Kohlman Dairy LLC, Chilton, WI	HO	477	27,019	1,118	4.1	821	3.0	5.3	29,594
352	* NE Iowa Dairy Foundation, Calmar, IA	HO	192	24,702	1,164	4.7	842	3.4	5.5	29,593
353	McCayland Farm, Tippecanoe, IN	HO	133	26,735	1,112	4.2	843	3.2	5.4	29,592
354	* Leroy Maassen, Maurice, IA	HO	2,116	26,655	1,105	4.1	858	3.2	5.4	29,590
355	Dave Klamer, Conklin, MI	HO	60	26,692	1,102	4.1	861	3.2	5.4	29,586
356	Roth Farms, Lowell, MI	HO	316	27,953	1,070	3.8	858	3.1	5.3	29,561
357	Chuck & Judy Kehl, Lena, WI	HO	206	27,322	1,084	4.0	859	3.1	5.3	29,543
358	Vil-Edge Farms, Fond du Lac, WI	HO	71	27,264	1,087	4.0	855	3.1	5.3	29,533
359	Steve Olson, Boyceville, WI	HO	109	26,484	1,102	4.2	858	3.2	5.4	29,495
360	Cynthia Waegli & Chris Utke, Clintonville, WI	HO	252	27,099	1,080	4.0	868	3.2	5.3	29,488
361	Roth Farms, Lowell, MI	HO	57	27,889	1,060	3.8	868	3.1	5.3	29,487
362	Jeff Wegner, Marion, WI	HO	68	25,944	1,096	4.2	879	3.4	5.4	29,401
363	Jason Ard, Pulaski, WI	HO	101	26,602	1,092	4.1	857	3.2	5.3	29,396
364	* Steffes Holsteins, Elizabeth, IL	HO	528	27,386	1,074	3.9	852	3.1	5.3	29,381
365	Rolling Valley Jerseys, Waterville, IA	XX	25	24,025	1,148	4.8	864	3.6	5.5	29,332
366	Conrad Martin, Millersburg, IN	HO	256	28,483	1,022	3.6	884	3.1	5.2	29,311
367	R A Schanbacher Inc, Newhall, IA	HO	136	27,119	1,066	3.9	865	3.2	5.3	29,290
368	Mike Richards, Fairbank, IA	HO	146	27,085	1,082	4.0	835	3.1	5.3	29,256
369	* River-Bridge LLC, Brillion, WI	HO	239	26,547	1,069	4.0	878	3.3	5.3	29,241
370	* Michael Heckaman, Argos, IN	HO	614	27,608	1,064	3.9	839	3.0	5.2	29,225
371	McAllister Family Dairy LLC, New Vienna, IA	JE	41	22,301	1,193	5.3	847	3.8	5.6	29,221
372	* Pinecreek Farms, Medford, WI	HO	336	27,149	1,081	4.0	829	3.1	5.2	29,219
373	Mark Schultz, Eden, WI	HO	191	25,930	1,123	4.3	807	3.1	5.3	29,196
374	Mill-Hill Dairy LLC, Juda, IL	HO	155	26,202	1,092	4.2	847	3.2	5.3	29,189
375	Marlen Martin, Goshen, IN	HO	456	26,743	1,075	4.0	852	3.2	5.3	29,184
376	* Baker Lads Farm, Clayton, MI	HO	530	29,318	992	3.4	882	3.0	5.1	29,181
377	Ravendale Farm, Freeburg, IL	HO	193	27,487	1,056	3.8	851	3.1	5.2	29,174
378	* Grass Ridge Farm LLC, Pittsville, WI	JE	116	22,516	1,174	5.2	863	3.8	5.6	29,168
379	* Doug Fairbanks, Anamosa, IA	BS	68	25,208	1,111	4.4	850	3.4	5.4	29,133
380	Hardscrabble Farms, Jim Falls, WI	HO	140	26,333	1,076	4.1	856	3.3	5.3	29,093

FINDING THE SWEET SPOT:

Why beef x dairy can be balanced with replacement needs

Emily Middleton-Gyomory, CentralStar Regional Consulting Manager



Recently, there's been talk in the industry wondering if we've gone too far with beef x dairy strategies that may lead to long-term effects. The dairy-replacement-heifer population has decreased 10% from 2022 to 2024 and is currently at a 20-year low. Consequently, dairy-cull-cow numbers are way down. Year-over-year, U.S. milk production was down 0.4% in July. The USDA attributes milk-production declines in 2024 to lower yields from aging cows, adverse weather, and limited replacements. This picture may seem bleak, but it doesn't have to be the case. There are plenty of dairies that are creating adequate replacements, maximizing their genetic progress, gaining milk production, and capitalizing on extra revenue from beef x dairy calves.

The dairy shown here utilizes CentralStar's reproductive and genetic consulting services. We monitor an inventory calculator bimonthly to calculate how many replacements the dairy needs as well as to determine which females will create those replacements.

When we look at a year's worth of heifer inventory in **Figure 1**, we see the herd is creating enough heifers to meet their needs, plus a 20% buffer. The buffer allows the herd to maximize their profit per stall, while also giving them the flexibility to add a few more cows or sell extra heifers.

Combining the inventory calculator with the Select Mating Service® (SMS®) has helped ensure that future replacements are being created from the top-ranking females in the herd. **Figure 2** shows sexed semen (red dots) is being utilized in the females that rank the highest in HHP\$, while beef semen (blue dots) is being used in the lowest-ranking females. The herd also utilizes NxGEN® sires that rank high in HHP\$ and DWP\$® to maximize their genetic progress. Their goal is to create long-lasting, healthy, high-producing cows.

Figure 3 demonstrates how this herd effectively tapped into the high beef x dairy market. Through the use of ProfitSOURCE® sires, they consistently produce and sell approximately 135 beef x dairy calves each month, adding a valuable revenue stream to their operation. Over the last four years, this herd has reduced their percentage of first-lactation cows from 40% to 31%. In that same time, average milk production increased by 13 pounds per cow. Excellent management paired with a genetic strategy has allowed this dairy to progress, while also taking advantage of both strong dairy-replacement and beef x dairy markets.

This farm demonstrates, with a balanced strategy, it's possible to find the sweet spot in inventory management, producing the optimal number of heifers, balancing beef x dairy with replacement needs, boosting milk production, and maximizing genetic progress. So, the answer to "Have we gone too far?" may be, "no," when we make every calf count! Work with the CentralStar team to help you **get more** from your inventory management!

Figure 1. Projected heifer inventory

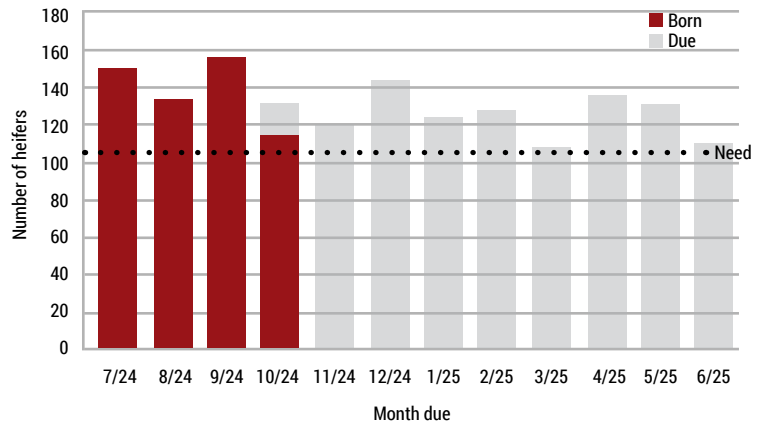


Figure 2. High HHP\$ bred to sexed semen

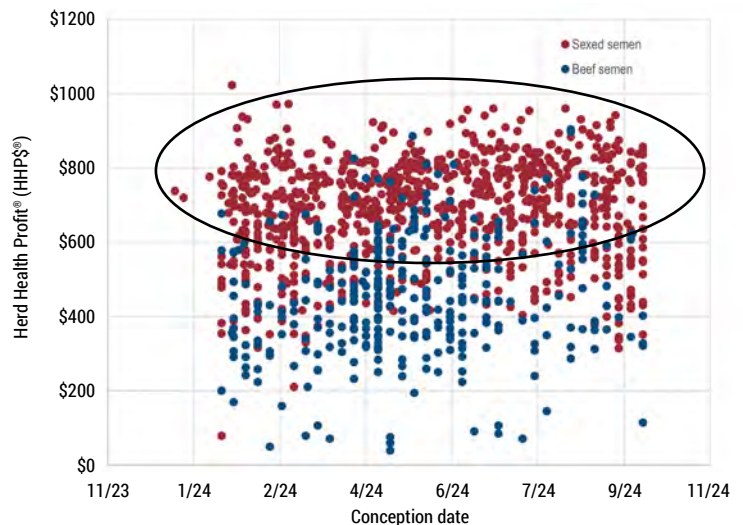
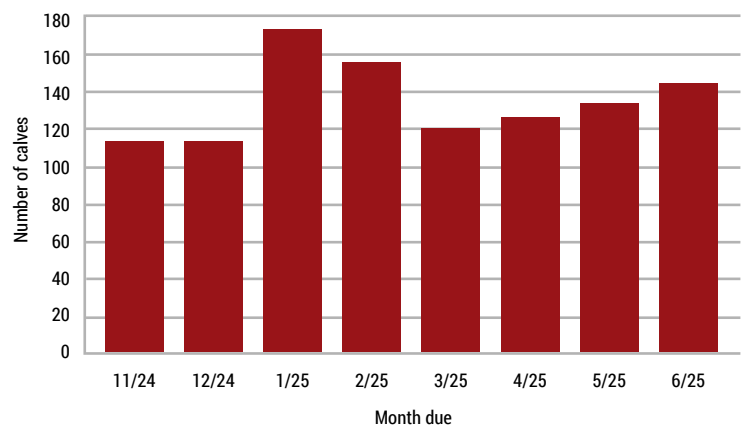


Figure 3. Projected beef x dairy calves



DEFEND & PROTECT FOR A LIFETIME



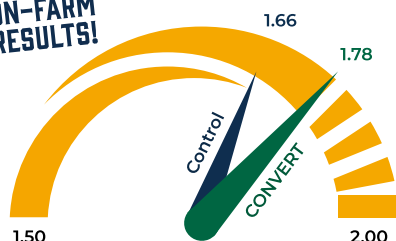
CONVERT™ BIG Calf Powder

A daily dose of CONVERT BIG Calf Powder keeps calves healthier from birth to weaning, resulting in fewer transition challenges. Producers using BIG Calf report:

- ✓ REDUCED SCOURS
- ✓ IMPROVED LUNG HEALTH*
- ✓ INCREASED GROWTH
- ✓ INCREASED APPETITES
- ✓ REDUCED MORTALITY



ON-FARM
RESULTS!



Average Daily Gain Comparison (lbs/day)

COMPARATIVE STUDY: A New York commercial dairy farm faced challenges with delays in the age at weaning, attributed to poor body weight gain and low calf starter feed intake. A comparative study was conducted between the existing calf development program and the Agrarian Solutions Calf Program, which includes CONVERT BIG Calf.

RESULTS: Calves fed CONVERT had a higher average daily gain and weighed 10.5 lbs. more than the control group at weaning.

*New York field study. CONVERT™ is a trademark of Select Sires Inc. and is manufactured by Agrarian Solutions®. All claims, representation and warranties, expressed or implied, are made only by Agrarian Solutions.

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Early-life calf health **IMPACTS** long-term productivity

The first days, weeks, and months of a calf's life are pivotal for shaping their future health, productivity, and reproductive success. Research shows early-life health challenges, such as scours and respiratory infections, can have lasting effects. Working with a Michigan dairy, CentralStar Records Analysis Consultant Kelly Sporer identified health setbacks in the first few weeks were delaying heifer age at first service, resulting in many being bred later than desired. This issue not only extended the age at first service but also impacted the age at first calving, potentially shortening productive life and reducing milk yield.

To address these challenges, the dairy implemented improvements which led to fewer early-life health incidents and a more consistent age at first service. Now, most heifers calve at the optimal age of 23 months, maximizing energy-corrected-milk production and profitability. Additionally, the farm has seen improved reproductive efficiency.

To ensure the long-term productivity and health of all your calves, talk to your CentralStar team to **get more** strategies for enhancing early-life management practices.

Comparison group			23 months		Feed costs: \$3.00 head/day		
			24,314 lbs 305 ECM		Milk price: \$19 CWT		
AFC	n	305M	DOF	Feed cost	Milk income	Total income	Difference
20	0		600	\$1,800	\$0	-\$1,800	-\$4,350
21	3	21,849	630	\$1,890	\$4,151	\$2,261	-\$288
22	47	23,248	660	\$1,980	\$4,417	\$2,437	-\$113
23	68	24,314	690	\$2,070	\$4,620	\$2,550	\$0
24	31	23,413	720	\$2,160	\$4,448	\$2,288	-\$261
25	14	24,539	750	\$2,250	\$4,662	\$2,412	-\$137
26	3	25,342	780	\$2,340	\$4,815	\$2,475	-\$75
27	2	24,890	810	\$2,430	\$4,729	\$2,299	-\$251
28	0		840	\$2,520	\$0	-\$2,520	-\$5,070
29	1	26,279	870	\$2,610	\$4,993	\$2,383	-\$167

Comparison of energy-corrected-milk production and income-over-feed cost by age at first calving shows heifers calving in before 23 months are less profitable due to lower production, and those calving in after 23 months yield insufficient energy-corrected milk to justify extra days on feed.

GET THE
DETAILS



AWARD REPROSTAR WINNERS



Four herds are recognized for excellence in reproduction, each exemplifying key practices that drive their success. Three cow herds maintain a strong population of mature cows (3rd+ lactation), efficient breeding practices, and a sustainable approach to herd-management strategies that enhance long-term productivity.

One herd is recognized for their heifer management practices while using a tremendous amount of sexed-semen. They set a high standard with a non-completion rate at just 7%, ensuring youngstock reach their potential as valuable members of the milking herd.

Congratulations to our winners for setting a new standard in reproductive excellence and advancing sustainable herd management.

EVERGREEN DAIRY RESORT

At Evergreen Dairy Resort, LLC, in Antigo, Wisc., reproductive performance is much more than a matter of protocol or technology—it's about people, leadership, and culture. While reproductive success is often reduced to numbers, Herd Manager John Freund believes the real secret lies elsewhere.

"All good repro. herds do essentially the same things—follow similar protocols and use similar tools. What sets us apart is our leadership and team," said John. "It starts with the ownership group – they are passionate about the industry and encourage us along the way. Then, Connie DeRoos and I, who manage the boots-on-the-ground, carry it forward." It's this philosophy that has driven Evergreen's 1,800-cow Jersey herd to achieve exceptional results, including a 46% pregnancy rate in cows third lactation or greater.

Established in 2006 with just 200 Jersey cows, the dairy was founded by Marc Braun, Pat Prasalowicz, Gary Waldvogel, Larry Shofner, and Kevin Verheyen. The ownership group is deeply passionate about the industry

and continues to support and inspire the dairy's progress.

Building a team-first culture

The foundation of the herd's success is the leadership and team-building philosophy championed by Managing-owner Marc. "Marc brings great energy and passion to our team. His vision and support are responsible for supporting us to achieve extremely high-level results," shared John.

This leadership style has created a team-first culture that empowers every member to take ownership of their work and strive for excellence. This approach includes the 18 boots-on-the-ground team members at the dairy, but also extends to the farm's Veterinarian Valerie Baumgard and Nutritionist David Dolittle. "Valerie and Dave are integral members of the team," said John. "They aren't just advisors—they are key players who help guide and support us, helping us continue to move in the right direction."

To support this collaborative culture, Evergreen Dairy holds weekly team meetings, daily huddles, and emphasizes positive reinforcement. **"We start every day by**

Continued on next page...



EVERGREEN DAIRY RESORT, LLC

46%
**PREGNANCY
RATE**
3+ LACTATION

41%
**PREGNANCY
RATE**

79%
**SUBMISSION
RATE**

Pictured (left): Laura Styczynski, Records Analysis Consultant; Moises Antonio, Herdsmen; Jose Landa, Herdsmen; Dave Doolittle, Nutritionist; John Freund, Herd Manager; Dr. Valerie Baumgard, United Vet Service



OLSON

DAIRY FARMS, INC.

44%
PREGNANCY
RATE
3+ LACTATION

36%
PREGNANCY
RATE

73%
SUBMISSION
RATE

Pictured (left): Kurt Olson, Owner; Zach Wendler, CentralStar A.I. Specialist; Dr. Mike Storlie, Vet; Jeremy Schmidt, Herdsman; Jacob Nousen, Maintenance; and Winter DeRoos, Vet Tech

connecting with the team—whether it's a thank you, a pat on the back, or a fist bump," says John. "When you start the day positively, people are more open to feedback and can handle challenges with a better mindset."

Best practices and teamwork

Evergreen Dairy's reproduction metrics tell a story of precision but are just one part of the equation. Their approach involves using double-Ovsynch for the entire herd and an electronic heat detection system to identify open cows. Pregnancy confirmation is performed by ultrasound at 32- and 75-days, and open cows are enrolled in the GGPG protocol. "These tools are essential, but they work on other farms, too. The real difference in getting the results is in our culture and leadership, which supports the entire reproductive process," said John.

Genetic strategy is also key to the herd's longevity and health. Dairy Wellness Profit Index® (DWP®), Productive Life (PL), and Daughter Pregnancy Rate (DPR) are among key genetic traits the dairy selects for.

"Our focus is on building healthy cows that age gracefully and stay in the herd longer," shared John. The performance of the 1,800-cow-Jersey herd underscores the effectiveness of this approach. The herd currently averages 98 pounds of Energy-Corrected Milk (ECM), while maintaining a feed efficiency of 2.1 pounds of ECM per pound of dry-matter intake. Additionally, 75% of the herd is comprised of second-lactation-or-greater cows.

Genomic testing and the use of sexed-dairy-and-beef semen makes up the genetic

strategy for the herd. CentralStar Records Analysis Consultant Laura Styczynski and Area Sales Manager Bob Brock, along with the Zoetis team, are instrumental to managing and evaluating the genetic progress of the herd. **"We currently breed 70% of the herd to beef sires and 30% to sexed-Jersey bulls. This balance allows us to optimize both milk and meat production while maintaining our genetic objectives," John said.**

Healthy calves foundational to success

Beyond genetics, the dairy runs a tight ship managing the calf program. By closely monitoring total proteins, with a goal of 5.8 or higher, 95% of the calves achieve high levels of immunity from colostrum, giving them the best start possible.

The farm diligently collects and tests colostrum year-round, feeding the highest-quality colostrum at birth and, again, within six hours. Colostrum that falls short of the standard is used later in the calf's development. "The first immunity calves get is from colostrum, so the better job we do with quality and quantity, the better chance they have to be productive in the future," said John.

A future built on people and cows

Evergreen Dairy remains focused on the core elements that have driven their progress: great leadership, a dedicated team, and a commitment to building an exceptional herd. "Reproductive success isn't magic—it's a product of creating an environment where both people and cows can thrive," said John. For John, it's not just about hitting metrics. "It all starts with people. When you build a strong culture where your team feels valued and empowered, everything else—whether

it's protocols, technology, or genetics—follows naturally."

OLSON DAIRY FARMS, INC.

At Olson Dairy Farms, Inc., embracing automation to minimize stress and encourage consistency in daily practices is at the cornerstone of their success. Owned by third-generation dairy farmers Kurt and Krysta Olson, along with their four boys, the 610-cow dairy in Birnamwood, Wisc., has mastered the art of low-stress herd management. Through automation integration and commitment to consistency and animal well-being, not only have they improved operational efficiency but also gained improvements in many areas, including the reproduction program.

A balanced approach

In 2019, Kurt and Krysta purchased the farm and installed ten robotic milkers in 2020, allowing cows to choose when to be milked, helping maintain their natural rhythm. This freedom reduces stress and contributes to enhanced cow health and performance.

For Kurt, robots are more than just an efficiency tool, they represent a commitment to animal husbandry. "Our cows are low-key and low stress," Kurt explained. "You walk into the barn, and they don't even care what you're doing, they go to the robots, lay down, or eat at their own pace. We let the cows be cows."

This environment certainly contributes to how the dairy has achieved high-pregnancy rates, including 44% in cows with three or more lactations and 36% overall.

Precision breeding

Central to the dairy's reproductive success is a fine-tuned breeding program. The

farm conducts weekly herd-health checks, including ultrasounds, to closely monitor each cow's reproductive status. First-service breedings are timed using double-OvSynch. After that, the farm relies on the Lely monitoring system to identify open cows. Pregnancy checks are performed at 30 and 60 days by ultrasound, and at dry-off as deemed by the vet.

While a consistent program is essential, Kurt credits much of the success to CentralStar A.I. Specialist Zach Wendler. "I've known Zach for years," Kurt said. "His attention to detail is unmatched, and we fully trust him with our breeding program."

The farm's genetic strategy, guided by CentralStar Genetic Consultant Stephani North, emphasizes sires classified as FertilityPRO® and RobotPRO® from the Select Sires lineup. The current cowherd breeding strategy includes using sexed semen on the top 80% of the herd and beef semen on the bottom 20%, a shift from previous practices that has already yielded improvements.

"A year ago, we were using more conventional semen," noted Staphani. **"By changing our strategy, we are able to ensure they get the number of heifers they want each month, from the best animals in the herd."**

Minimize transitions, maximize results

The commitment to consistency and minimizing stress starts at birth. Calves are bottle fed colostrum on day one, and from days two through seven, are individually housed and bottle fed to ensure they are healthy before transitioning to group housing with an automatic feeder. This system has not only reduced labor, but it has significantly improved calf health and growth rates.

"With the automatic feeders, calves are pretty much hands-free until about 10 weeks old," Kurt noted. Installed in 2021, the automatic feeders track each calf's intake and flag those that need extra attention. "Our mortality rate dropped to 1-2% after installing the feeders, and we're seeing big weight gains in our calves," added Kurt. Carefully monitoring each calf and minimizing stressful transitions, the dairy ensures heifers grow into strong, productive cows.

Consistency key to long-term success

Consistency is at the foundation of systems at this dairy. Whether it's mixing feed, implementing breeding protocols, or daily routines, Kurt believes that sticking to a well-established system is key. **"Consistency is the best thing you can do for cows," he said. "It takes a total team effort to deliver consistency, and we have that here, which allows us to get a little better every year."**

The results of this method speak for themselves. Over the past year, the dairy's cull rate has dropped from 37% to 31%, and age at first calving has improved from 25.1 months to 24. These improvements, combined with rising conception rates and a 73% submission rate are just some of the reasons why the farm has achieved high-pregnancy rates.

For Kurt, achieving these reproductive levels is a collaborative effort that involves the entire team—from the vet and nutritionist to the CentralStar team and farm staff. "It's about finding what works for you and your system and working together to set the cows up for success, before you even breed them," he explains. When technology, teamwork, and animal husbandry come together, outstanding results are possible.

REED DAIRY FARM

Tried and true best describes the reproduction program at Reed Dairy Farm, and the results show it. This 300-cow Holstein and Jersey herd, managed by the father-daughter-daughter team of Steve, Elizabeth (Liz), and Malissa Reed, has been a high-performing reproduction herd for many years, and yet continues to improve. Today, the Owosso, Mich., herd has a whole-herd pregnancy rate of 38%, with third- and greater-lactation cows averaging 40%.

PreSynch-Ovsynch and CowManager® make up the reproduction program. Following the synchronization program, first service occurs between 73- and 80-days post-calving; with subsequent breedings initiated by CowManager alerts. An 80% palpation conception rate is what the dairy strives for. "Our conception rate is virtually the same using either method, and 55% of all breedings are completed with Ovsynch and 45% with CowManager, telling me I'm using CowManager correctly," said Steve.

The Reeds are highly disciplined with the entire reproduction program, as Steve and Liz perform all the breeding and administer all synchronization shots to ensure compliance. **"Compliance is critical, and timing is key," said Steve. "We give shots at the same time, breed at the same time, and use the same synchronization products we've always used. We keep everything consistent. Along with that we don't cherry-pick, we don't even consider breeding a cow that shows a heat from the presynch lute. Likewise, if CowManager tells us a cow is in heat, we trust it and proceed with breeding."** Ultrasound pregnancy checks occur at 28 days and, again, between 72-84 days. Open cows

Continued on next page...



REED

DAIRY FARM

40%
PREGNANCY
RATE
3+ LACTATION

38%
PREGNANCY
RATE

70%
SUBMISSION
RATE

Pictured (left): Malissa Reed, Genetic Consultant; Kelly Sporer, Records Analysis Consultant; Dave Lindberg, Area Sales Manager; Steve Reed, Partner; and Liz Reed, Herdperson



MAIER FARMS, LLC

42%
**PREGNANCY
RATE**

73%
**SUBMISSION
RATE**

57%
**FIRST-SERVICE
CONCEPTION RATE**

Pictured (left): Front: Susie Martin, Regional Consulting Manager; Sophie Green, Intern; Brad Fossum, Area Sales Manager. Back: Genny Speckman, Heifer Nutrition Specialist; Jeremy Konen, A.I. Specialist; Max Shenkenberg, Herdsman; and Partners: Gavin, Keith, Patrick, and Scott Maier.

are either re-enrolled in Ovsynch or moved to G6G if they lack a corpus luteum (CL).

"It takes more than just us to get these types of results," shared Steve and Liz. "We have a great practitioner in Dr. Linsey Sanchez from Clinton Vet Service, and Kelly (Sporer, CentralStar Records Analysis Consultant) monitors our data to make sure we stay on track or take advantage of opportunities for improvement."

Focused and flexible breeding decisions

"We are more type centric," said Steve.

"There's something to be said for an old cow. There's a reason why she's still in the herd – genetics definitely play a role."

Breeding decisions are made on a cow-by-cow basis, assessing whether to use conventional or beef semen. Producing 12-14 live heifer calves, monthly, allows for fairly-aggressive culling, while maintaining herd size, and prevents overcrowding in the heifer pen. DPR and Herd Health Profit Dollars® (HHP\$®) are traits included in sire-selection recommendations, which are provided by Malissa, who is a CentralStar Genetic Consultant.

Calf health influences long-term results

Calf health is a priority, with Liz taking a hands-on role to support the success of the next generation. She makes sure everyone working with newborns is properly trained, emphasizing attention to detail, timeframes, protocols, cleanliness, and the reasons behind each step in the process.

"We take calf health very seriously," said

Liz. "I work with Dave (Lindberg, CentralStar Area Sales Manager) to identify products that help support calves' immune systems, digestion and overall growth, especially during

vulnerable stages. We are aggressive with proactive care, because they are our future."

Reed Dairy has strict calf-care protocols, including the administration of colostrum within 30 minutes of birth, along with a CONVERT™ Day-One Calf Bolus. Eight to 12 hours later, calves receive more colostrum. Additionally, for the first 14 days, calves are fed a probiotic (First 21™) to bridge the immunity gap and AccelAIRate to protect against respiratory health.

"If a calf doesn't finish its milk or seems a bit off, I take action right away—I don't wait to see if it resolves on its own," shared Liz. "I give a lot of attention to the calves and use supportive products to strengthen their systems; it helps us keep antibiotic use to a minimum. When a two-year-old calves in and has difficulty, I can often trace it back in the health records to an earlier issue, often a respiratory challenge."

Pragmatic approach to reproduction

Herd management balances reproductive performance with economics. While achieving a high-pregnancy rate is important, the Reeds shared, "we could sacrifice a bit in that area, as there is little financial benefit once you reach 35%."

Maintaining organization and discipline is key to a dairy's success. Little details—like ensuring cows are in the right pens—make a big difference in results. **"When you see substandard results, it's often due to compliance with your processes," Steve said. With a focus on what works, the Reeds maintain a productive and healthy herd, while keeping systems as simple and effective as possible.**

Results through consistency

The unwavering commitment to timing, compliance, and consistent protocols has helped Reed Dairy Farm achieve and maintain impressive reproductive metrics for many years, while fostering a healthy, productive herd. "We focus on what works and don't second-guess our methods," shared Liz and Steve. "We believe if it isn't broke, don't fix it."

MAIER FARMS, LLC

A 42% pregnancy rate and 7% non-completion rate doesn't happen by accident—they're the product of careful planning, and a relentless drive for improvement. The team at Maier Farms, LLC, Waunakee, Wisc., has mastered those skills and the art of heifer reproduction, turning their heifer program into a model of consistency and success.

Aggressive reproductive strategy

"The best thing we can do with heifers to achieve high-pregnancy rates is to have a high-service rate," shared Maier Farms Herd Manager Max Shenkenberg. "We need to get them to show heats and get semen in them. Consistent heat detection is critical also – doing it at the same time every day. We have an aggressive approach, and it works."

The farm's reproductive program kicks into gear when heifers reach 390 days. At 393 days, prostaglandin is administered to every eligible heifer, which ensures the vast majority are cycling and ready for breeding by 13 months of age. Max performs pregnancy verification by ultrasound between 32-46 days, with a recheck at 70-84 days. Open heifers with a CL are administered prostaglandin, with the balance enrolled in a CIDR®-synch program.

Max attributes the herd's low non-completion rate to culling heifers when they pass the four-service threshold or abort in the pregnant pen. **"We don't have many heifers not make it to the milking herd, and that's a testament to creating healthy, fertile animals; excellent comfort; and having proper ventilation so that once they get pregnant, they stay pregnant,"** said Max.

Setting the foundation for success

"The biggest thing we can do to set the girls up for success is to make sure they hit the ground running on day one," said Max. **"We have a great maternity-pen team that ensures every calf gets the attention they need and deserve, including a gallon of colostrum at birth."** Calves are born on the farm and moved to a calf ranch within three days, where they stay until six months of age, after which they return to Maier Farm's oversight. "We do daily-pen walks to ensure heifers remain healthy and well-grown."

"Genetic selection absolutely plays a role in our reproduction results," shared Max. "We look at Net Merit Dollars (NMS) and Combined Fat and Protein (CFP) to create productive

girls, but also emphasize DPR and HHP\$ making sure the offspring will be fertile animals. **Our dairy genetics include sexed semen from NxGEN® sires, because we want to use the best of the best that Select Sires has to offer."**

At Maier Farms, a sexed- and beef-semen approach is used. "We want to be self-sustaining, so we work closely with Susie (Martin, Regional Consulting Manager) and Brad (Fossum, Area Sales Manager) to make sure we are creating the appropriate number of heifers each month. By keeping a steady stream of well-grown heifers, it sets us up for success."

Recently, the breeding strategy has changed from two services of sexed semen to three for their highest genetic animals, ensuring only the highest-quality offspring are produced.

"Nearly 99% of heifers are mated using sexed semen, which is a testament to the genetic improvement we are making," said Max.

Max adds, "When we were going through our expansion, we were focused on making as many heifers as possible to help fill our barns. By doing that we created slugs, which

stressed out heifers and our partners. About a year ago, we really dialed in our strategy with the help of the CentralStar team to get us out of the waves and lulls of heifers. Once we did that, we saw a lot of relief on our youngstock system, which translates to healthier heifers."

Patience, persistence, and teamwork

Behind Maier Farms' success is a well-trained and cohesive team. While Max performs 60% of the breedings, he's quick to credit the rest of the team. "The other team members have a big hand in our results," said Max. "Our intern, Sophie Green, did a heck of a job this summer, and Jeremy Konen (CentralStar A.I. Specialist), who is our relief help, of course does a tremendous job. He's a master."

The farm's reproductive success is not only the result of aggressive strategies but also the team's patience and dedication. "Surround yourself with a good team," Max said. "It always helps to have more eyes on the heifer pen, and when the team can trust each other and value the collective input, it's a recipe for success."

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4XLA™ pre and post teat dip

4XLA is specifically designed for daily teat disinfection before and after milking. This powerful, yet gentle, teat dip provides fast kill of mastitis causing organisms and is a time-tested aid in the reduction of hyperkeratosis.

Disinfection

**POWERED BY
ASC TECHNOLOGY**

Powerful

- Killing rate of greater than 99.999% of mastitis causing pathogens
- Effective against *Mycoplasma bovis* and *Prototheca*

Efficient

- Maximum kill at 15 seconds

Residue Safe

- NPE free
- Leaves no residue and biodegrades rapidly

Promotes Teat Skin Health

- Emollient with 5% glycerin
- Exfoliant with Alpha Hydroxy Acid
- Replenishes the skin's natural protective acid mantle



For more information, please contact greg.stumpf@ecolab.com

4XLA is a trademark of ECOLAB, Inc.

GET MORE

Choosing the best index for **LONG-TERM SUCCESS**

Maintaining a smaller heifer inventory can lead to fewer culls, enabling more mature cows to contribute at higher production levels. Yet, these high-producing mature cows are also more susceptible to risks such as mastitis and increased Somatic Cell Counts (SCC). How can you ensure your breeding choices, today, foster healthier, longer-living cows?

Herd Health Profit Dollars® (HHP\$®) is a breeding index that prioritizes health traits, particularly mastitis resistance. The HHP\$ formula places emphasis on mastitis resistance and SCS at 19%, significantly more than the 5% found in TPI® and Net Merit (NM\$). It also considers udder depth, ideal teat size and placement, and reduced stature without sacrificing strength.

HHP\$ is designed for sustainable profitability, helping herds withstand market fluctuations by focusing on health and wellness genetics. By choosing HHP\$ over traditional indexes, you can ensure cows stay productive through their third lactation and beyond.

Scan the QR code and talk to your local CentralStar team to **get more** insights on how HHP\$ can transform your herd's health and profitability!

Industry index comparison

	TPI®	NM\$	CM\$	DWP\$	HHP\$
Milk	0%	1%	-2%	1%	0%
CFP	44%	48%	48%	34%	37%
Mastitis, SCC	5%	3%	4%	13%	19%
Fertility	13%	6%	5%	12%	11%
Other cow health	9%	21%	20%	21%	17%
Calving ability	2%	3%	3%	2%	1%
Calf health	0%	1%	1%	7%	0%
Conformation	25%	4%	4%	0%	8%
Size/RFI	-2%	-13%	-13%	-10%	-7%

**CREATE MORE
CASH COWS**



	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
1	Fischer & Clark Dairy, Hatley, WI	XX	1,042	33,095	1,432	4.3	1,085	3.3	6.9	37,667
2	Joseph & Susan Rieden, Mount Calvary, WI	XX	633	31,838	1,333	4.2	1,036	3.3	6.5	35,599
3	Tony Rosebrugh, West Branch, MI	XX	788	32,871	1,310	4.0	1,014	3.1	6.4	35,470
4	Blanchard Family Dairy, Charlotte, IA	XX	1,763	29,139	1,319	4.5	951	3.3	6.2	33,885
5	Pagels Ponderosa, Kewaunee, WI	XX	6,877	27,214	1,364	5.0	947	3.5	6.3	33,807
6	Dairy Dreams, Casco, WI	XX	4,967	27,414	1,305	4.8	939	3.4	6.1	33,047
7	Charles & Kappy Koch, Tremont, IL	XX	143	25,891	1,317	5.1	942	3.6	6.2	32,728
8	Darryl, Donna, Shawn & Levi Banowetz, Charlotte, IA	XX	373	28,479	1,245	4.4	946	3.3	6.0	32,672
9	Amy Karpinski, Waupaca, WI	XX	367	29,850	1,194	4.0	958	3.2	5.9	32,552
10	Auburnvale Swiss, Fremont, WI	XX	187	28,267	1,239	4.4	925	3.3	5.9	32,365
11	Gary & Heather Krogmann, Winthrop, IA	XX	72	29,063	1,201	4.1	948	3.3	5.9	32,309
12	Nathan & Tajia Retzlaff, Shawano, WI	XX	50	29,732	1,194	4.0	921	3.1	5.8	32,230
13	John & Edwin Maxwell, Donahue, IA	JE	249	26,127	1,241	4.7	976	3.7	6.1	32,081
14	Tom Engelken, Earlville, IA	XX	27	27,476	1,223	4.5	948	3.5	5.9	32,075
15	Nathan & Tajia Retzlaff, Shawano, WI	XX	26	30,592	1,157	3.8	885	2.9	5.6	31,757
16	Rolling Valley Jerseys, Waterville, IA	XX	30	27,698	1,197	4.3	939	3.4	5.9	31,742
17	Sand Creek Dairy LLC, Hastings, MI	JE	417	24,725	1,261	5.1	928	3.8	6.0	31,514
18	Ron Folkema, Fremont, MI	XX	1,063	28,869	1,173	4.1	880	3.0	5.6	31,363
19	Loehr Dairy LLC, Mount Calvary, WI	XX	47	26,471	1,213	4.6	904	3.4	5.8	31,280
20	United Pride Dairy LLC, Phillips, WI	XX	301	25,200	1,234	4.9	917	3.6	5.9	31,236
21	Bruce Martin, Whittemore, MI	XX	105	28,060	1,166	4.2	901	3.2	5.7	31,168
22	Twinkle-Hill Brown Swiss, Watertown, WI	BS	48	26,184	1,156	4.4	921	3.5	5.7	30,578
23	Gary Sulzer, Marathon, WI	XX	85	24,084	1,202	5.0	882	3.7	5.7	30,189
24	Randy & Michelle Buehne, Highland, IL	XX	164	26,880	1,113	4.1	894	3.3	5.5	30,042
25	Auburnvale Swiss, Fremont, WI	BS	78	26,301	1,129	4.3	891	3.4	5.5	30,037
26	Stanley Ferris, Cement City, MI	XX	164	28,995	1,039	3.6	886	3.1	5.3	29,714
27	Rolling Valley Jerseys, Waterville, IA	XX	25	24,025	1,148	4.8	864	3.6	5.5	29,332
28	McAllister Family Dairy LLC, New Vienna, IA	JE	41	22,301	1,193	5.3	847	3.8	5.6	29,221
29	Grass Ridge Farm LLC, Pittsville, WI	JE	116	22,516	1,174	5.2	863	3.8	5.6	29,168
30	Doug Fairbanks, Anamosa, IA	BS	68	25,208	1,111	4.4	850	3.4	5.4	29,133
31	Hendel Farms, Caledonia, MN	BS	29	24,347	1,112	4.6	839	3.4	5.3	28,780
32	Wolfdairy LLC, Epworth, IA	XX	275	25,964	1,076	4.1	810	3.1	5.2	28,621
33	Duane, Jeanne & Dave Meier, Monticello, WI	BS	65	23,577	1,093	4.6	863	3.7	5.4	28,466
34	Landstad Dairy LLC, Bonduel, WI	XX	102	25,176	1,067	4.2	827	3.3	5.2	28,377
35	Darga Farms, Pound, WI	XX	326	24,932	1,082	4.3	806	3.2	5.2	28,331
36	Tim & Kari Gaul, Guttenberg, IA	XX	89	26,570	1,018	3.8	835	3.1	5.1	28,259
37	Bohnert Jerseys, East Moline, IL	JE	708	22,242	1,113	5.0	857	3.9	5.4	28,243
38	Erdman Dairy, Chenoa, IL	XX	53	24,454	1,093	4.5	784	3.2	5.1	28,148
39	Merideth & Brandon Maier, Thorp, WI	BS	192	24,411	1,056	4.3	847	3.5	5.2	28,137
40	Bob & John Bennett, Prescott, MI	XX	213	25,122	1,046	4.2	805	3.2	5.1	27,919
41	Ted & Jonathan Keenan, Osseo, MI	XX	53	26,894	984	3.7	831	3.1	5.0	27,894
42	Carrie Peissig, Loyal, WI	XX	54	25,159	1,037	4.1	814	3.2	5.1	27,883
43	Dan Mauer, Scottville, MI	XX	44	24,927	1,025	4.1	842	3.4	5.1	27,866
44	Fisk Farms, Sand Lake, MI	XX	277	26,273	1,009	3.8	806	3.1	5.0	27,824
45	Martha Imhoff, Goshen, IN	XX	57	23,199	1,124	4.8	736	3.2	5.1	27,772
46	Robert Roden, West Bend, WI	XX	937	24,714	1,052	4.3	768	3.1	5.0	27,580
47	Petro Farms, Gobles, MI	JE	49	22,244	1,069	4.8	838	3.8	5.2	27,528
48	Wes Weaver, Sheldon, WI	XX	211	25,481	995	3.9	818	3.2	5.0	27,475
49	Darren Rusch, Pound, WI	JE	99	21,224	1,127	5.3	757	3.6	5.2	27,326
50	Cal & Barb Marshall, Lupton, MI	XX	609	24,145	1,072	4.4	706	2.9	4.9	27,179
51	Thuemmel Dairy, Port Austin, MI	XX	33	25,693	947	3.7	845	3.3	4.9	27,130
52	Petro Farms, Gobles, MI	XX	42	24,901	967	3.9	822	3.3	4.9	26,954
53	Eric Gaul, Farley, IA	XX	134	23,687	1,031	4.4	762	3.2	4.9	26,926
54	United Pride Dairy LLC, Phillips, WI	JE	542	20,390	1,098	5.4	788	3.9	5.2	26,915
55	Eric Frahm, Frankenmuth, MI	BS	25	24,209	975	4.0	818	3.4	4.9	26,800
56	John & Wendy Korth, Freeport, IL	BS	78	23,420	981	4.2	822	3.5	4.9	26,651
57	Jacob Worden, Sumner, IA	XX	37	23,014	995	4.3	801	3.5	4.9	26,538
58	Ron & Nicole Wussow, Cecil, WI	JE	66	20,506	1,071	5.2	774	3.8	5.1	26,496
59	Doug Fairbanks, Anamosa, IA	JE	81	20,807	1,069	5.1	757	3.6	5.0	26,438
60	Deutsch Farms, Sycamore, IL	XX	201	23,199	984	4.2	791	3.4	4.9	26,380
61	Golden Sun Dairy LLC, Shiocton, WI	JE	47	20,041	1,066	5.3	779	3.9	5.1	26,317
62	Lewis Century Stock Farms Inc, Lagrange, IN	BS	145	24,034	958	4.0	789	3.3	4.8	26,301
63	Jacob Worden, Sumner, IA	BS	58	23,622	952	4.0	814	3.4	4.8	26,280
64	Jenks Jersey Farm, Marathon, WI	JE	826	18,993	1,041	5.5	826	3.9	5.1	26,011
65	Roger Mason, Stanley, WI	XX	55	21,442	1,049	4.9	694	3.2	4.8	25,905
66	Saxon Homestead Farms, Cleveland, WI	XX	576	21,654	1,008	4.7	749	3.5	4.8	25,864
67	Tom Zenz, Grass Lake, MI	XX	232	24,040	935	3.9	768	3.2	4.7	25,845
68	Lee-Ann's Swiss LLC, DeWitt, IA	BS	78	21,924	969	4.4	791	3.6	4.8	25,769
69	Dean Carrillon, Carlyle, IL	XX	51	22,991	937	4.1	783	3.4	4.7	25,642
70	Doug Fairbanks, Anamosa, IA	XX	34	21,655	994	4.6	730	3.4	4.7	25,538

**TOP
ECM
PROTEIN
BREED
HERDS**

≥19,000 ECM



TOP ECM PROTEIN BREED HERDS

≥19,000 ECM

	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
71	Richlo Dairy Farms, Engadine, MI	XX	275	22,707	928	4.1	767	3.4	4.6	25,310
72	Tom & Karen Hamlett, Arlington, IA	XX	65	23,954	899	3.8	759	3.2	4.5	25,281
73	I O State Dairy, Ames, IA	JE	37	19,572	1,019	5.2	736	3.8	4.8	25,226
74	Twin Oak Farms, Dorchester, WI	XX	26	22,769	925	4.1	750	3.3	4.6	25,162
75	David Michels, Osage, IA	XX	136	21,960	956	4.4	725	3.3	4.6	25,107
76	Gary & Darlene Kregel, Guttenberg, IA	XX	457	21,405	979	4.6	709	3.3	4.6	25,101
77	Gary Nielsen, Coral, MI	XX	66	22,631	938	4.1	721	3.2	4.5	25,063
78	Peter Kimball, Baldwin, WI	JE	106	19,744	993	5.0	747	3.8	4.8	25,030
79	Twin River Dairy Inc, Freeport, MI	XX	476	20,651	977	4.7	717	3.5	4.6	24,890
80	Anthony Baer, Conrath, WI	XX	70	22,426	952	4.2	681	3.0	4.5	24,871
81	Troy Pauli, New Glarus, WI	BS	78	22,142	882	4.0	778	3.5	4.5	24,614
82	Dan Johnson, Evansville, WI	JE	46	20,353	941	4.6	728	3.6	4.6	24,411
83	Clover Farms, Dundas, IL	JE	1,700	19,221	956	5.0	743	3.9	4.7	24,349
84	Spring Creek Farms Inc, Hixton, WI	JE	43	19,572	966	4.9	699	3.6	4.6	24,257
85	Jason & Mary Hettinga, Orange City, IA	JE	162	19,549	933	4.8	752	3.8	4.6	24,228
86	Redetzkes' No Joke Dairy, Stratford, WI	XX	251	18,538	985	5.3	688	3.7	4.6	24,081
87	Craig Miller & Family, Orangeville, IL	XX	31	23,390	835	3.6	719	3.1	4.3	23,962
88	Todd Kahl-Busch Farms Ltd, Belvidere, IL	XX	130	21,111	896	4.2	708	3.4	4.4	23,923
89	Jake & Colleen Thostenson, Brodhead, WI	BS	51	20,595	880	4.3	745	3.6	4.5	23,830
90	Jordan Martin, Greenwood, WI	JE	76	18,559	961	5.2	685	3.7	4.5	23,754
91	Randy D Knapp, Epworth, IA	XX	93	20,422	908	4.4	695	3.4	4.4	23,753
92	Kemridge Farm 2 Inc, Westfield, WI	XX	34	19,570	925	4.7	695	3.6	4.4	23,695
93	Dave & Laurie Kyle, Elkhorn, WI	JE	132	18,795	944	5.0	695	3.7	4.5	23,688
94	Duron & Darin Bratland, Spring Grove, MN	BS	122	21,470	858	4.0	720	3.4	4.3	23,640
95	Randy James, Livingston, WI	FL	445	20,775	885	4.3	702	3.4	4.3	23,624
96	Brain Saunders, Independence, IA	XX	76	20,472	893	4.4	701	3.4	4.4	23,621
97	Hallet Dairy Farm LLC, Casco, WI	XX	88	19,308	952	4.9	649	3.4	4.4	23,607
98	Ramer View Holsteins, Goshen, IN	XX	170	21,555	873	4.1	681	3.2	4.3	23,563
99	Dan & Melissa Fagle, Fayette, IA	XX	36	22,001	852	3.9	691	3.1	4.2	23,514
100	Robert Brandt, Postville, IA	BS	61	20,628	864	4.2	727	3.5	4.4	23,496
101	Gucwa Farms, Bad Axe, MI	XX	138	20,901	866	4.1	703	3.4	4.3	23,427
102	Bo-Te Farms Inc, West Branch, MI	XX	297	22,066	838	3.8	678	3.1	4.2	23,254
103	James Hauschildt, Ellsworth, WI	BS	44	20,540	881	4.3	669	3.3	4.2	23,243
T	Fordyce Family Farm, Aurelia, IA	XX	144	20,600	847	4.1	724	3.5	4.3	23,243
105	Tumbleweed Dairy, Lowell, MI	XX	34	20,799	871	4.2	671	3.2	4.2	23,214
106	Larry & Jennifer Meyer, Chilton, WI	BS	32	21,401	828	3.9	713	3.3	4.2	23,175
107	Loras Krus Family, Holy Cross, IA	XX	72	19,873	888	4.5	668	3.4	4.3	23,108
108	Grand Central Jerseys LLC, Bristow, IA	JE	165	18,570	906	4.9	683	3.7	4.4	23,030
109	Pete & Ann Steffel, Oconto Falls, WI	XX	56	20,545	841	4.1	695	3.4	4.2	22,926
110	Mark & Rhonda Hefel, Epworth, IA	JE	53	18,273	872	4.8	704	3.9	4.3	22,653
111	Michael Heckaman, Argos, IN	JE	221	17,440	929	5.3	643	3.7	4.3	22,652
112	Ronald Richards, Fairbank, IA	JE	88	17,808	901	5.1	674	3.8	4.3	22,647
113	Steinhauers Jerseys, Mattoon, WI	JE	95	17,738	887	5.0	680	3.8	4.3	22,489
114	Abrahamson & Abrahamson LLC, Waupaca, WI	XX	52	20,743	817	3.9	668	3.2	4.1	22,473
115	Andy Dums, Rib Lake, WI	JE	45	18,366	863	4.7	679	3.7	4.2	22,376
116	Lyle Borkholder, Nappanee, IN	JE	83	17,567	920	5.2	615	3.5	4.2	22,363
117	Leipprandt Dairy LLC, Pigeon, MI	JE	188	17,322	920	5.3	624	3.6	4.2	22,352
118	K & S Farms, Hudson, IN	XX	153	20,664	805	3.9	672	3.3	4.0	22,323
119	Doug & Jane Wagner, Marissa, IL	XX	43	20,100	823	4.1	665	3.3	4.1	22,318
120	Jake & Colleen Thostenson, Brodhead, WI	JE	150	17,256	887	5.1	675	3.9	4.3	22,293
121	Hagen Brothers Dairy, Waterville, IA	XX	67	19,440	836	4.3	659	3.4	4.1	22,224
122	Murphy Family Farm, New London, WI	JE	97	16,566	916	5.5	629	3.8	4.2	22,091
123	Donna Kunde, Manchester, IA	JE	219	17,696	882	5.0	636	3.6	4.2	22,074
124	Thomas Thums, Pickett, WI	XX	38	20,590	793	3.9	660	3.2	4.0	22,051
125	Ryan Kluesner, Worthington, IA	XX	38	20,058	797	4.0	673	3.4	4.0	22,029
126	Brad Dietsche & Family, Colfax, WI	BS	39	19,123	817	4.3	670	3.5	4.1	21,959
127	Aaron Dietsche, Bloomer, WI	XX	120	18,789	821	4.4	662	3.5	4.1	21,840
128	Bill Seyller, Fond du Lac, WI	JE	37	16,952	876	5.2	647	3.8	4.2	21,837
129	Nathan & Jody Nus, Arlington, IA	XX	44	20,066	799	4.0	625	3.1	3.9	21,690
130	Andy Hauser, Clarksville, IA	XX	27	19,700	784	4.0	658	3.3	4.0	21,628
131	Paul Hoesly, New Glarus, WI	XX	43	21,007	745	3.5	647	3.1	3.8	21,467
132	Wayne & Julie Peterson, Amherst, WI	XX	185	19,155	793	4.1	636	3.3	3.9	21,398
133	Albern Olson, Stanton, MI	XX	115	18,428	818	4.4	623	3.4	3.9	21,385
134	Craig Miller & Family, Orangeville, IL	XX	33	20,389	750	3.7	641	3.1	3.8	21,283
135	Robrt & Susan Kinney, Durand, IL	XX	42	19,094	789	4.1	617	3.2	3.9	21,181
136	Rob Marten, Onondaga, MI	XX	66	18,741	773	4.1	654	3.5	3.9	21,142
137	Leo & Keith Schulte, Dorchester, IA	JE	246	17,316	817	4.7	632	3.6	4.0	21,077
138	Hickory Grove Dairy, Dakota, IL	JE	61	16,531	837	5.1	627	3.8	4.0	21,041
139	Wayne & Michael Mormann, Colesburg, IA	XX	30	17,603	839	4.8	577	3.3	3.9	21,035
140	Carissa Scheider, Browntown, WI	XX	68	19,768	758	3.8	607	3.1	3.7	20,924

	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
141	Shawn & Dwight Gibbs, Farley, IA	JE	62	16,878	814	4.8	622	3.7	3.9	20,819
142	Daniel Siegert, Peosta, IA	BS	226	18,781	757	4.0	637	3.4	3.8	20,818
143	Folkersma Farms LLC, Rudyard, MI	XX	122	18,250	788	4.3	607	3.3	3.8	20,816
144	Andy Lemler, Bourbon, IN	XX	85	20,255	705	3.5	661	3.3	3.7	20,810
145	Gucwa Farms, Bad Axe, MI	XX	38	18,435	757	4.1	624	3.4	3.8	20,605
146	Paul Kilgus, Fairbury, IL	JE	229	17,011	795	4.7	618	3.6	3.9	20,586
147	Hubert Rankin, Atlanta, IL	GU	48	17,445	789	4.5	604	3.5	3.8	20,543
148	Steve Klug, Spring Grove, MN	BS	105	18,369	755	4.1	617	3.4	3.8	20,504
149	Todd Bores, Auburndale, WI	XX	51	18,923	739	3.9	607	3.2	3.7	20,401
	T Robert & Susan Kinney, Durand, IL	XX	78	17,884	764	4.3	609	3.4	3.8	20,401
151	Cedar Hill Dairy Farm, Freeport, IL	XX	129	19,787	718	3.6	599	3.0	3.6	20,351
152	Graybill Farms, Freeport, IL	JE	177	15,804	804	5.1	604	3.8	3.9	20,200
153	Parsons Dairy Farm LLC, Antigo, WI	JE	37	16,723	776	4.6	588	3.5	3.7	20,016
154	Richlo Dairy Farms, Engadine, MI	JE	96	15,473	807	5.2	586	3.8	3.8	19,993
155	Troy & Lindsey Nevil, Juda, WI	BS	69	18,094	727	4.0	593	3.3	3.6	19,868
156	Medlang Swiss - Linda Medlang, Kensett, IA	BS	82	17,991	723	4.0	604	3.4	3.6	19,867
157	Tim Covington, Leon, IA	JE	50	15,917	779	4.9	597	3.8	3.8	19,860
158	Wendy Bok, Defiance, OH	JE	393	15,834	786	5.0	584	3.7	3.8	19,824
159	Matt Brahmer, Spring Valley, WI	GU	31	15,729	796	5.1	565	3.6	3.7	19,774
160	Rolling Prairie Guernsey, Garnavillo, IA	GU	253	16,926	748	4.4	580	3.4	3.6	19,658
161	Jason Weihrouch, Melrose, WI	XX	42	17,339	727	4.2	587	3.4	3.6	19,575
162	Idlegold Guernsey, Comstock, WI	GU	149	16,425	760	4.6	560	3.4	3.6	19,497
163	Valley Gem Farms Inc, Cumberland, WI	JE	29	15,021	787	5.2	571	3.8	3.7	19,472
164	Mackinson Dairy, Pontiac, IL	AY	47	18,591	689	3.7	583	3.1	3.5	19,462
165	John L Schwartz, Bremen, IN	JE	139	15,656	767	4.9	575	3.7	3.7	19,451
166	Marshland Dairy LLC, Spencer, WI	JE	95	15,576	772	5.0	565	3.6	3.7	19,413
167	Flotos Jerseys, Oregon, IL	JE	110	15,670	766	4.9	571	3.6	3.7	19,412
168	Lavern Martin, Decker, MI	XX	65	17,431	725	4.2	564	3.2	3.5	19,403
169	Gary Ihm, East Dubuque, IL	XX	46	18,505	690	3.7	568	3.1	3.4	19,332
170	Bruce Eldred, Blanchard, MI	JE	72	15,732	756	4.8	571	3.6	3.6	19,303
171	Family Af-Ayr Farm LLC, Caledonia, IL	AY	83	18,125	696	3.8	570	3.1	3.5	19,301
172	Mark Blaha, New Auburn, WI	JE	242	14,703	778	5.3	558	3.8	3.7	19,152
173	Kadence, New Glarus, WI	GU	68	16,052	735	4.6	564	3.5	3.6	19,082



**TOP
ECM
PROTEIN
BREED
HERDS**

≥19,000 ECM



Ca3 BIOFRESH

Triple the calcium power without the burn

Three calcium sources ensure steady, sustained release that are safe to the mouth, esophagus, and rumen. Each bolus also delivers 50,000 IU of Vitamin D₃ to boost Ca absorption and metabolism, as well as immune function. Unlike other calcium boluses, Ca3 combines calcium bioavailability and utilization, making it the effective, gentle choice your fresh cows deserve.



Ca3 BIOFRESH 

OTHER BOLUSES

Calcium Sources	Calcium acetate	Calcium sulfate	Tricalcium phosphate	Calcium chloride	Calcium carbonate
Speed of absorption	quick	moderate	slow	quick	slow
Ruminal bioavailability	high	high	moderate	high	moderate
Caustic to membranes	low	low	low	high	low



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CentralStar TEAM MEMBERS GET MORE FROM THEIR CAREERS TEAMWORK. CULTURE. GROWTH.



"My job is to work with our team to provide a broad range of information for our farmers that are good tools for decision making. Our manager (Pam) is always available for problem solving if we get stuck with a computer problem or when we need extra help. There is a certain camaraderie within the company that we experience."

DHI SPECIALIST

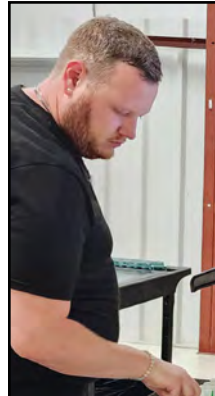
LORETTA BROECKER



"I was interested in working for CentralStar, because I wanted to work with livestock every day. What makes this company different is the amazing support it provides: from the A.I. team in the field lending a hand or the people in the office giving us information we need and keeping records organized. CentralStar runs a tight ship. I'm excited to see where my career leads in the future as the cooperative continues to grow."

TEAM A.I. TECHNICIAN


BRYCE MONTGOMERY



"What I like most about my career is I get to help make an impact in the dairy and cattle industry. I also love how the company gives off a family feel, so whoever I work with feels like someone I've known forever."

LABORATORY TECHNICIAN

KYLE CARPENTER



"I enjoy my job, because every day is different: from early in the morning to late at night and a herd of 30 cows to one of 2,500. In addition, I feel like dairy farmers are the easiest people to work with. They're just hardworking, good people; they're like my family."

DHI SPECIALIST

SHELLIE VOLKER



"If you have interest in working with dairy cattle, first make sure you have a supportive family on the home front; that really helped me. I also like seeing the different types of farming operations; there's no one size fits all. The A.I. team around me is really helpful; they'll reach out to check on me. I wasn't planning on that when I started with CentralStar, and I really like that part of the culture."

TEAM A.I. TECHNICIAN

SARAH ROMANOWSKI



"The support among my fellow team members creates a positive environment and makes my role enjoyable. As a long-time team member, the flexibility and opportunities available led me to continue my career here. My advice for new team members is if you have a positive attitude and make yourself available to help out when needed, you will have a lasting and rewarding career with CentralStar."

COWMANAGER AND A.I. SPECIALIST

MARK AFFOLDER

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3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM	SCC
*	Nathan & Tajia Retzlaff, Shawano, WI	XX	26	30,592	1,157	3.8	885	2.9	5.6	31,757	28,000
	Raymond Dairy Inc, New Richmond, WI	HO	90	27,933	1,079	3.9	900	3.2	5.4	29,992	31,000
*	Grass Ridge Farm LLC, Pittsville, WI	JE	116	22,516	1,174	5.2	863	3.8	5.6	29,168	33,000
	David & Peter Score, Boyceville, WI	HO	120	26,168	1,132	4.3	875	3.3	5.5	29,910	41,000
	Al Ledvina, Luxemburg, WI	HO	59	20,829	858	4.1	646	3.1	4.1	22,864	41,000
*	Oesch Swisslane, Alto, MI	HO	1,571	29,436	1,292	4.4	960	3.3	6.2	33,701	42,000
*	Nichols Hill Dairy, Krakow, WI	HO	334	30,376	1,296	4.3	983	3.2	6.2	34,236	43,000
	Kevin & Kim Radloff, Oshkosh, WI	HO	132	24,626	1,000	4.1	780	3.2	4.9	26,970	45,000
	Jacob Worden, Sumner, IA	XX	37	23,014	995	4.3	801	3.5	4.9	26,538	46,000
	Milk Source Genetics LLC, Kaukauna, WI	HO	56	23,401	957	4.1	743	3.2	4.7	25,729	46,000
	Lyle Borkholder, Nappanee, IN	JE	83	17,567	920	5.2	615	3.5	4.2	22,363	47,000
	Mike Bosscher, McBain, MI	HO	211	27,827	1,104	4.0	850	3.1	5.4	29,899	49,000
	Welling Farms, Albany, IL	HO	33	20,956	1,026	4.9	643	3.1	4.6	25,058	49,000
	Ed & Bob Meier, Belleville, WI	HO	54	23,123	1,030	4.5	774	3.3	4.9	26,821	50,000
	Twinkle-Hill Brown Swiss, Watertown, WI	BS	48	26,184	1,156	4.4	921	3.5	5.7	30,578	52,000
	Jonathan Burkholder, Sheridan, MI	HO	82	25,679	1,039	4.0	815	3.2	5.1	28,087	52,000
*	Fischer & Clark Dairy, Hatley, WI	XX	1,042	33,095	1,432	4.3	1,085	3.3	6.9	37,667	55,000
	McAllister Family Dairy LLC, New Vienna, IA	JE	41	22,301	1,193	5.3	847	3.8	5.6	29,221	55,000
	McAllister Family Dairy LLC, New Vienna, IA	HO	276	33,221	1,340	4.0	1,065	3.2	6.6	36,364	57,000
	Leon Henneman, Ellsworth, WI	HO	48	29,942	1,210	4.0	1,002	3.3	6.1	33,126	57,000
	Hendel Farms, Caledonia, MN	BS	29	24,347	1,112	4.6	839	3.4	5.3	28,780	59,000
*	Steffes Holsteins, Elizabeth, IL	HO	528	27,386	1,074	3.9	852	3.1	5.3	29,381	60,000
	Eric Frahm, Frankenmuth, MI	BS	25	24,209	975	4.0	818	3.4	4.9	26,800	60,000
	Jesse & Rachel Thoma, Manawa, WI	HO	78	27,559	1,131	4.1	895	3.2	5.6	30,505	61,000
	Mike Bosscher, McBain, MI	HO	53	25,963	1,050	4.0	802	3.1	5.1	28,223	61,000
	Brent Mueller, Garden Prairie, IL	HO	39	26,196	991	3.8	806	3.1	4.9	27,565	62,000
	Paige Mier, Prescott, MI	HO	65	19,502	786	4.0	609	3.1	3.8	21,215	62,000
	Amy Karpinski, Waupaca, WI	XX	367	29,850	1,194	4.0	958	3.2	5.9	32,552	63,000
*	Crandall Farms LLC, Battle Creek, MI	HO	355	32,160	1,372	4.3	1,047	3.3	6.6	36,293	64,000
*	Mike Zagata, Sebawaing, MI	HO	709	31,395	1,352	4.3	969	3.1	6.4	35,187	64,000
*	Brickstead Dairy LLC, Greenleaf, WI	HO	1,032	31,090	1,319	4.2	1,024	3.3	6.4	35,081	66,000
	David & Julie Marcks, Black Creek, WI	HO	45	27,829	1,079	3.9	862	3.1	5.3	29,667	66,000
	R A Schanbacher Inc, Newhall, IA	HO	136	27,119	1,066	3.9	865	3.2	5.3	29,290	66,000
	Stuart Farms, Lowell, MI	HO	433	30,693	1,325	4.3	1,007	3.3	6.4	34,899	67,000
	Eric Frahm, Frankenmuth, MI	HO	133	29,452	1,135	3.9	938	3.2	5.7	31,505	67,000
	McCulloch Farms, Rockford, IL	HO	87	28,570	1,136	4.0	874	3.1	5.5	30,740	67,000
*	Nathan & Tajia Retzlaff, Shawano, WI	XX	50	29,732	1,194	4.0	921	3.1	5.8	32,230	68,000
*	MSU Dairy Dept, Lansing, MI	HO	247	29,103	1,096	3.8	929	3.2	5.5	30,817	68,000
*	Horsens Homestead Farms, Cecil, WI	HO	1,437	34,223	1,469	4.3	1,126	3.3	7.1	38,828	69,000
*	Grass Ridge Farm LLC, Pittsville, WI	HO	598	31,037	1,355	4.4	1,057	3.4	6.6	35,782	69,000
	Tom Engelken, Earlville, IA	XX	27	27,476	1,223	4.5	948	3.5	5.9	32,075	69,000
	River Crest Dairy LLC, Greenwood, WI	HO	258	30,467	1,338	4.4	1,022	3.4	6.5	35,108	70,000
*	Ambrosius Dairy Farm, Seymour, WI	HO	128	33,399	1,343	4.0	1,081	3.2	6.6	36,583	72,000
*	Wilnore Holsteins, Milton, WI	HO	83	32,190	1,267	3.9	1,022	3.2	6.3	34,752	72,000
	Cliff & Curt Simons, Marengo, IL	HO	38	21,013	908	4.3	684	3.3	4.4	23,862	72,000
*	Ed Walter Farm Inc, Oshkosh, WI	HO	329	31,608	1,347	4.3	1,012	3.2	6.5	35,521	74,000
	Dale Brinks, McBain, MI	HO	205	31,147	1,284	4.1	1,010	3.2	6.3	34,539	74,000
	Ron & Nicole Wussow, Cecil, WI	HO	44	30,660	1,275	4.2	998	3.3	6.2	34,172	74,000
*	Norm & Derrick Hammond, Dowling, MI	HO	521	30,933	1,182	3.8	957	3.1	5.9	32,743	74,000
*	Gilde Farms LLC, Lake City, MI	HO	247	27,720	1,267	4.6	814	2.9	5.7	31,699	75,000
	Volmering Family Dairy, Harbor Beach, MI	HO	192	28,607	1,088	3.8	900	3.1	5.4	30,329	75,000
	Hillebrand Farms, Cornell, WI	HO	53	28,961	1,331	4.6	948	3.3	6.2	33,959	76,000
	John W Nolt, Orchard, IA	HO	62	26,789	1,134	4.2	828	3.1	5.4	29,780	76,000
*	Maly Farms, Bryant, WI	HO	510	33,804	1,282	3.8	1,029	3.0	6.3	35,528	77,000
	Darren Rusch, Pound, WI	HO	396	30,085	1,337	4.4	953	3.2	6.3	34,442	78,000
	Silvershea Holsteins LLC, Omro, WI	HO	177	31,816	1,249	3.9	974	3.1	6.1	34,029	78,000
*	Olson's Best Dairy LLC, Shiocton, WI	HO	301	31,459	1,236	3.9	995	3.2	6.1	33,905	78,000
*	Collins Dairy LLC, Greenleaf, WI	HO	1,559	30,108	1,244	4.1	978	3.2	6.1	33,437	78,000
	White Gold Dairy LLC, Plainfield, IA	HO	65	27,804	1,063	3.8	896	3.2	5.4	29,712	78,000
	Keith & Cindy Binder, Monticello, WI	HO	86	25,841	966	3.7	832	3.2	4.9	27,325	78,000
	Gary & Shell Tweito, Spring Grove, IA	HO	43	20,629	898	4.4	679	3.3	4.3	23,569	78,000
*	George Kasbergen, Mansfield, IL	HO	3,737	34,550	1,324	3.8	1,056	3.1	6.5	36,522	79,000
*	Stutzman Family Farms LLC, Conrath, WI	HO	368	31,258	1,312	4.2	973	3.1	6.3	34,655	79,000
	Hendel Farms, Caledonia, MN	HO	383	28,527	1,290	4.5	953	3.3	6.1	33,324	79,000
	Cynthia Waegli & Chris Utke, Clintonville, WI	HO	252	27,099	1,080	4.0	868	3.2	5.3	29,488	79,000
	Jeff Janke, Alma Center, WI	HO	110	23,916	1,021	4.3	797	3.3	5.0	27,140	79,000
	Nelson Miller, Arthur, IL	HO	48	23,243	888	3.8	683	2.9	4.3	24,325	80,000
	Daryl & Pam Nunes, Deerfield, WI	HO	40	28,514	1,293	4.5	915	3.2	6.0	33,068	82,000
	Bob Van Daalwyk, Hilbert, WI	HO	181	29,738	1,139	3.8	927	3.1	5.7	31,566	82,000
	Dave & Rick Tacoma, Falmouth, MI	HO	405	29,122	1,107	3.8	943	3.2	5.6	31,072	82,000
	James Reid, Jeddo, MI	HO	260	27,996	1,088	3.9	935	3.3	5.5	30,397	82,000
*	Sue-Dan Farms, Inc, Bloomer, WI	HO	47	26,680	1,055	4.0	824	3.1	5.1	28,690	82,000

**LOW
SCC
HERDS**

**≤100,000 SCC
& ≥20,000 ECM**

3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM	SCC
*	Srnka Farms LLC, Algoma, WI	HO	490	35,052	1,450	4.1	1,092	3.1	7.0	38,593	83,000
	Matthew & Susan Smith, Hudson, MI	HO	72	29,163	1,181	4.0	925	3.2	5.8	31,907	83,000
*	Neal Burken, Galesville, WI	HO	475	31,042	1,311	4.2	967	3.1	6.2	34,526	84,000
*	Royal Vista Holsteins LLC, Pickett, WI	HO	398	31,137	1,261	4.0	995	3.2	6.2	34,124	84,000
*	Nathan & Tajia Retzlaff, Shawano, WI	HO	123	34,809	1,375	4.0	1,089	3.1	6.8	37,520	85,000
*	Kevin & Diane Skinner, Junction City, WI	HO	548	30,975	1,285	4.1	987	3.2	6.2	34,320	85,000
*	Jeremy Seiler, Carson City, MI	HO	379	32,588	1,222	3.7	1,018	3.1	6.1	34,269	86,000
*	Ryan Litwiller, Middleton, MI	HO	317	32,240	1,152	3.6	1,015	3.1	5.9	33,226	86,000
	Earl & Jeff Horning, Manchester, MI	HO	437	29,675	1,227	4.1	924	3.1	5.9	32,662	86,000
	Roth Farms, Lowell, MI	HO	57	27,889	1,060	3.8	868	3.1	5.3	29,487	86,000
	Dave Zellner, Luxemburg, WI	HO	108	25,061	1,061	4.2	786	3.1	5.1	27,948	86,000
	Doug Lyons, Castalia, IA	HO	53	22,592	863	3.8	695	3.1	4.3	23,880	86,000
	Larry & Jennifer Meyer, Chilton, WI	BS	32	21,401	828	3.9	713	3.3	4.2	23,175	86,000
*	Yonkman Dairy, McBain, MI	HO	1,885	31,481	1,312	4.2	952	3.0	6.2	34,567	87,000
	Nienhuis Dairy Farm, Zeeland, MI	HO	304	28,219	1,084	3.8	876	3.1	5.4	29,967	87,000
*	Baker Lads Farm, Clayton, MI	HO	530	29,318	992	3.4	882	3.0	5.1	29,181	87,000
	Glen & Julie Lyford, Davis, IL	HO	70	24,316	984	4.0	774	3.2	4.8	26,615	87,000
*	Banner Ridge Farms LLC, Platteville, WI	HO	559	33,365	1,371	4.1	1,067	3.2	6.7	36,827	88,000
	Mervin R Brubaker, Milton, IA	HO	113	26,501	1,069	4.0	832	3.1	5.2	28,874	88,000
	Wesley B Horst, Spencer, WI	HO	55	25,067	1,001	4.0	777	3.1	4.9	27,104	88,000
	Adam & Karen Voigts, Wilton, WI	HO	275	26,914	1,182	4.4	880	3.3	5.6	30,840	89,000
*	Landstad Dairy LLC, Bonduel, WI	XX	102	25,176	1,067	4.2	827	3.3	5.2	28,377	89,000
*	Tony Rosebrugh, West Branch, MI	XX	788	32,871	1,310	4.0	1,014	3.1	6.4	35,470	90,000
	Schuh View Dairy LLC, Kaukauna, WI	HO	1,380	28,832	1,391	4.8	864	3.0	6.2	34,051	90,000
*	Vande Hei Dairy Farms, De Pere, WI	HO	458	29,657	1,145	3.9	937	3.2	5.7	31,694	90,000
	Bill Deruiter, Marion, MI	HO	377	29,996	1,045	3.5	914	3.0	5.4	30,334	90,000
	Mark Schultz, Eden, WI	HO	191	25,930	1,123	4.3	807	3.1	5.3	29,196	90,000
	Darren Rusch, Pound, WI	JE	99	21,224	1,127	5.3	757	3.6	5.2	27,326	90,000
*	Rusk-Rose Holsteins, Ladysmith, WI	HO	533	32,464	1,337	4.1	994	3.1	6.4	35,534	91,000
	Doug Roth, Mt. Pleasant, IA	HO	172	28,902	1,237	4.3	952	3.3	6.0	32,753	91,000
	Oneeda Farms LLC, Syracuse, IN	HO	199	25,174	995	4.0	814	3.2	5.0	27,344	91,000
	Troy Pauli, New Glarus, WI	BS	78	22,142	882	4.0	778	3.5	4.5	24,614	91,000
*	W-R-L Daniels Farm, Whittemore, MI	HO	671	29,734	1,403	4.7	956	3.2	6.5	35,205	92,000
*	Jay & Amy Krahn, Brillion, WI	HO	173	31,071	1,257	4.0	930	3.0	6.0	33,553	92,000
	Lyle & Carla Weaver, Goshen, IN	HO	142	29,539	1,243	4.2	950	3.2	6.0	33,024	92,000
	Tracy Lacrosse & Dale Uecker, Forestville, WI	HO	88	29,772	1,220	4.1	937	3.1	5.9	32,702	92,000
	Troy & Sara Blazek, Oconto Falls, WI	HO	203	29,167	1,194	4.1	962	3.3	5.9	32,359	92,000
	Ron Folkema, Fremont, MI	XX	1,063	28,869	1,173	4.1	880	3.0	5.6	31,363	92,000
	Chad Beck, West Branch, MI	HO	941	28,102	1,109	3.9	872	3.1	5.4	30,222	92,000
	Brent Mueller, Garden Prairie, IL	HO	103	26,652	1,041	3.9	840	3.2	5.2	28,622	92,000
	Nova Holsteins Vineyard Jerseys, New Richmond, WI	HO	183	24,001	995	4.1	788	3.3	4.9	26,762	92,000
	Nelson & Lorene Miller, Argyle, WI	HO	51	22,165	945	4.3	758	3.4	4.7	25,284	92,000
	Todd & Jessica Ertl, Unity, WI	HO	114	23,003	915	4.0	703	3.1	4.4	24,749	92,000
	Brian & Monica Enyart, Postville, IA	HO	130	28,879	1,152	4.0	876	3.0	5.6	31,063	93,000
*	Shiloh Dairy, Greenleaf, WI	HO	3,163	33,993	1,526	4.5	1,113	3.3	7.2	39,392	94,000
*	Whitetail Valley Dairy LLC, Waupaca, WI	HO	291	32,253	1,287	4.0	1,025	3.2	6.3	35,055	94,000
	Jeremy Beebe, Whittemore, MI	HO	168	24,797	1,029	4.1	797	3.2	5.0	27,531	94,000
*	Buning Dairy LLC, Falmouth, MI	HO	710	32,791	1,253	3.8	1,025	3.1	6.2	34,790	95,000
*	Todd Augustian, Kewaunee, WI	HO	1,161	31,222	1,254	4.0	1,021	3.3	6.2	34,260	95,000
*	Bruce & Julie Buddenberg, Decorah, IA	HO	332	29,704	1,218	4.1	941	3.2	5.9	32,685	95,000
	Bo-Te Farms Inc, West Branch, MI	XX	297	22,066	838	3.8	678	3.1	4.2	23,254	95,000
	Tom & Sara Kruse, Dyersville, IA	HO	75	29,345	1,290	4.4	976	3.3	6.2	33,768	96,000
*	Brooks Dairy Farms, Waupaca, WI	HO	677	27,447	1,241	4.5	902	3.3	5.9	31,946	96,000
	Foxland Farms LLC, Greenleaf, WI	HO	119	30,301	1,127	3.7	897	3.0	5.5	31,365	96,000
	Kemridge Farm 2 Inc, Westfield, WI	HO	317	28,537	1,142	4.0	908	3.2	5.6	31,067	96,000
*	Mayer Farm, Chippewa Falls, WI	HO	170	27,429	1,161	4.2	871	3.2	5.6	30,667	96,000
	Randy & Michelle Buehne, Highland, IL	XX	164	26,880	1,113	4.1	894	3.3	5.5	30,042	96,000
	Troy Pauli, New Glarus, WI	HO	46	26,973	1,011	3.7	885	3.3	5.2	28,683	96,000
	Andy Kortman, McBain, MI	HO	254	28,893	1,121	3.9	905	3.1	5.6	30,888	97,000
	Stanley & Janet Cook, Lena, WI	HO	65	22,589	805	3.6	690	3.1	4.1	23,090	97,000
	Smith Dairy Farm, Fremont, MI	HO	109	21,374	839	3.9	661	3.1	4.1	22,911	97,000
	C & J Farms Inc, Bear Creek, WI	HO	315	28,775	1,102	3.8	884	3.1	5.4	30,443	98,000
	Bill & Bob Gruppen, Zeeland, MI	HO	110	24,324	1,173	4.8	868	3.6	5.6	29,785	98,000
	Allan Schanbacher, Atkins, IA	HO	318	26,094	992	3.8	847	3.2	5.0	27,859	99,000
*	Wilson Brothers, Cuba City, WI	HO	657	23,147	945	4.1	706	3.1	4.5	25,208	99,000
	Carissa Scheider, Browntown, WI	XX	68	19,768	758	3.8	607	3.1	3.7	20,924	99,000
	Ron Brinks, McBain, MI	HO	133	28,972	1,142	3.9	943	3.3	5.7	31,477	100,000
	Fisk Farms, Sand Lake, MI	XX	277	26,273	1,009	3.8	806	3.1	5.0	27,824	100,000
	Ramer & Sons Dairy, New Paris, IN	HO	168	24,563	942	3.8	787	3.2	4.7	26,252	100,000
	Rock-N-Hill II, Juda, WI	HO	70	23,695	929	3.9	735	3.1	4.6	25,402	100,000
	Anthony Baer, Conrath, WI	XX	70	22,426	952	4.2	681	3.0	4.5	24,871	100,000
	Paul Kilgus, Fairbury, IL	JE	229	17,011	795	4.7	618	3.6	3.9	20,586	100,000

**LOW
SCC
HERDS**

**≤100,000 SCC
& ≥20,000 ECM**

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Navigating beef genetics to **ENHANCE** dairy revenue

Dairies can enhance revenue through a beef x dairy breeding strategy. Record-high beef-calf prices and a shortage of native beef cattle creates an opportunity to supply valuable-crossbred animals. Selecting the right beef genetics, like the approach for dairy replacements, is crucial.

Utilizing beef Expected Progeny Differences (EPDs) allows focus on key traits like fertility, calving ease, growth, and carcass quality. Choosing beef sires with high Calving Ease EPDs ensures smoother births, while Weaning Weight and Marbling directly influence sale value.

Beyond that, it's important to assess whether a sexed- and beef-semen strategy is feasible. A recent collaboration between CentralStar Genetic Consultant Tom Brown and a local dairy demonstrated that while implementing a sexed-NxGEN® and beef-semen strategy increased costs, potential revenue could soar substantially if beef x dairy calves consistently sell for \$35 more than Holstein bull calves.

To help dairies produce high-quality, uniform, and desirable cattle, Select Sires developed the ProfitSOURCE® program, and the results speak for themselves, as shown by the impressive data from cattle moving through the supply chains. Talk to your local CentralStar team to help you **get more** from your beef x dairy choices.

Percent choice and prime

Holstein-based ProfitSOURCE	95%
Jersey-based ProfitSOURCE	90%
Unknown dairy-beef crosses	85%
Native beef	83%

LEVERAGING
GENETICS



LEVERAGING
STRATEGY



PROFITSOURCE
PROGRAM



EVERY CALF COUNTS:

Why reducing heifer non-completion is key to herd success

Kelly Sporer, CentralStar Records Analysis Consultant



When we think about “making every calf count,” heifer non-completion rate is a key performance indicator (KPI) that should definitely be on producers’ minds. Heifer non-completion rate is defined by the number of heifer replacements that never make it to the lactating herd divided by the total number of heifers born alive.

Heifer non-completion rate among more than 50 CentralStar herds in Michigan and Indiana averages 11%, with a range of 4-25%. A good goal to shoot for is: 10%, with anything higher than 15% being a real cause for concern that should be addressed as soon as possible with the reproductive consultant, nutritionist, veterinarian, and farm staff. The team can then consider the following questions:

- At what age are heifers dying or leaving the herd? Is it within the first few days, around weaning, or at breeding age?
- Are some months or seasons worse than others? Do heifers born at night/on the weekend have worse outcomes?

► Why are heifers dying? Keeping detailed records of body temperature, treatments, observations, etc. helps immensely as we evaluate possible solutions.

► If heifers are transported to a different location for raising, how does that transition go? Are you getting adequately-detailed data from your heifer grower?

A growing area of research shows heifers that struggle with scours, respiratory, and other health issues as calves never perform to their full productive or reproductive potential over the course of their entire lives. They are set back permanently.

As far as breeding-age heifers, I like to see at least 90% of heifers getting pregnant within three services. Heifers taking more services than that are usually reproductively inferior and will become reproductively inferior cows. Reproductive culls in heifers should be minimal.

When we think about the future of the herd and design breeding strategies, we must account for the percent of heifers that don’t complete and create additional replacements to make up for them. We

have much more flexibility to create an optimal number of genetically-superior replacements, and make greater and faster genetic progress, when we don’t have a high non-completion rate.

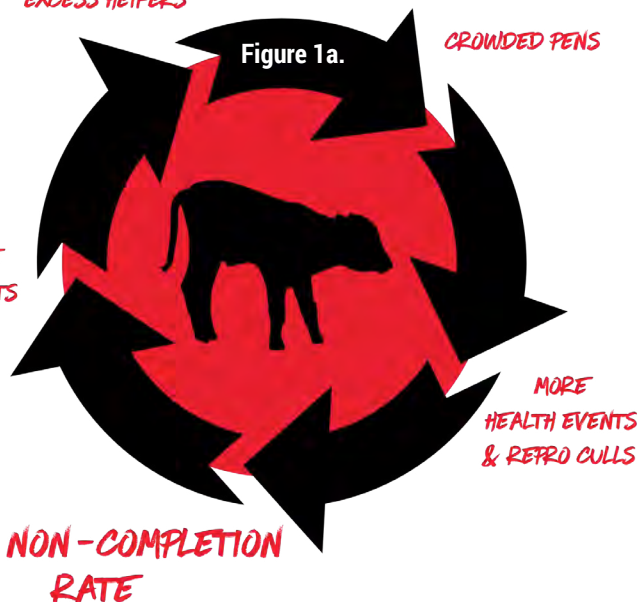
I still regularly observe farms continuing to make an excess of heifers housed in crowded facilities. This creates a vicious cycle as shown in Figure 1a. CentralStar has tools and resources available to make the optimal number of the best replacements possible and be in the much-more-favorable cycle shown in Figure 1b.

Profitable herds are making every calf count by having excellent colostrum management and passive transfer at birth, a solid vaccination protocol, a successful weaning transition, proper nutrition at all stages of growth and development, and a strong reproduction program. These management practices will keep heifer non-completion rates in check and lead to success. Talk with the CentralStar team to help manage your non-completion rate and **get more** from your program!

EXCESS HEIFERS

Figure 1a.

CROWDED PENS

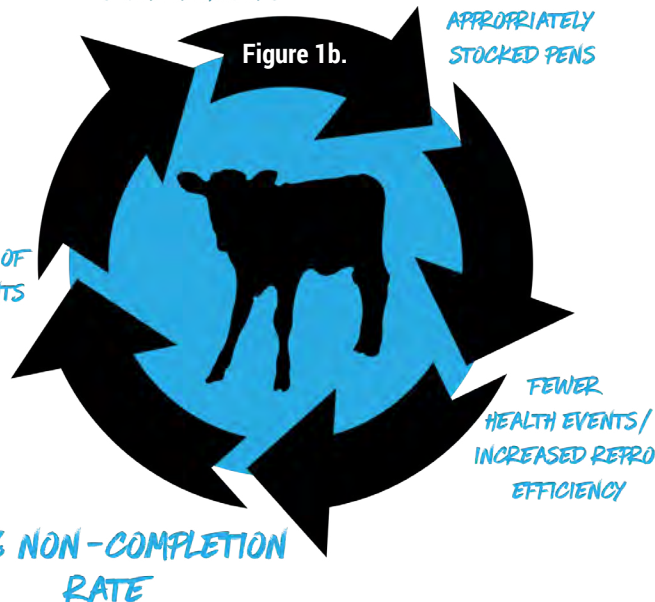


OPTIMAL NUMBER OF
SUPERIOR HEIFERS

Figure 1b.

APPROPRIATELY
STOCKED PENS

OPTIMAL
GENERATION OF
REPLACEMENTS



3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
25 - 74 Cows										
1	Nathan & Kristy Mulder, Ridott, IL	HO	60	33,161	1,199	3.6	1,049	3.2	6.2	34,396
2 *	Country Dairy, New Era, MI	HO	65	33,954	1,173	3.5	1,049	3.1	6.1	34,318
3	Ron & Nicole Wussow, Cecil, WI	HO	44	30,660	1,275	4.2	998	3.3	6.2	34,172
4	Hillebrand Farms, Cornell, WI	HO	53	28,961	1,331	4.6	948	3.3	6.2	33,959
5	Dustin & Jason Martin, Conrath, WI	HO	55	26,314	1,456	5.5	823	3.1	6.2	33,756
6	David Martin, Fenwick, MI	HO	70	26,415	1,448	5.5	826	3.1	6.2	33,708
7	Leon Henneman, Ellsworth, WI	HO	48	29,942	1,210	4.0	1,002	3.3	6.1	33,126
8	Daryl & Pam Nunes, Deerfield, WI	HO	40	28,514	1,293	4.5	915	3.2	6.0	33,068
9	Duane, Jeanne & Dave Meier, Monticello, WI	HO	72	28,422	1,236	4.3	960	3.4	6.0	32,644
10	Gary & Heather Krogmann, Winthrop, IA	XX	72	29,063	1,201	4.1	948	3.3	5.9	32,309
11	Kandy-Bahr Holsteins, Waukon, IA	HO	67	30,267	1,152	3.8	976	3.2	5.8	32,282
12 *	Nathan & Tajia Retzlaff, Shawano, WI	XX	50	29,732	1,194	4.0	921	3.1	5.8	32,230
13	Tom Engelken, Earlville, IA	XX	27	27,476	1,223	4.5	948	3.5	5.9	32,075
14	Matthew & Susan Smith, Hudson, MI	HO	72	29,163	1,181	4.0	925	3.2	5.8	31,907
15	Brent & Carrie Pollard, Rockford, IL	HO	69	27,746	1,230	4.4	889	3.2	5.8	31,802
16 *	Nathan & Tajia Retzlaff, Shawano, WI	XX	26	30,592	1,157	3.8	885	2.9	5.6	31,757
17	Rolling Valley Jerseys, Waterville, IA	XX	30	27,698	1,197	4.3	939	3.4	5.9	31,742
18 *	Loehr Dairy LLC, Mount Calvary, WI	XX	47	26,471	1,213	4.6	904	3.4	5.8	31,280
19	Eric Schoenfuss, Edgar, WI	HO	38	28,628	1,120	3.9	936	3.3	5.6	31,026
20	Twinkle-Hill Brown Swiss, Watertown, WI	BS	48	26,184	1,156	4.4	921	3.5	5.7	30,578
21	Steve Landis, Goshen, IN	HO	34	26,629	1,175	4.4	810	3.0	5.4	30,120
22	John W Nolt, Orchard, IA	HO	62	26,789	1,134	4.2	828	3.1	5.4	29,780
23	White Gold Dairy LLC, Plainfield, IA	HO	65	27,804	1,063	3.8	896	3.2	5.4	29,712
24	David & Julie Marcks, Black Creek, WI	HO	45	27,829	1,079	3.9	862	3.1	5.3	29,667
25	Dave Klamer, Conklin, MI	HO	60	26,692	1,102	4.1	861	3.2	5.4	29,586
26	Vil-Edge Farms, Fond du Lac, WI	HO	71	27,264	1,087	4.0	855	3.1	5.3	29,533
27	Roth Farms, Lowell, MI	HO	57	27,889	1,060	3.8	868	3.1	5.3	29,487
28	Jeff Wegner, Marion, WI	HO	68	25,944	1,096	4.2	879	3.4	5.4	29,401
29	Rolling Valley Jerseys, Waterville, IA	XX	25	24,025	1,148	4.8	864	3.6	5.5	29,332
30	McAllister Family Dairy LLC, New Vienna, IA	JE	41	22,301	1,193	5.3	847	3.8	5.6	29,221
75 - 149 Cows										
1 *	Nathan & Tajia Retzlaff, Shawano, WI	HO	123	34,809	1,375	4.0	1,089	3.1	6.8	37,520
2 *	Ambrosius Dairy Farm, Seymour, WI	HO	128	33,399	1,343	4.0	1,081	3.2	6.6	36,583
3 *	Todd Mark, Elmwood, WI	HO	139	31,563	1,302	4.1	1,065	3.4	6.5	35,329
4 *	Wilnore Holsteins, Milton, WI	HO	83	32,190	1,267	3.9	1,022	3.2	6.3	34,752
5	New-Day Dairy Robert Strack, Athens, WI	HO	102	30,800	1,242	4.0	998	3.2	6.1	33,790
6	Tom & Sara Kruse, Dyersville, IA	HO	75	29,345	1,290	4.4	976	3.3	6.2	33,768
7	Production Unlimited LLC, Twin Lakes, WI	HO	123	28,685	1,263	4.4	970	3.4	6.1	33,156
8	Lyle & Carla Weaver, Goshen, IN	HO	142	29,539	1,243	4.2	950	3.2	6.0	33,024
9	Jonas Zimmerman, Wakarusa, IN	HO	127	26,958	1,335	5.0	875	3.2	6.1	32,797
10	Andrew Houlberg, Monticello, WI	HO	128	28,853	1,238	4.3	958	3.3	6.0	32,796
11	Charles & Kappy Koch, Tremont, IL	XX	143	25,891	1,317	5.1	942	3.6	6.2	32,728
12	Tracy Lacrosse & Dale Uecker, Forestville, WI	HO	88	29,772	1,220	4.1	937	3.1	5.9	32,702
13	Charles Maurer, Chilton, WI	HO	119	30,348	1,194	3.9	951	3.1	5.9	32,661
14	Kevin Martin, Warren, IL	HO	113	29,351	1,225	4.2	936	3.2	5.9	32,622
15	Jeff & Kate Hendrickson, Belleville, WI	HO	116	29,639	1,197	4.0	956	3.2	5.9	32,507
16	Reuben Nolt, Alta Vista, IA	HO	79	27,974	1,253	4.5	927	3.3	6.0	32,465
17	Larry & Jennifer Meyer, Chilton, WI	HO	111	30,935	1,149	3.7	975	3.2	5.8	32,454
18	Adam Delfosse, Brussels, WI	HO	78	30,426	1,161	3.8	964	3.2	5.8	32,359
19 *	Jeff & Melinda Walz, West Union, IA	HO	121	29,648	1,216	4.1	900	3.0	5.8	32,327
20	Terry Deutmeyer, Dyersville, IA	HO	109	28,636	1,235	4.3	908	3.2	5.9	32,303
21	Rick Demmer, Peosta, IA	HO	86	28,481	1,219	4.3	941	3.3	5.9	32,298
22 *	Carson Acres LLC, Hesperia, MI	HO	139	29,875	1,150	3.8	952	3.2	5.8	31,944
23	Bill & Bob Gruppen, Zeeland, MI	HO	86	30,893	1,115	3.6	951	3.1	5.7	31,816
24 *	Keith Wood, Kingston, MI	HO	137	28,410	1,178	4.1	945	3.3	5.8	31,774
25 *	Lance & Jonna Schutte, Monona, IA	HO	123	28,799	1,158	4.0	940	3.3	5.7	31,604
26	Eric Frahm, Frankenmuth, MI	HO	133	29,452	1,135	3.9	938	3.2	5.7	31,505
27	Ros-Lor Dairy LLC, Newton, WI	HO	110	30,236	1,143	3.8	890	2.9	5.6	31,498
28	Ron Brinks, McBain, MI	HO	133	28,972	1,142	3.9	943	3.3	5.7	31,477
29	Marvin Martin, Carson City, MI	HO	76	29,340	1,136	3.9	929	3.2	5.7	31,412
30	Greg & Rosie Piggott, Waukon, IA	HO	99	28,241	1,158	4.1	936	3.3	5.7	31,391
150 - 299 Cows										
1 *	Tom Kunkel, Cuba City, WI	HO	258	33,550	1,471	4.4	1,026	3.1	6.8	37,869
2 *	Mark Vanderhyde - Spartan Farm, Sparta, MI	HO	269	29,755	1,528	5.1	920	3.1	6.7	36,555
3	Dan & Tim Liner, Van Dyne, WI	HO	245	33,007	1,307	4.0	1,137	3.4	6.7	36,417
4	McAllister Family Dairy LLC, New Vienna, IA	HO	276	33,221	1,340	4.0	1,065	3.2	6.6	36,364
5	Tom Engelken, Earlville, IA	HO	231	31,904	1,346	4.2	1,050	3.3	6.6	35,896

**TOP
HERDS
BY SIZE
AND
ECM**

TOP HERDS BY SIZE AND ECM

3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
6	* Brad & Laura Friesen, Barron, WI	HO	222	31,683	1,353	4.3	1,015	3.2	6.5	35,646
7	Lehman Dairy, Sherrill, IA	HO	250	30,536	1,358	4.4	1,015	3.3	6.5	35,336
8	* Furseth Farms Inc, Stoughton, WI	HO	201	31,887	1,305	4.1	1,030	3.2	6.4	35,206
9	River Crest Dairy LLC, Greenwood, WI	HO	258	30,467	1,338	4.4	1,022	3.4	6.5	35,108
10	* Whitetail Valley Dairy LLC, Waupaca, WI	HO	291	32,253	1,287	4.0	1,025	3.2	6.3	35,055
11	* Neil Christianson, Shiocton, WI	HO	195	30,824	1,322	4.3	1,012	3.3	6.4	34,941
12	Dale Brinks, McBain, MI	HO	205	31,147	1,284	4.1	1,010	3.2	6.3	34,539
13	Marty Bahl, Dubuque, IA	HO	214	30,143	1,315	4.4	999	3.3	6.3	34,528
14	Jason & Sara Menne, Postville, IA	HO	159	30,071	1,318	4.4	985	3.3	6.3	34,437
15	Charles & Christopher Weber, Elmwood, WI	HO	189	28,424	1,336	4.7	987	3.5	6.4	34,146
16	Derek Brimeyer, Sherrill, IA	HO	166	32,023	1,230	3.8	1,004	3.1	6.1	34,081
17	Silvershea Holsteins LLC, Omro, WI	HO	177	31,816	1,249	3.9	974	3.1	6.1	34,029
18	* Doug Fairbanks, Anamosa, IA	HO	267	30,420	1,271	4.2	966	3.2	6.1	33,797
19	Jerangle Dairy, Wakarusa, IN	HO	234	29,822	1,259	4.2	1,006	3.4	6.2	33,752
20	Bergan Dairy LLC, Elkader, IA	HO	248	32,639	1,177	3.6	1,015	3.1	6.0	33,680
21	* Voight Acres, Shiocton, WI	HO	270	30,581	1,244	4.1	978	3.2	6.1	33,591
22	Golden Corners Dairy, Oconto Falls, WI	HO	288	29,765	1,259	4.2	986	3.3	6.2	33,580
23	* Jay & Amy Krahn, Brillion, WI	HO	173	31,071	1,257	4.0	930	3.0	6.0	33,553
24	Brumm Dairy, LLP, Stacyville, IA	HO	270	29,129	1,282	4.4	966	3.3	6.2	33,517
25	David Dezeuw, Falmouth, MI	HO	173	30,802	1,247	4.0	947	3.1	6.0	33,465
26	Charles & Kappy Koch, Tremont, IL	HO	168	27,831	1,295	4.7	969	3.5	6.2	33,284
27	* Prairie View Dairy LLC, Fairbury, IL	HO	222	30,952	1,211	3.9	970	3.1	6.0	33,224
28	Blair Farms, Winslow, IL	HO	211	29,699	1,241	4.2	954	3.2	6.0	33,081
29	Greg & Jenny Conway, Lansing, IA	HO	187	28,568	1,268	4.4	914	3.2	6.0	32,754
30	Doug Roth, Mt. Pleasant, IA	HO	172	28,902	1,237	4.3	952	3.3	6.0	32,753
300 - 499 Cows										
1	* Kellercrest Reg Hol Inc, Mount Horeb, WI	HO	340	35,331	1,610	4.6	1,179	3.3	7.6	41,422
2	* Koester Dairy Inc, Dakota, IL	HO	410	35,700	1,590	4.5	1,136	3.2	7.5	40,955
3	* M & C Dairy, Lime Springs, IA	HO	396	35,082	1,484	4.2	1,122	3.2	7.1	39,273
4	* Srnka Farms LLC, Algoma, WI	HO	490	35,052	1,450	4.1	1,092	3.1	7.0	38,593
5	* Zoromski Family Farms LLC, Custer, WI	HO	475	32,765	1,434	4.4	1,106	3.4	7.0	37,745

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3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
6	* Hulstein Brothers Dairy, Hull, IA	HO	312	31,775	1,400	4.4	1,105	3.5	6.9	36,974
7	* Weishaar Family Farm, Westfield, WI	HO	351	33,422	1,372	4.1	1,032	3.1	6.6	36,591
8	* Crandall Farms LLC, Battle Creek, MI	HO	355	32,160	1,372	4.3	1,047	3.3	6.6	36,293
9	* Newell Farms, Trufant, MI	HO	473	33,328	1,322	4.0	1,075	3.2	6.6	36,242
10	* Harmen Waterlander, Pine River, WI	HO	488	32,267	1,366	4.2	1,018	3.2	6.5	36,029
11	* Curt Kohls, Gillett, WI	HO	477	31,716	1,364	4.3	1,035	3.3	6.6	35,953
12	* Verhoef Dairy, Colby, WI	HO	487	31,788	1,365	4.3	1,015	3.2	6.5	35,836
13	Devon & Doreen Zimmerman, Claypool, IN	HO	332	31,869	1,319	4.1	1,051	3.3	6.5	35,542
14	* Ed Walter Farm Inc, Oshkosh, WI	HO	329	31,608	1,347	4.3	1,012	3.2	6.5	35,521
15	Moonlight Dairy Farm, Alcester, SD	HO	441	28,349	1,451	5.1	957	3.4	6.6	35,382
16	* Granitehill Dairy, Mosinee, WI	HO	400	30,968	1,349	4.4	1,011	3.3	6.5	35,330
17	Jeff Lambrecht, Kewaunee, WI	HO	334	28,524	1,474	5.2	898	3.1	6.5	35,285
18	Stuart Farms, Lowell, MI	HO	433	30,693	1,325	4.3	1,007	3.3	6.4	34,899
19	* Stutzman Family Farms LLC, Conrath, WI	HO	368	31,258	1,312	4.2	973	3.1	6.3	34,655
20	* Neal Burken, Galesville, WI	HO	475	31,042	1,311	4.2	967	3.1	6.2	34,526
21	Darren Rusch, Pound, WI	HO	396	30,085	1,337	4.4	953	3.2	6.3	34,442
22	* Jeremy Seiler, Carson City, MI	HO	379	32,588	1,222	3.7	1,018	3.1	6.1	34,269
23	* Hopeless Dairy Inc, Sheldon, WI	HO	447	28,242	1,389	4.9	920	3.3	6.3	34,261
24	* Nichols Hill Dairy, Krakow, WI	HO	334	30,376	1,296	4.3	983	3.2	6.2	34,236
25	* Royal Vista Holsteins LLC, Pickett, WI	HO	398	31,137	1,261	4.0	995	3.2	6.2	34,124
26	* Wesselcrest, Greeley, IA	HO	305	29,083	1,308	4.5	1,000	3.4	6.3	34,099
27	Ronald & Nancy Felten, St. Cloud, WI	HO	486	30,117	1,279	4.2	996	3.3	6.2	34,031
28	* Craig Hedrich, Brillion, WI	HO	440	30,926	1,263	4.1	986	3.2	6.2	34,012
29	* Olson's Best Dairy LLC, Shiocton, WI	HO	301	31,459	1,236	3.9	995	3.2	6.1	33,905
30	Bill & Lisa Holland, Apple River, IL	HO	356	31,489	1,232	3.9	996	3.2	6.1	33,871

500 - 1,000 Cows

1	* Lew-Max LLC, Belding, MI	HO	690	34,119	1,568	4.6	1,074	3.1	7.2	39,679
2	* Top-Deck Farms, Westgate, IA	HO	722	33,293	1,587	4.8	1,047	3.1	7.2	39,448
3	* Sand Creek Dairy LLC, Hastings, MI	HO	962	35,658	1,434	4.0	1,153	3.2	7.1	39,051
4	* Blaser Farms Inc, Gillett, WI	HO	602	33,852	1,430	4.2	1,092	3.2	6.9	37,942
5	* Loehr Dairy LLC, Mount Calvary, WI	HO	593	31,570	1,457	4.6	1,036	3.3	6.8	37,117
6	* First Farms, Ionia, MI	HO	568	33,658	1,388	4.1	1,043	3.1	6.7	36,960
7	* Gibbs Dairy, Waterville, IA	HO	611	31,688	1,439	4.5	1,028	3.2	6.8	36,861
8	* Banner Ridge Farms LLC, Platteville, WI	HO	559	33,365	1,371	4.1	1,067	3.2	6.7	36,827
9	* Harry & Gary Sanborn, Hubbardston, MI	HO	700	33,363	1,353	4.1	1,038	3.1	6.6	36,372
10	* Heimans Holsteins LLC, Marshfield, WI	HO	576	31,648	1,392	4.4	1,027	3.2	6.6	36,232
11	* Sugar Creek Dairy, Elkhorn, WI	HO	649	32,829	1,337	4.1	1,056	3.2	6.6	36,128
12	* Grass Ridge Farm LLC, Pittsview, WI	HO	598	31,037	1,355	4.4	1,057	3.4	6.6	35,782
13	* Douglas Scheider, Freeport, IL	HO	797	32,567	1,330	4.1	1,029	3.2	6.5	35,745
14	* Joseph & Susan Rieden, Mount Calvary, WI	XX	633	31,838	1,333	4.2	1,036	3.3	6.5	35,599
15	* Rusk-Rose Holsteins, Ladysmith, WI	HO	533	32,464	1,337	4.1	994	3.1	6.4	35,534
16	* Maly Farms, Bryant, WI	HO	510	33,804	1,282	3.8	1,029	3.0	6.3	35,528
17	* Tony Rosebrugh, West Branch, MI	XX	788	32,871	1,310	4.0	1,014	3.1	6.4	35,470
18	* W-R-L Daniels Farm, Whittemore, MI	HO	671	29,734	1,403	4.7	956	3.2	6.5	35,205
19	* Mike Zagata, Sebawaing, MI	HO	709	31,395	1,352	4.3	969	3.1	6.4	35,187
20	* Car Mer Farm, Galena, IL	HO	576	31,634	1,287	4.1	1,027	3.2	6.3	34,868
21	* Buning Dairy LLC, Falmouth, MI	HO	710	32,791	1,253	3.8	1,025	3.1	6.2	34,790
22	* Pickart Dairy LLC, Malone, WI	HO	774	31,938	1,269	4.0	996	3.1	6.2	34,497
23	* Oesch Swisslane, Alto, MI	HO	516	31,491	1,264	4.0	1,019	3.2	6.3	34,462
24	* Egan Bros & Trevor Crain, New London, WI	HO	951	31,385	1,274	4.1	1,001	3.2	6.2	34,419
25	* Brightside Dairy LLC, Greenleaf, WI	HO	848	32,812	1,197	3.6	1,063	3.2	6.2	34,363
26	Tim Greer, West Branch, MI	HO	633	29,946	1,371	4.6	889	3.0	6.2	34,348
27	* Kevin & Diane Skinner, Junction City, WI	HO	548	30,975	1,285	4.1	987	3.2	6.2	34,320
28	* Gene & Connie Duschner, Farley, IA	HO	617	30,678	1,272	4.1	1,021	3.3	6.3	34,315
29	* Pebble Knolls Dairy, Brandon, WI	HO	806	30,409	1,265	4.2	1,027	3.4	6.3	34,182
30	* Stempfle Holsteins, Maynard, IA	HO	911	30,538	1,288	4.2	981	3.2	6.2	34,170

1,000+ Cows

1	* Shiloh Dairy, Greenleaf, WI	HO	3,163	33,993	1,526	4.5	1,113	3.3	7.2	39,392
2	* Horsens Homestead Farms, Cecil, WI	HO	1,437	34,223	1,469	4.3	1,126	3.3	7.1	38,828
3	* Fischer & Clark Dairy, Hatley, WI	XX	1,042	33,095	1,432	4.3	1,085	3.3	6.9	37,667
4	* Nobis Dairy Farms, St Johns, MI	HO	1,004	35,275	1,382	3.9	1,064	3.0	6.7	37,571
5	* Abel Dairy Farms, Fond du Lac, WI	HO	4,355	31,840	1,441	4.5	1,022	3.2	6.7	36,891
6	* Five Star Dairy, Elk Mound, WI	HO	1,041	30,804	1,480	4.8	993	3.2	6.8	36,835
7	* Wayside Dairy, Greenleaf, WI	HO	2,619	31,024	1,471	4.7	998	3.2	6.8	36,829
8	* George Kasbergen, Mansfield, IL	HO	3,737	34,550	1,324	3.8	1,056	3.1	6.5	36,522
9	* Fred & Pat Beer, Milford, IN	HO	1,055	32,678	1,382	4.2	1,028	3.1	6.6	36,447
10	* Minglewood Inc, Deer Park, WI	HO	1,373	30,770	1,404	4.6	1,053	3.4	6.7	36,299
11	* Lucky 7 Dairy, McBain, MI	HO	2,008	34,656	1,295	3.7	1,071	3.1	6.5	36,296



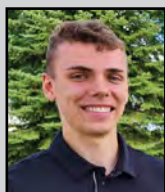
**TOP
HERDS
BY SIZE
AND
ECM**

TOP HERDS BY SIZE AND ECM

	3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
12	*	Rosy-Lane Holsteins LLC, Watertown, WI	HO	1,798	30,731	1,417	4.6	1,020	3.3	6.7	36,202
13	*	Seidls Mtn View Dairy, Luxemburg, WI	HO	1,154	33,306	1,314	3.9	1,042	3.1	6.5	35,879
14	*	Quantum Dairy LLC, Weyauwega, WI	HO	3,801	30,228	1,403	4.6	1,008	3.3	6.6	35,765
15	*	Dean Meyer, New Albin, IA	HO	2,587	28,723	1,459	5.1	956	3.3	6.6	35,600
16	*	Brickstead Dairy LLC, Greenleaf, WI	HO	1,032	31,090	1,319	4.2	1,024	3.3	6.4	35,081
17	*	JMax, Fremont, MI	HO	1,634	32,469	1,296	4.0	990	3.0	6.3	34,974
18	*	Yonkman Dairy, McBain, MI	HO	1,885	31,481	1,312	4.2	952	3.0	6.2	34,567
19	*	El-Na Farms LLC, Algoma, WI	HO	2,397	31,992	1,261	3.9	998	3.1	6.2	34,426
20	*	Todd Augustian, Kewaunee, WI	HO	1,161	31,222	1,254	4.0	1,021	3.3	6.2	34,260
21	*	United Pride Dairy LLC, Phillips, WI	HO	1,770	29,932	1,289	4.3	996	3.3	6.3	34,100
22	*	Rolling Hills Dairy LLC, Luxemburg, WI	HO	1,781	30,236	1,290	4.3	976	3.2	6.2	34,059
23	*	Schuh View Dairy LLC, Kaukauna, WI	HO	1,380	28,832	1,391	4.8	864	3.0	6.2	34,051
24	*	Cross Farms, Oshkosh, WI	HO	2,000	30,668	1,254	4.1	1,011	3.3	6.2	34,002
25	*	Blanchard Family Dairy, Charlotte, IA	XX	1,763	29,139	1,319	4.5	951	3.3	6.2	33,885
26	*	Pagels Ponderosa, Kewaunee, WI	XX	6,877	27,214	1,364	5.0	947	3.5	6.3	33,807
27	*	Many Blessings Dairy Inc, McBain, MI	HO	1,906	31,582	1,224	3.9	987	3.1	6.1	33,729
28	*	Oesch Swisslane, Alto, MI	HO	1,571	29,436	1,292	4.4	960	3.3	6.2	33,701
29	*	Sugar Creek LLC, New London, WI	HO	1,717	29,830	1,291	4.3	936	3.1	6.1	33,633
30	*	United Vision Dairy LLC, Mishicot, WI	HO	1,176	31,425	1,239	3.9	950	3.0	6.0	33,589

Driving **HERD SUCCESS** through the female side

Brandon Biese, CentralStar Area Sales Manager, northeastern Wisconsin



For nearly six decades, Select Sires has led the industry in providing customer-satisfaction sires for our dairy producers. While our brand and elite genetics may have become synonymous, we're currently entering an era of dominance unlike that I've ever witnessed, much to thanks of our NxGEN® program.

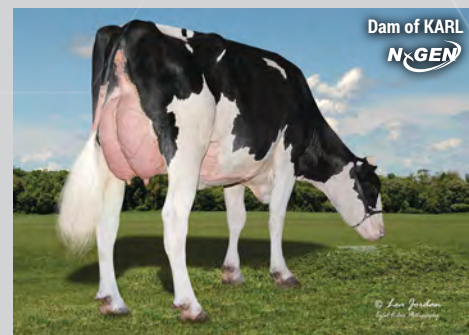
Sires may be our game, but to our customers, their females are the MVPs. As an on-farm consultant, I've developed a habit of printing Holstein USA's "High Ranking GTPI® Young Females" list on a monthly basis, highlighting the heifers sired by our bulls, and hanging it in my truck for customers to see. Lately, the entire list glows in yellow highlighter.

While Select Sires brands have routinely sired over half of the heifer calves on the list, this past November, we set a record siring 157 of the top 200 GTPI heifers in the U.S. Of those 43 calves not directly sired by a bull from our program, every single calf had a Select Sires bull in their immediate pedigree, many of which are granddaughters of a bull from our lineup.

Of those sired by our bulls, a vast majority come directly out of NxGEN sires. In fact, this past August, popular NxGEN sire 7H016276 SHEEPSTER sired nearly half the list, himself!

While historically this level of influence may have been chalked up to chance, that is certainly not the case today. The NxGEN program has allowed our sire department and customers exclusive access to the industry's best sires, who continue to turn out high-testing females for our customers. Moving forward, I expect NxGEN sires such as 7H016276 SHEEPSTER, 7H016485 SUNDANCE, 250H016741 HARDIN, 7H016735 KARL, and numerous others to continue to dominate the heifer charts moving into 2025.

The takeaway? It's not just about using the top bulls, it's about their ability to transmit to their daughters, and the real game-changers are the NxGEN sires. These females are proof of the genetic impact NxGEN delivers, driving tangible improvements. By joining NxGEN, producers can see real, measurable benefits in the females who make up their herds.



CONTROL FLIES

(and more!) in your herd.

Use one of these alone, or for maximum protection, as part of an integrated pest management program!



A.



B.



C.

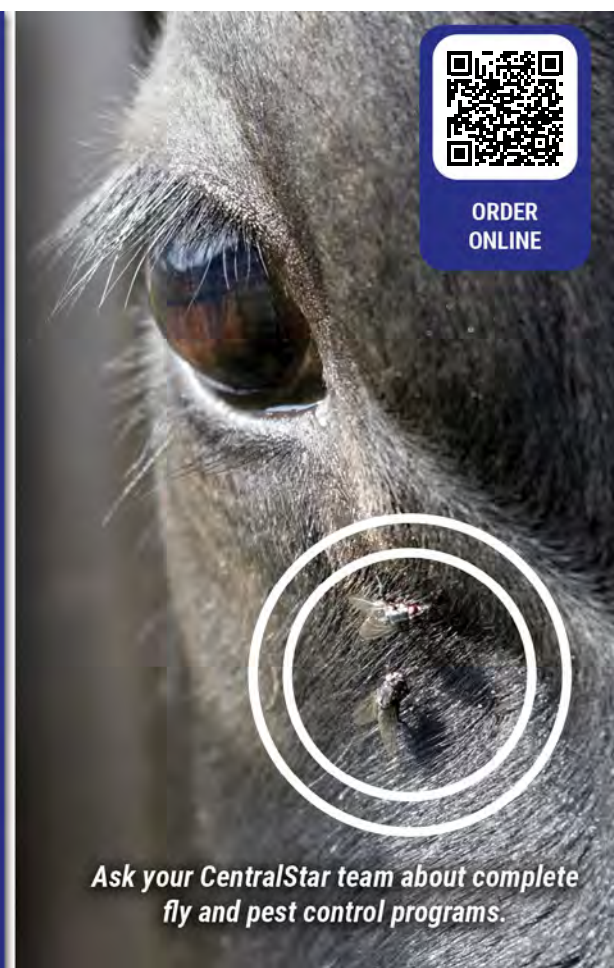



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A. Intersect Gold Pour-On
Controls lice and flies on dairy cattle (lactating and non-lactating), beef cattle and calves; controls keds on sheep and lambs when applied as a pour-on; controls flies on horses when applied as a wipe-on, pour-on or spray. Can be used as a pour-on, mist spray or in back rubbers.

B. ULD® BP-100 Premise
Oil-based solution, can be used in foggers. Broad spectrum treatment, can be used for many pests, as well as indoor and outdoor application as a direct space, area or contact spray.

C. Evergreen® Pyrethrum Concentrate Premise
Water based, broad-spectrum insecticide that can be used in OMRI-certified organic facilities. Contains pyrethrum, a botanical insecticide. Use indoors in food and non-food areas, and in and around livestock facilities. Rapidly degrades in sunlight with no residual activity. Offers fast, effective control of insects including ants and cockroaches.




ORDER ONLINE

Ask your CentralStar team about complete fly and pest control programs.

GET MORE

Lameness a major cause of herd losses—Why **RETHINKING** selection matters

Conventional thinking often feels reliable, but is it always the best approach? Despite efforts to improve traits like Foot Angle and Feet and Leg Composite (FLC), lameness remains a top reason cows leave the herd, suggesting the indirect-selection methods historically used may not be effective enough.

Recent research highlights traditional conformation traits don't always translate to better lameness resistance. Fortunately, tools like Zoetis' Z-Lame offer a more targeted approach. Z-Lame uses data from CLARIFIDE-tested dairy farms to directly assess lameness resistance through standardized transmitting abilities (STAs). Cows with higher Z-Lame scores not only show stronger resistance to lameness but also tend to excel in traits like Productive Life (PL) and Livability (LIV).

If your current strategy relies heavily on traditional-conformation traits to combat lameness, it may be time to rethink your approach. To **get more** out of your genetic selection to improve feet and legs, talk with your local CentralStar team.

Z-Lame for improved hoof health		
	Productive Life	Cow Livability
F&L Composite	-0.10	-0.04
F&L Score	-0.21	-0.19
Rear Legs SV	-0.12	-0.01
Rear Legs RV	-0.18	-0.13
Foot Angle	-0.15	-0.26
Z-Lame	0.22	0.23

Correlation between F&L traits and longevity. All bulls with ≥ 100 PL daughters and Zoetis Lameness, 1,160 bulls.

**KEEP THEM
IN THE GAME**



**LAMENESS
CHALLENGE**



How much of the **PICTURE** are you missing?

*DHI data fills the gaps, giving you a complete picture of each cow's performance.
Get the insights to make smarter, more profitable decisions with routine DHI testing.*



Genetic potential

DHI testing contributes data for accurate PTA evaluations, guiding genetic selection to improve future herd performance.

Spotting ketosis & transition troubles

Ketosis can reduce milk production by 300-400 pounds per lactation, costing about \$289 per cow. DHI identifies fat/protein inversion trends, enabling earlier interventions.^{2,3}

Early mastitis detection

Each 100,000 increase in SCC more than 200,000 costs 1.5 pounds of milk per cow, daily. DHI tracks SCC to identify risks. A case of clinical mastitis within 30 days can cost \$444.¹

Reproduction performance

Each extra open day costs \$3-\$5 per cow. DHI tracks days to first service and heat detection accuracy, boosting pregnancy rates.⁷

Late-lactation insights

Late lactation is an opportunity to optimize dry-off protocol and screen for diseases like Johne's. Johne's can reduce milk production, extend calving intervals, and increase mortality. Approximately 40% of cows showing clinical signs of Johne's transmit it to their calf in utero, with asymptomatic cows posing a 15% risk. Early detection helps protect the next generation.⁴

Early-lactation monitoring

Reaching peak milk is critical, with each extra pound adding 200-250 pounds per lactation. DHI testing in early lactation helps manage peak milk, confirm dry-cow-treatment success, detect metabolic disorders, and flag costly issues like milk fever or retained placenta, which can cost \$100-\$300 per cow if untreated.²

Reduce labor, improve performance

Pregnancy and disease testing on DHI samples reduces time handling cows and in headlocks, giving cows more rest. Cows that rest more produce more. Every lost hour of rest can reduce milk yield by 3.5 pounds per cow, daily.⁸

Keep rations on point

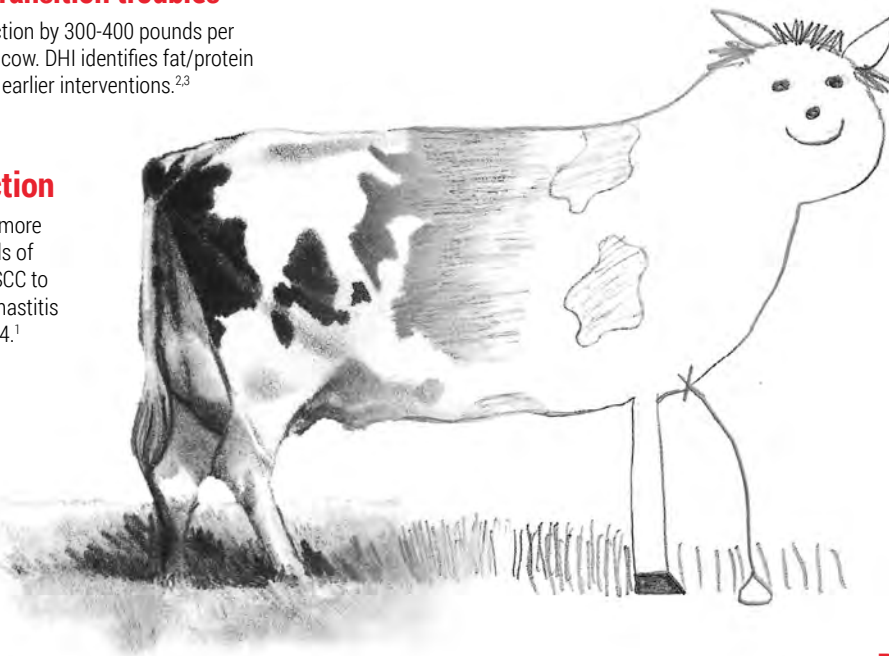
Feed costs make up to 60% of expenses, so a 1% boost in feed efficiency can save thousands each year. DHI data helps calculate income-over-feed cost per cow, supporting ration and culling decisions.⁵

Keep data fresh

Missing data can cause costly errors like delayed breeding or incorrect dry-offs. Monthly DHI testing fills data gaps, preventing \$50-\$100 in annual income loss per cow.⁹

Culling decisions, inventory management

DHI identifies poor performers early, reducing feed and housing costs and boosting herd efficiency by 5-10%.⁶



**GET MORE
FROM DHI**



*See the full
picture with DHI.
Scan the QR code
to get started.*

¹Preventive Veterinary Medicine, Vol. 122, Issue 3, 12/2015, Pages 257-264; ²<https://extension.umn.edu/dairy-milking-cows/transition-dairy-cows#fresh-cow-health-and-events-1741212>; ³<https://www.thebullvine.com/news/fresh-milk-fat-protein-ratio-identify-ketosis/>; ⁴<https://johnes.org/dairy/control/>; ⁵<https://extension.umn.edu/animals-and-livestock-news/what-makes-feed-efficient-cow/>; ⁶<https://www.thebullvine.com/news/why-crowded-cows-are-a-growing-concern-the-impact-on-dairy-farm-production/>; ⁷https://pubs.nmsu.edu/_d/D302/index.html; ⁸Grant 2004; ⁹<https://www.nmconline.org/wp-content/uploads/2023/06/IN-PROGRESS-Fact-Sheet-The-Value-and-Use-of-Dairy-Herd-Improvement-Somatic-Cell-Count-Formatted.pdf>

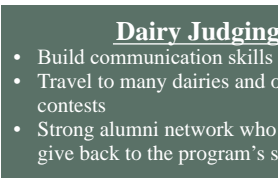
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- Build communication skills and confidence
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All U.S. residents now qualify for in-state tuition for all MSU Institute of Agricultural Technology programs.

MSU Dairy Education offers both 2 and 4 year degree programs that provide in depth, hands on, practical knowledge and experiences in dairy production and management. To learn more about the programs and the opportunities we have to offer, contact us today to set up a visit!

Joe Domecq | Dairy Education Coordinator
domecqjo@msu.edu | 517-353-7855



Michigan State Dairy Education



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A genetic strategy that **BOOSTS** calf health

On-farm results highlight while environment and nutrition are critical for calf rearing, genetics play a key role in health. With U.S. dairies experiencing calf loss rates of 4-30%, it's essential to ensure robust health for calves to reach their genetic potential and successfully transition to the milking herd.

The Calf Wellness Index™ (CW\$™) focuses on calf wellness traits, including livability, respiratory disease, and scours, estimating the impact of these traits on expected lifetime profitability. Although calf-wellness traits have lower heritability than production traits, on-farm evidence demonstrates improvement.

Integrating calf-wellness traits into genetic selection can improve non-completion rates and create more resilient heifers. To learn more about calf-wellness traits and how you can leverage them to **get more** out of your calf-rearing program, contact your local CentralStar team.

**SCAN TO
LEARN MORE**



Average reliability and average, minimum and maximum genetic values for calf-wellness traits*

Calf wellness traits ²³	Average reliability	Average (CW\$)	Minimum (CW\$)	Maximum (CW\$)
Calf livability	42	100	66	116
Calf respiratory	36	100	83	116
Calf scours	39	100	85	117

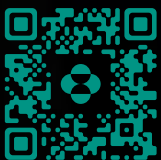
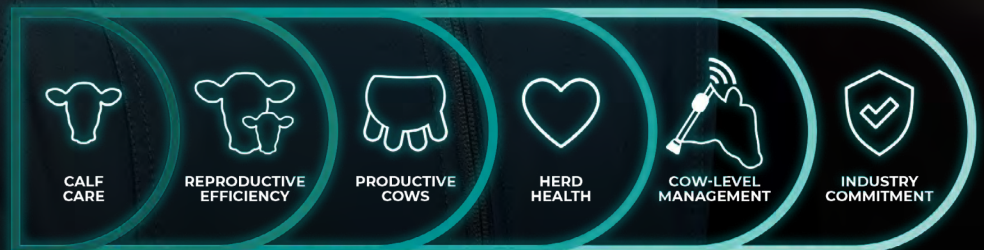
*Numbers reflect data from reference population of animals under two years of age.

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KEY PERFORMANCE INDICATORS



CENTRALSTAR
DHI
HERDS
1,887 HERDS
654,575 COWS

AVERAGE
+5.2
CFP

TOP 10%
+6.5
CFP



TOP 10%
+1,030
PROTEIN

TOP 10%
+32,583
MILK

TOP 10%
+1,345
FAT



AVERAGE
+26,324
MILK

AVERAGE
+840
PROTEIN

AVERAGE
+1,069
FAT

AVERAGE
HERD SIZE
385

TOP 10%
+35,692
ECM

AVERAGE
ECM
+28,878



GET MORE
FROM **DHI**



GET MORE

Calf immunity matters: Tips for **RESILIENCE** year-round

As seasonal challenges arise, strengthening calves' immune systems is critical, with high-quality colostrum providing a strong foundation. Often, the availability of colostrum diminishes during fall and winter due to shorter daylight. To combat this, bank high-quality colostrum or utilize colostrum replacers or supplements. Research indicates calves receiving a second colostrum feeding experience higher growth rates, lower illness risks, and improved milk production during their first lactation.

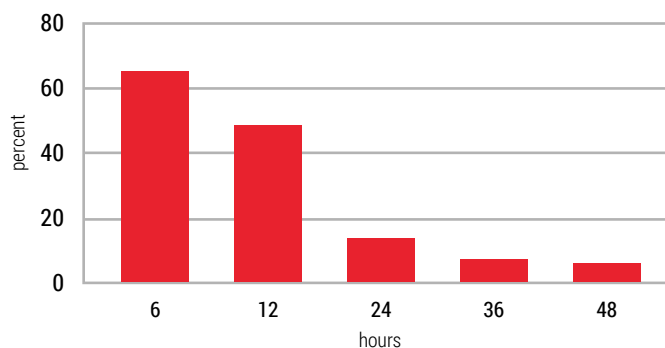
Respiratory illnesses pose greater risks during cooler months, affecting not just heifer calves, but also beef x dairy and beef calves. To minimize challenges: ensure clean, dry bedding; provide a high-nutrition diet; and keep vaccinations up to date. Additionally, incorporating direct-fed microbials can enhance gut health and boost immune function, providing extra protection for your calves.

Genetics set the potential for your dairy heifers, beef calves, and beef x dairy calves, but it's the care and management that drives their actual performance. Connect with your CentralStar team to learn how strengthening immune systems from birth through weaning helps **get more** out of your calf program year-round.

GET THE
DETAILS



Percent absorption of antibodies by hour after birth



Efficiency of absorption declines from birth, particularly after 12 hours. Feeding may induce earlier closure, but there is little colostral absorption after 24 hours of age, even if the calf is starved. This principle for timing of colostrum feeding holds true whether the colostrum is directly from the first milk of the dam or supplied by hand feeding previously-obtained colostrum.²



Defending against mycotoxins and protecting profitability.

DEFEND & PROTECT



INTERESTED IN LEARNING MORE?
Scan the QR code to see the research.

Heat Stress and Mycotoxins: A Profit-robbing Combination

Heat stress and mycotoxin contamination are harmful individually; however, they are more of a challenge when experienced together by dairy cattle. Heat stress occurs when cows cannot dissipate the heat they produce and try to compensate physiologically in ways that result in less milk and poorer reproduction. Why does this happen?

Heat stress results in a cascade of events whereby cows attempt to alleviate internally produced heat via increased respiration; however, there are also consequences including reduced feed intake, lowered nutrient intake, altering of digestive pH, increased digestive pathogen levels and leaky gut syndrome. The immune system attempts to defend an animal during a nutrient restricted time, and nutrients are re-partitioned from productive purposes (growth, milk production and reproduction) to simply keeping the animal alive.

Consuming a mycotoxin-contaminated diet compounds the negative heat stress effects as another inflammation-source to which the cows must respond, and once again diverting nutrients from profitable utilization.

How do we protect our cows from this deadly duo? Cooling systems involving air movement and moisture for evaporative cooling are essential during heat stress periods. It is also critical to feed palatable diets with additions to restrict wild yeast and mold growth from metabolizing nutrients in the TMR as well as creating internal issues. Dairy producers and nutritionists also cite supplementing Select DTX™ as a profitable practice when feeding a mycotoxin-contaminated diet during heat stress periods. Independent research indicated that DTX feeding may protect cows from harmful mycotoxin effects and with the reduced inflammation enable nutrients to be re-partitioned to profitable uses.

Ask about the role of DTX in your strategy to defend and protect against heat stress and mycotoxins.



Larry Roth, Ph.D., PAS
Vice President of Nutrition
Agrarian Solutions



Caroline Knoblock, MSc.
Director of Nutrition
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