CentralStar

2026

BIG BOOK

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

Headliners:

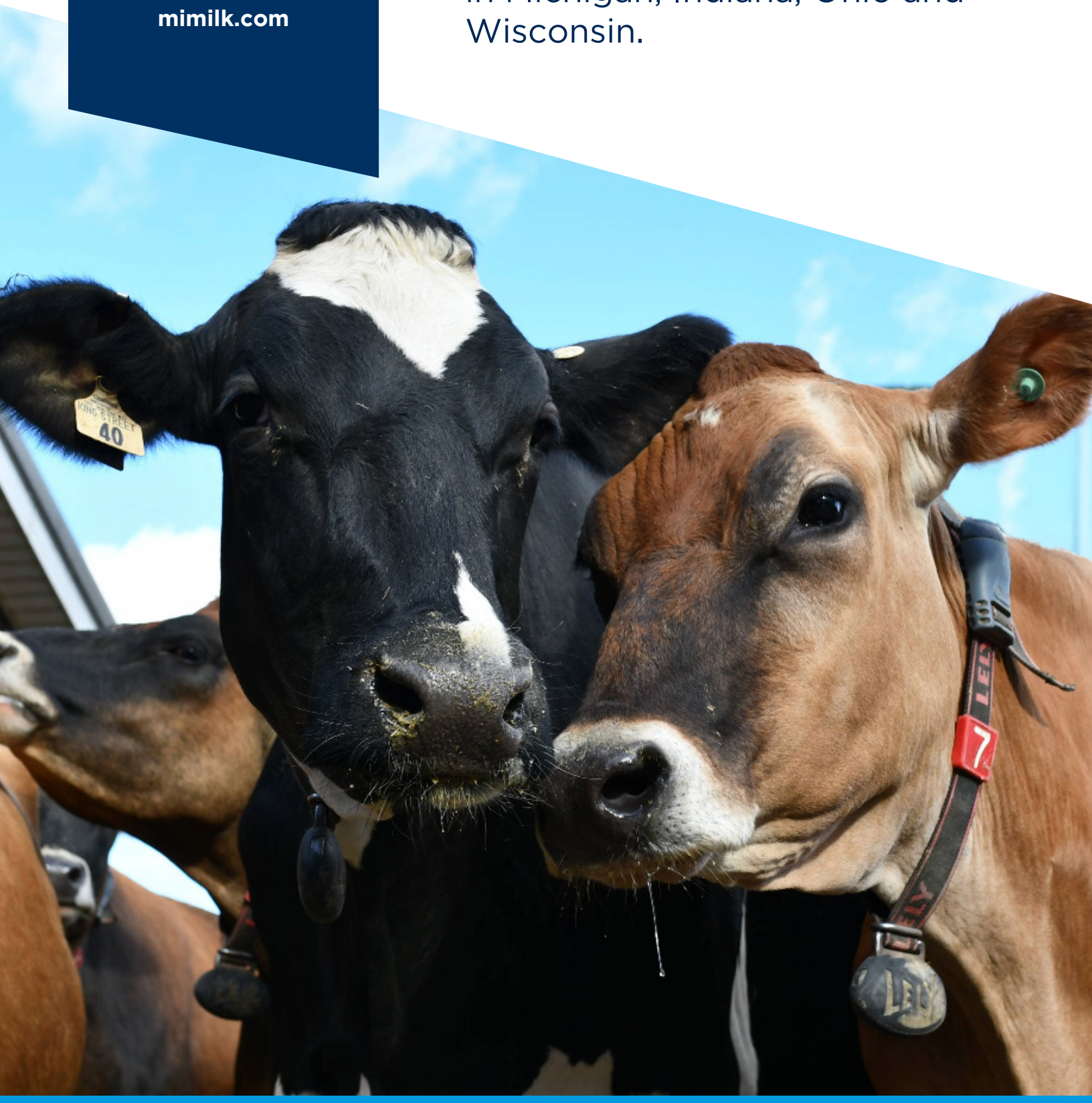
Top DHI Herds
Pioneer Award
ReproStar Awards
Tech, Tools, and Tips
Real Farms, Real Results
Herd-Management Solutions

EST. 1916

MMPA

mimilk.com

MMPA—established in 1916—is a milk marketing cooperative and processor owned by dairy farmers in Michigan, Indiana, Ohio and Wisconsin.



Progress has NO ceiling

We often think of potential, whether for people, businesses, or farms, as having a ceiling, a point where results peak or at least plateau. But, what if that ceiling isn't fixed? What if there really isn't a ceiling at all?

Maybe you've reached what you thought was your herd's ceiling. Perhaps your herd's genetics, reproduction, milk quality, and health metrics all seem locked in. But is that really your ceiling, or just what you thought was possible until now?

We often underestimate what's possible, because we are already running at a high level. A 30% pregnancy rate, 30,000 pounds of milk, 7 pounds combined fat and protein (CFP), or 10% heifer non-completion rate are impressive metrics that once seemed impossible but are being achieved by many herds that work with CentralStar. If you've reached or surpassed these numbers, what's next? If you haven't, what's holding you back?

The pages of this publication are full of proof that progress is always possible, regardless of your starting point. You'll read about herds that thought they'd topped out only to find another level waiting. Our ReproStar Award winners continue to raise the bar, with cow-pregnancy rates over 40% and heifers surpassing 50%. This year's new "Most Improved" award highlights a dairy that doubled in size while improving pregnancy rates by nearly 10 points. The "Not bigger. Just better." feature shows how one dairy used DHI data to boost milk components, adding over $5 per hundredweight, a true milk-check game-changer. Year-end top-DHI reports spotlight herds achieving record Energy-Corrected Milk (ECM) and impressively-low somatic cell counts (SCC). Leveraging the right tools and data, these herds keep reaching new heights.

But progress isn't limited to reproduction or production. CowManager® is helping dairies unlock new potential in herd health, from calves to cows. Ask any producer; CowManager works! Year one is just the beginning; in year two and beyond, top dairies truly get more from the system, boosting health and productivity results.

At CentralStar, our 400+ team members are helping dairies and the cooperative reach beyond the ceiling. This past year, our DHI services expanded across 15 states, while growth in our genetics, animal-health products, diagnostic testing, and CowManager means more tools, data, and support for you. Each milestone reflects progress for the herds we work with, helping you get more from genetics, reproduction, milk, and herd health. Together, we'll keep breaking ceilings, because when the right tools, data, and people come together, there's no limit to what's possible.

On behalf of the CentralStar team,

Kelly Bristle
Director, Member Relations and Promotions

CentralStar Big Book

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January 2026

Who's who

"Get More" features and articles

Resources

On the cover

CowManager's Youngstock Monitor, featuring the new Find My Cow Flash, is very successful at Hanke Farms, Sheboygan, Wis. Read about their experience on page 21.

Fine print

Reports and key performance indicators are based on the period of 10/1/24 - 9/30/25. 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: ≥23,000
- Minimum SCC report: ≤100,000 SCC and ≥23,000 ECM

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2025 PIONEER AWARD

DICK PIECHOWSKI

Who better to receive the CentralStar Pioneer Award than the self-proclaimed "co-op guy"? Richard (Dick) Piechowski was selected by the CentralStar Board of Directors in recognition of his unwavering commitment and selfless service to the cooperative.

Dick and his family operate Holmland Farms in Waupaca, Wis. Once home to registered Holsteins, the Holmland prefix now lives on through a flock of 100 registered Suffolk and Tunis sheep. The family also farms 400 acres, producing corn, soybeans, and a small patch of vegetables for wholesale.

Dick's involvement with the cooperative began in 1975, when Select Sires semen first became available in Wisconsin. At the time, producers belonged to a "local" which was a group of members from the same area. "We had the biggest local in Waupaca County in all of MABC (MABC-Select Sires, now CentralStar Cooperative)," he recalls. "There was strong demand for Select Sires semen, and people wanted access to it. Charlie Will was the first sales rep in the area, and Richard Miller, a technician, lived in our county. Both played a big role in the co-op's early success here."

From that first connection, Dick's passion for genetics and for the cooperative grew. "My parents valued leadership and service, so it felt natural for me to get involved in something I believed in," he says.

Over the years, Dick served the cooperative in many capacities. Early on as a delegate to the annual meeting, later he served on the Nominations and Resolutions Committee, and in 1999 was elected to the Board of Directors, where he served for 20 years. During his tenure, he was elected Second Vice President, chaired various committees, and in 2005 was elected President for Antelbio®, the cooperative's diagnostic subsidiary. He also represented members on the Select Sires Board.

His time on the board spanned years of major change including mergers, acquisitions, and the launch of new ventures such as Antelbio and DHI. When asked about pivotal strategic decisions, if he had to choose one, he says, "Antelbio was a big decision."

In 1998, the cooperative invested in a research and development firm, with the intent to create affordable diagnostic tests for producers. Although not on the original board, Dick joined Antelbio's leadership in 2005. "I was really passionate about Antelbio," he recalls. "It was something unique that farmers could benefit from. I believed it was critical that those tests be developed and sold, and why not by us, as a cooperative?"

In 2000, Antelbio released its first diagnostic tool, the Johne's ELISA test. Today, the diagnostic offerings have grown to include testing for pregnancy, mastitis, BLV, BVD, A1/A2, and more, serving producers nationwide.

Dick has always believed in the strength and purpose of cooperatives. "I firmly believe in the co-op, but you can't operate as a small co-op forever. Mergers are important to keep the business viable and move it forward for the members," he shares. "When you are part of a co-op, you share in the profits and help keep 'for-profit' businesses in check. Without co-ops, farmers would lose services. That was always my motivation for being involved, to keep the co-op strong."

When asked what advice he'd offer to current and future cooperative leaders, he didn't hesitate. "Bottom line, you must take care of your members and their needs. The Advisory Committee and listening sessions are good ways to look ahead. CentralStar has a strong history of that."

Dick's contributions run deep and will be felt for years to come. Yet, true to his cooperative spirit, he credits the group. "Seldom does one person do a lot on a board," he says. "It's always together with the group. We've been blessed with some good individuals who made us a strong board. Hopefully, I've been on the right side of helping progress move forward."

Indeed, his unwavering belief in the cooperative ensures that Dick has not only been on the right side of change but has helped position it for generations to come.

GET MORE FROM YOUR GENETICS AND REPRODUCTION

CentralStar

GET STARTED TODAY!

GENETIC IMPROVEMENT

- Access top dairy, beef, and crossbreeding genetics to build your ideal herd.
- Enroll in NxGEN® for early access to elite Holstein sires.

REPRODUCTION MANAGEMENT

- Use A.I. Specialists to manage heat detection, breeding, and synchronization programs.
- Add CowManager® for 24/7 health and fertility insights in calves and cows.

INVENTORY MANAGEMENT AND HERD MONITORING

- Maximize genetics and inventory with tailored mating plans and genomic testing.
- Use sexed and conventional dairy semen, and custom-selected beef semen and embryos to manage inventory and create more profitable replacements.
- Leverage CentralStar Consultants to track trends, troubleshoot, and gain insights to get more from your herd.

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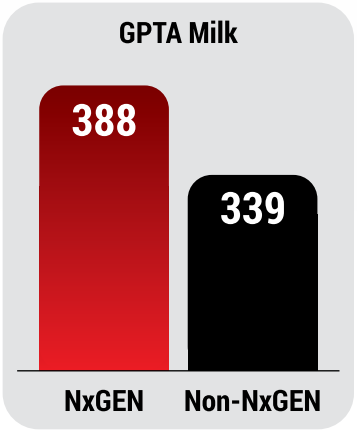
GET MORE FROM NxGEN®

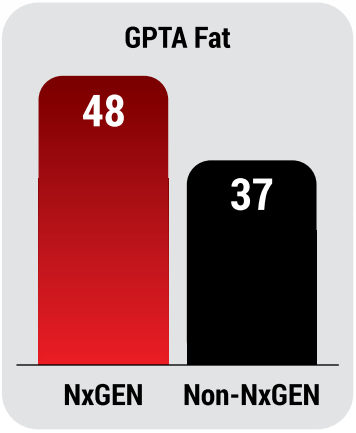
REAL HERD. REAL DATA.

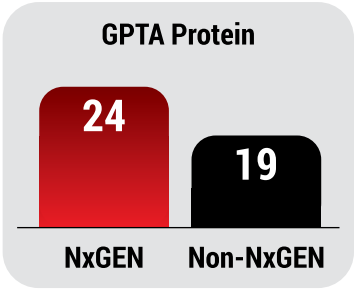
- For more than six years, progressive herds have turned to NxGEN® to accelerate genetic progress and shorten generation intervals. Now, real-herd data is proving the impact. In a 3,680-cow operation, daughters from 70 NxGEN sires are outperforming their herdmates in both genetic merit and on-farm performance, delivering measurable gains to the bottom line.
- NxGEN-sired progeny outperformed other herdmates by **+744 lbs.** ME milk, **+83 lbs.** ME fat, and **+35 lbs.** ME protein, per cow, per lactation. Additionally, on average, they calved back eight days sooner and ran about 50,000 lower on somatic-cell count (SCC) compared to their non-NxGEN herdmates. That's proof that genetics pay.

NxGEN progeny are earning an estimated
$347 MORE*
per lactation in the study herd.

NxGEN is more than a breeding strategy; it's a profit strategy. Contact your CentralStar team to learn more, or scan the QR code to start putting NxGEN to work in your herd today!

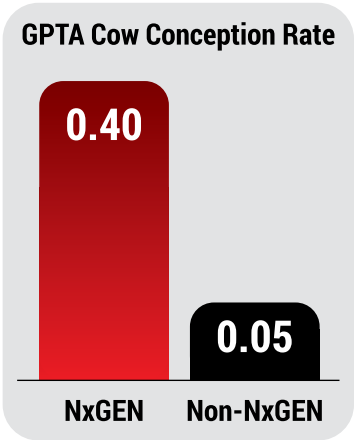


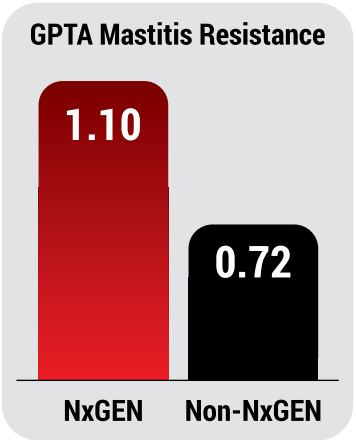




Genotype results from a 3,680-cow herd

- Results from 988 NxGEN-sired cows (70 sires)
- Results from 2,692 cows (679 non-NxGEN sires)

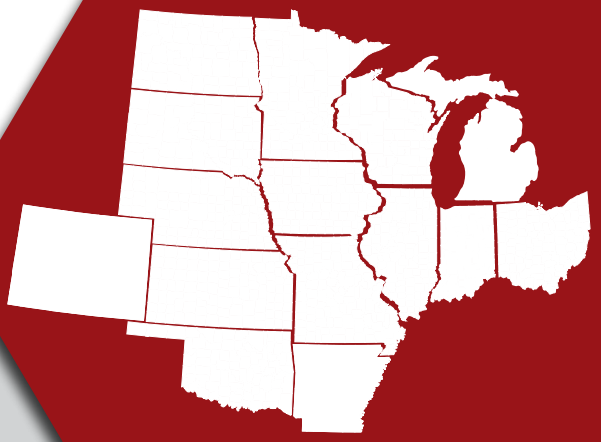




Top image: Third lactation daughters of former NxGEN sires at Destiny Farms LLC, Marshfield, Wis., averaging 112 lbs per day with 4.5% Fat and 3.5% Protein. Not related to study herd. ®NxGEN and the Select Sires logo are registered trademarks of Select Sires Inc., Plain City, OH. *Data used to determine +$347 increase includes ME Fat, ME Protein, reduced days open and reduced Somatic Cell Score. https://www.dcrcouncil.org/wp-content/uploads/2017/04/The-dollar-valute-of-a-pregnancy.pdf

GET MORE FROM YOUR MILK & HERD DATA

CentralStar



GET STARTED TODAY!

DATA-DRIVEN MANAGEMENT DECISIONS

- ↗ Accurate data collection.
- ↗ 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!
- ↗ Customized DHI programs for any size herd and set-up.

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 dairy-management software and mobile-app for herd insights. Integrates with major milking and health-monitoring systems. Affordable per-cow pricing, local support, and free updates.

CONVENIENT & COST-EFFECTIVE DIAGNOSTIC TESTS

- ↗ Use milk samples for herd-health insights, saving time and labor.
- ↗ Test for A1/A2, BVD, BLV, Johne's, mastitis, pregnancy, and more.
- ↗ Run multiple tests on one sample.
- ↗ Conduct on routine DHI samples or send direct to lab.

	Processed	Non-processed
Verification	Third-party verified, eligible for genetic evaluations, records, and awards.	Not eligible for CDCB, breed records, or recognition.
Management insight	Detailed cow-level data (SCC, components, trends) for better decisions.	Limited data; fewer tools to spot issues or trends.
Genetic improvement	Accurate records strengthen sire selection, culling, and replacement decisions. Enables phenotypic PTAs.	Hard to track or prove genetic progress.
Program eligibility	Qualifies for most incentive programs, research, and awards.	Often ineligible for recognition or advanced services.
Support tools	Integrates with herd software and field-team support.	Little or no integration or advisory support.

NOT ALL DHI DATA IS EQUAL.

Choose processed to get the full value of your records!

GET STARTED TODAY!

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.

Breed / Batch	Permanent ID / Sire ID	SCC and Milk Weights by Test Day: Test Date 03-30 Milk / SCC	Test Date 04-27 Milk / SCC	Test Date 05-27 Milk / SCC	Test Date 06-22 Milk / SCC	Test Date 07-20 Milk / SCC	Test Date 08-21 Milk / SCC	Sample Day Data: Milk / SCC	Fat% / Pro%	Income Over Feed $ / Summit Milk	Barn Name / Index	Lactation To Date: Lact No. / Days Dry	Fresh Date / Age Yr/Mo	Days in Milk / Days 3X	Milk / ERPA $	Fat / Fat%	Pro / Pro%	CAR / Rat.	Income Over Feed $ / Perst. %	Projected 305 2X ME: Milk	Fat	Pro	Times Bred / Bred Date / Service Sire ID	Due Date / Action Needed
HO	840003008538901	98	96	88	92	89	84	69.9	3.6			6	6-16	466	44600	1804	1306			31437	1326	933	2	10-23	7*29
2	MORTAIL	3200	115	132	857	93	81	123	3.0	119	701	20	7-04		+731	4.0	2.9	B	100	+341	+85	-30	JUMPSHOT		F
HO	840003003831045	TF	115	156	132	128	148	116.5	3.7			6	3-27	181	23485	853	658			33215	1220	969	3	8-28	6-04
1	SCORPIO	100	13	13	13	13	13	14	3.1	135	775	52	7-03		+323	3.6	2.8	C	98	+626	+12	-28	JAGUAR		P 10-12
HO	840003011934894	DRY	DRY	138	160	144	136	136.0	2.3			6	5-12	135	18956	538	504			34629	984	977	1	8-07	5-14
1	SHOT			41	33	18	20	29	2.6	152	794	43	7-03		-316	2.8	2.7	C	107	+1815	-194	-19	TOPSY		P

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.

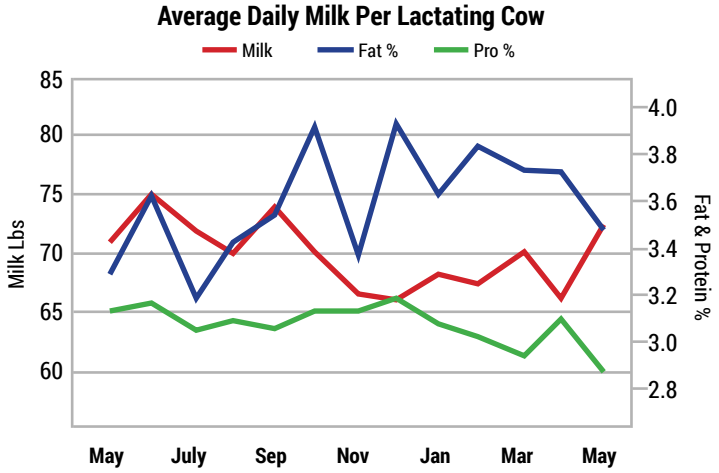
Cows to Treat or Watch - 1st Lactation

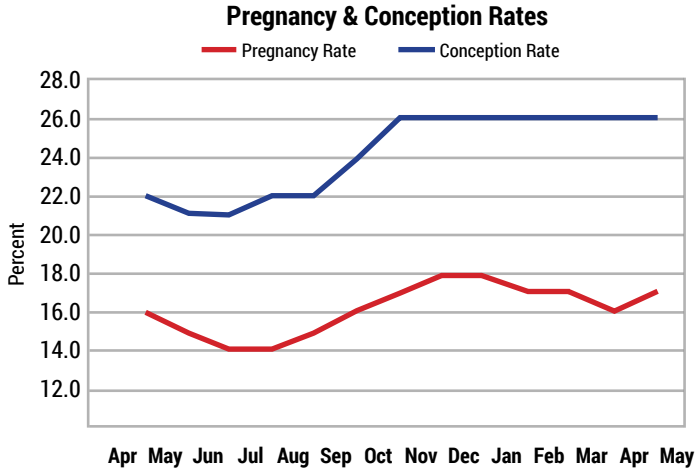
Infected this test or last test (SCC >= 200K (SCS >= 4.0)) and DIM >= 5

Index	Grp	Lact. #	DIM	Milk	SCC	Prev. SCC	Inf. Level	Lact. Avg. SCC	Prev. Lact. Avg. SCC	Tests Infected #	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 troubleshoot 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.





How D & L Rusch Dairy uses DHI to IMPROVE PROFITABILITY

NOT BIGGER. JUST BETTER.

Arren Rusch knew his dairy had reached a size that worked for the family, he didn't want to grow bigger or get caught up managing more people. Instead, he asked a different question: How could they maximize profitability out of the cows they already had? The answer was simple but profitable: focus on milk components.

Using their DHI data to guide breeding, nutrition, and strategic-culling decisions, the 450-cow Holstein and Jersey herd in Pound, Wis., shifted its focus to producing richer milk. The result has added more than $5 per hundredweight in premiums to Class 3 pricing.

Rather than growing cow numbers, D & L Rusch Dairy used its data to pinpoint where improvements could be made, especially in components. The focus on genetics, nutrition, and removing low-component cows has driven steady progress over the past several years.

"Some cows just won't produce high-component milk," Arren notes. "But for those that can, it's amazing to see what they'll do when fed properly." Nutrition adjustments, including feeding palm fat and balancing methionine and lysine, helped cows reach new levels.

And while nutrition unlocks potential, genetics guide which cows can truly excel in fat and protein production. Previously, the herd's genetic selection focused on improving feet, legs, udders, and longevity.

Today's plan includes those traits, but with a big focus on positive fat and protein percent.

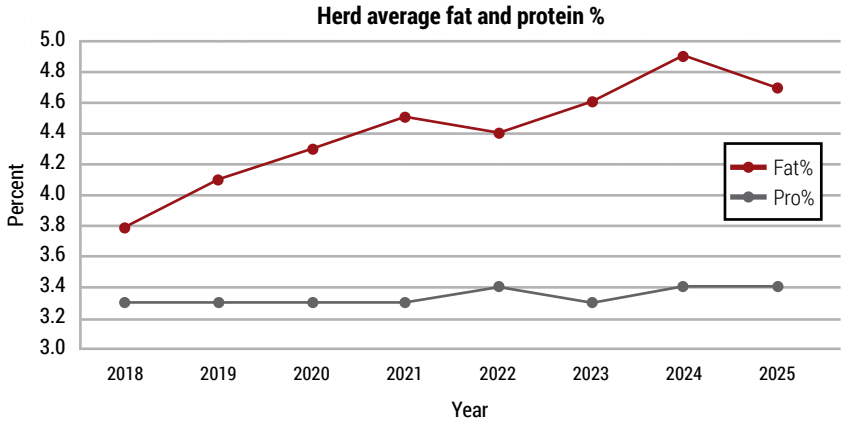
With DHI data in hand, Arren began tracking and making breeding decisions to reach their new goal of producing higher-component milk. High-component cows are bred to sexed- or conventional-dairy semen, while lower-performing and lower-component cows are bred to beef and gradually culled.

Culling, whether for dairy or beef purposes, became a strategic tool during this time. "It wasn't drastic, just a few cows a month, but over time, you could really see the bulk tank change," Arren says. Today, the herd averages 4.7% fat and 3.4% protein, a substantial increase from just five years ago.

The results speak for themselves. Since the change in focus to increased-component production, the premium the dairy gets paid has made a real impact on the milk check. "When we were getting $20 (per hundredweight) for Class 3 Base Price, we were up to $5.50 in premiums," says Arren. "That's a game changer on the milk check."

By pushing fat and protein percentages and using DHI data to make more informed breeding and culling decisions, Arren and his family found a way to increase profitability per cow without increasing herd size.

"DHI testing has been key for us to understand every cow's potential," shares Arren. "By looking at individual performance over the years, we can make smarter breeding decisions. With all the data from CentralStar and DART, we can rank cows by energy-corrected milk (ECM) and make informed choices. Every report helps us get better and keeps our herd moving in the right direction."



D & L RUSCH DAIRY

Established: 1995 with 40 acres and 7 cows

Current Herd: 450 cows (75% Holstein, 25% Jersey)

Crops: 1,100 acres

Owners: Arren, and his father, Darrin Rusch

Family: Arren's wife, Brittany, and their four children, Gentry, Mavrick, Waylon, and Marlee; his mother, Lynn

Pictured: Gentry, Brittany, Marlee, Arren, Waylon, Maverick, Darren Rusch; CentralStar A.I. Specialist Doug Swanson; Lynn Rusch; Chelsey, Ameilia, Zach, Arthur Biehl

MYCOTOXIN PROTECTION
WITHOUT BINDING NUTRIENTS

RESEARCH: Feeding cows contaminated feed can impair reproduction and reduce milk production. While many mycotoxin products focus more on binding nutrients than the toxins themselves, Select DTX™ has a proven track record on farms for helping cows maintain reproduction and production when mycotoxins are present. A recent study on a large, high-performing Holstein herd shows Select DTX™ can help cows stay productive even when facing common mycotoxins like DON and zearalenone.

28.6%

IMPROVED PREGNANCY RATES

Artificial insemination pregnancy rates from Control 36.7% to DTX™ 47.2%.

15.6%

IMPROVED ET PREGNANCY RATES

Embryo transfer pregnancy rates from Control 27.6% to DTX™ 31.9%.

2.5LB

INCREASED PRODUCTION PER COW

Daily milk production for the first 150 DIM

Defending against mycotoxins and protecting profitability.

DEFEND & PROTECT

LEARN MORE

Broad Spectrum Mycotoxin Protection

L-form bacteria protect against digestive damage without binding essential nutrients.

Supports Reproductive Performance

Helps maintain fertility and stronger-heat expression, despite toxin exposure.

Enhances Immune Response

Strengthens gut and liver function to minimize the negative effects of mycotoxins.

Improves Feed Efficiency

Maximizes nutrient absorption even in mycotoxin-challenged diets.

The OPPORTUNITY most dairies STILL overlook

Emily Middleton-Gyomory, CentralStar Regional Consulting Manager

Cow-pregnancy rates have increased substantially over the past 30 years, with award-winning herds achieving pregnancy rates as high as 47%. Surprisingly, heifer-pregnancy rates have not kept pace, and that's where many dairies are still leaving money on the table.

The average cow-pregnancy rate for a subset of CentralStar herds that utilize consulting services is 28%, ranging from 18% to 43%. The heifer-pregnancy rate for 64 of those herds averages 29% and ranges from 10% to 50%. In other words, heifer-pregnancy rates average just 1% higher than cow-pregnancy rates, but with nearly double the variation. In that same data set, the average conception rate to conventional semen is 46% for cows and 61% for heifers. If heifers conceive 15% better than cows, why is their overall pregnancy rate barely higher? That gap is the opportunity.

Why 40% pregnancy rate matters

For most dairies, a realistic goal for heifer-pregnancy rate is 40%. Increasing heifer-pregnancy rates can reduce rearing costs, bring replacements into the herd sooner, and create more calves each year. In a case scenario, Figure 1 shows the distribution of age at first calving for a herd with a 40% heifer-pregnancy rate versus a 25% pregnancy rate. Both herds start breeding heifers at 390 days old, yet the herd with a 40% pregnancy rate averages 22 months at first calving, while the 25%-pregnancy-rate herd averages 24 months.

The heifers calving in at an older age may produce more Energy-Corrected Milk (Figure 2), but the extra production doesn't outweigh the extra feed costs (Figure 3). Based on this production data and the age-at-first-calving profile for these 100 heifers, the herd with a 25% pregnancy rate has over $8,000 more in opportunity cost from later calvings than the herd with a 40%-pregnancy-rate. Furthermore, the 40%-pregnancy-rate herd has a lower non-completion rate, 10% compared to 14%, meaning more heifers successfully make it to the milking herd when pregnancy rates are higher.

Why do heifers lag?

Heifer-conception rates average 15% higher than cow-conception rates. Even the bottom 25% of herds for heifer conception average 5% higher than cows. The issue isn't usually conception, it's getting heifers inseminated in the first place.

Whether a herd breeds heifers by age or weight, 90% of heifers should be bred for the first time within a 30-day window. Low-insemination rates often stem from three things.

1. *Difficulty moving heifers into the breeding pen on time.* Some farms struggle with labor or overcrowded facilities. Working with a CentralStar consultant to develop a breeding strategy can help right-size heifer inventory and

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Figure 1. Pregnancy-rate (PR) comparison

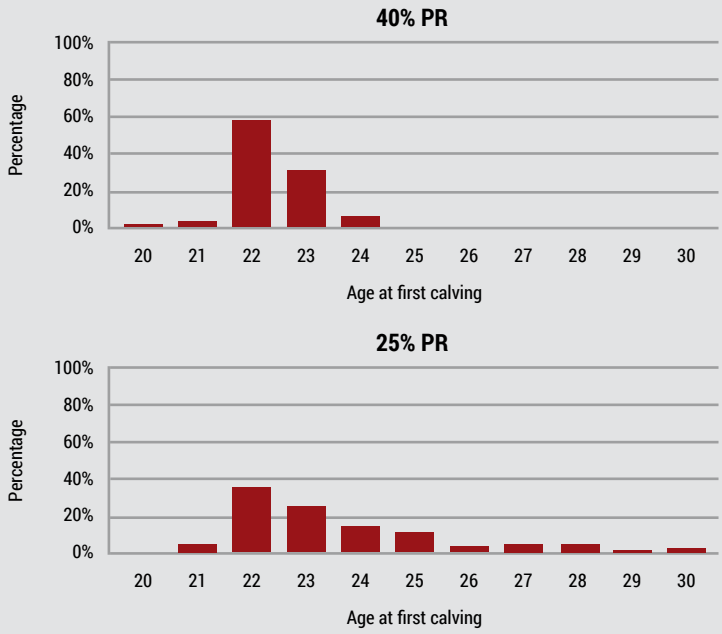

Figure 2. 305-day Energy-Corrected Milk (ECM)

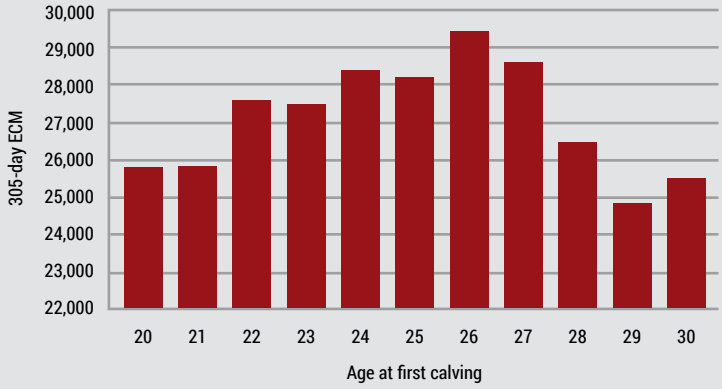

Figure 3

Comparison Group		22 months		*Feed costs*	*$3.00*	*Head/day*
		27,589	305 ECM	*Milk price*	*$20*	*CWT*
AFC	305 ECM	DOF	Feed cost	Milk income	Total income	Difference
20	25,800	600	$1,800	$5,160	$3,360	-$178
21	25,816	630	$1,890	$5,163	$3,273	-$265
22	27,589	660	$1,980	$5,518	$3,538	$0
23	27,489	690	$2,070	$5,498	$3,428	-$110
24	28,400	720	$2,160	$5,680	$3,520	-$18
25	28,217	750	$2,250	$5,643	$3,393	-$144
26	29,461	780	$2,340	$5,892	$3,552	$14
27	28,619	810	$2,430	$5,724	$3,294	-$244
28	26,470	840	$2,520	$5,294	$2,774	-$764
29	24,806	870	$2,610	$4,961	$2,351	-$1,187
30	25,524	900	$2,700	$5,105	$2,405	-$1,133

The OPPORTUNITY most dairies STILL overlook

Continued from previous page...

reduce overcrowding. Consultants can factor in a buffer, so the farm is never short on replacements, while also capturing added value through beef on dairy calves. Genomic testing can also identify which animals should produce replacements, ensuring only the best heifers move into the breeding program.

2. *Lack of a consistent heat-detection program.*
A lack of routine heat detection hinders insemination rates. A good goal is for more than 60% of heifers to be rebred within the normal heat-cycle window of 18–24 days. Utilizing a CentralStar A.I. Specialist and/or a monitoring system like CowManager® can improve both conception and insemination rates. Because sexed semen works best when used 16–24 hours after estrus begins, CowManager's insemination window can help maximize success.

3. *Heifers being too small for breeding.*
Heifers should reach 55% of mature body weight before their first breeding. Many undersized heifers have a history of calfhood diseases like pneumonia or scours. These health setbacks delay breeding and limit their future milk potential. Prevention is key. Selecting for calf-wellness traits, feeding high-quality colostrum or replacer followed by a high-quality diet, following a veterinarian-approved vaccination program, and supporting the immune system with products like AccelAIRate or CONVERT™ all help heifers stay on track. CowManager's new Youngstock Monitor can even detect illness in calves before clinical signs appear.

The payoff

Heifer reproduction is still one of the biggest opportunities in many dairies. Heifers are typically the highest-genetic animals in the herd and carry the most-valuable pregnancies. With today's low heifer inventories and the cost of raising replacements, it's more important than ever to complete as many heifers as possible and to make sure those heifers are of the highest quality. If you would like help with your heifer reproduction, reach out to your local CentralStar team.

TOP 20% ECM HERDS

	3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
1	*	Koester Dairy Inc, Dakota, IL	HO	416	35,135	1,667	4.7	1,154	3.3	7.7	41,905
2	*	Kellercrest Reg Hol Inc, Mount Horeb, WI	HO	331	34,226	1,625	4.7	1,153	3.4	7.6	41,056
3	*	Top-Deck Farms, Westgate, IA	HO	729	33,323	1,621	4.9	1,066	3.2	7.4	40,043
4	*	Tom Kunkel, Cuba City, WI	HO	278	34,819	1,556	4.5	1,078	3.1	7.2	39,783
5	*	Shiloh Dairy, Greenleaf, WI	HO	3,151	34,082	1,547	4.5	1,112	3.3	7.3	39,685
6	*	Gibbs Dairy, Waterville, IA	HO	675	32,741	1,555	4.7	1,075	3.3	7.2	39,067
7	*	Loehr Dairy LLC, Mount Calvary, WI	HO	573	32,878	1,531	4.7	1,091	3.3	7.2	38,924
8	*	Horsens Homestead Farms, Cecil, WI	HO	1,458	33,866	1,479	4.4	1,133	3.3	7.2	38,895
9	*	Nathan & Tajia Retzlaff, Shawano, WI	HO	109	35,683	1,444	4.0	1,110	3.1	7.0	38,860
10	*	Oesch Swisslane, Alto, MI	HO	2,090	33,213	1,464	4.4	1,110	3.3	7.1	38,311
11	*	George Kasbergen, Mansfield, IL	HO	3,815	36,391	1,379	3.8	1,115	3.1	6.8	38,288
12	*	Wayside Dairy, Greenleaf, WI	HO	2,615	31,623	1,532	4.8	1,039	3.3	7.0	38,128
13	*	Crandall Farms LLC, Battle Creek, MI	HO	351	33,663	1,434	4.3	1,097	3.3	6.9	37,970
14	*	Jmax, Fremont, MI	HO	1,626	33,564	1,432	4.3	1,079	3.2	6.9	37,774
15	*	Abel Dairy Farms, Fond Du Lac, WI	HO	4,338	32,189	1,481	4.6	1,049	3.3	6.9	37,730
16	*	Oesch Swisslane, Alto, MI	HO	554	33,516	1,404	4.2	1,122	3.3	6.9	37,725
17	*	Quantum Dairy LLC, Weyauwega, WI	HO	4,113	31,879	1,488	4.7	1,043	3.3	6.9	37,673
18	*	Banner Ridge Farms LLC, Platteville, WI	HO	557	32,787	1,449	4.4	1,070	3.3	6.9	37,671
19	*	Randell & Lois Brougher, Elsie, MI	HO	268	32,995	1,439	4.4	1,072	3.2	6.9	37,625
20	*	Maly Farms, Bryant, WI	HO	513	35,398	1,379	3.9	1,068	3.0	6.7	37,603
21	*	Reuter Dairy Inc, Peosta, IA	HO	988	32,948	1,443	4.4	1,057	3.2	6.8	37,547
22	*	Heimans Holsteins LLC, Marshfield, WI	HO	575	32,829	1,445	4.4	1,053	3.2	6.8	37,503
23	*	Waterlander Holsteins, Pine River, WI	HO	480	31,885	1,467	4.6	1,052	3.3	6.9	37,472
24		CR Dairy, Monticello, WI	HO	189	33,408	1,399	4.2	1,097	3.3	6.8	37,434
25	*	Weishaar Family Farm, Westfield, WI	HO	353	33,953	1,408	4.1	1,053	3.1	6.7	37,392
26	*	Valley-Vu Dairy LLC, Cumberland, WI	HO	1,032	31,754	1,452	4.6	1,064	3.4	6.9	37,327
27	*	Rosy-Lane Holsteins LLC, Watertown, WI	HO	1,806	31,015	1,475	4.8	1,055	3.4	6.9	37,314
28	*	Ryan Litwiller, Middleton, MI	HO	279	31,642	1,475	4.7	1,025	3.2	6.8	37,289
29	*	Sand Creek Dairy LLC, Hastings, MI	HO	1,113	33,688	1,377	4.1	1,099	3.3	6.8	37,255
30	*	Gav-N-View Farm, Lansing, IA	HO	642	31,165	1,492	4.8	1,011	3.2	6.9	37,247
31	*	Lew-Max LLC, Belding, MI	HO	1,177	32,807	1,425	4.3	1,043	3.2	6.8	37,161
32	*	Moo-Ville Farm & Creamery, Nashville, MI	HO	280	32,869	1,401	4.3	1,071	3.3	6.8	37,084
33	*	First Farms, Ionia, MI	HO	707	34,943	1,357	3.9	1,053	3.0	6.6	37,055
34	*	Rusk-Rose Holsteins, Ladysmith, WI	HO	566	32,016	1,459	4.6	1,004	3.1	6.7	37,044
35	*	Janie Blu LLC, Custer, WI	HO	529	31,449	1,433	4.6	1,071	3.4	6.9	37,034
36	*	Todd Mark, Elmwood, WI	HO	150	33,316	1,346	4.0	1,135	3.4	6.8	37,008
37	*	Fischer & Clark Dairy, Hatley, WI	XX	1,134	31,585	1,446	4.6	1,037	3.3	6.8	36,987
38	*	Ed Walter Farm Inc, Oshkosh, WI	HO	350	32,395	1,403	4.3	1,070	3.3	6.8	36,948
39	*	Blaser Farms Inc, Gillett, WI	HO	632	32,231	1,415	4.4	1,048	3.3	6.7	36,881
40		Mark & Becky Iciek, Gladwin, MI	HO	1,283	29,709	1,531	5.2	956	3.2	6.8	36,855
41	*	Norwood Centennial Farms, Charlevoix, MI	HO	160	33,032	1,389	4.2	1,051	3.2	6.7	36,829
42		River Crest Dairy LLC, Greenwood, WI	HO	258	30,607	1,453	4.7	1,037	3.4	6.8	36,758
43		McAllister Family Dairy LLC, New Vienna, IA	HO	277	32,267	1,399	4.3	1,051	3.3	6.7	36,709
44	*	Sugar Creek Dairy, Elkhorn, WI	HO	634	32,154	1,394	4.3	1,060	3.3	6.7	36,676
45	*	Yonkman Dairy, McBain, MI	HO	1,949	32,288	1,414	4.4	999	3.1	6.6	36,512
46	*	Curt Kohls, Gillett, WI	HO	499	31,722	1,394	4.4	1,043	3.3	6.7	36,404
47	*	Seidls Mtn View Dairy, Luxemburg, WI	HO	1,181	33,167	1,360	4.1	1,034	3.1	6.6	36,368
48	*	Minglewood Inc, Deer Park, WI	HO	1,321	30,104	1,430	4.8	1,034	3.4	6.8	36,273
49	*	Dominic & Jamie Mastey, Bonduel, WI	HO	147	32,009	1,402	4.4	996	3.1	6.6	36,242
50	*	Newell Farms, Trufant, MI	HO	491	32,374	1,357	4.2	1,047	3.2	6.6	36,169
51	*	Tim & Carla Kane, Denmark, WI	HO	962	31,803	1,359	4.3	1,060	3.3	6.6	36,108
52	*	Grass Ridge Farm LLC, Pittsville, WI	HO	601	31,058	1,371	4.4	1,062	3.4	6.7	36,035
53		Tim Greer, West Branch, MI	HO	657	29,294	1,531	5.2	863	2.9	6.6	36,008
54	*	Loehr Dairy LLC, Mount Calvary, WI	XX	62	30,365	1,402	4.6	1,025	3.4	6.6	35,927
55		Brumm Dairy LLP, Stacyville, IA	HO	293	30,433	1,378	4.5	1,044	3.4	6.6	35,783
56	*	Berning Acres, East Dubuque, IL	HO	495	31,406	1,368	4.4	1,016	3.2	6.5	35,758
57	*	Granitehill Dairy, Mosinee, WI	HO	420	30,879	1,378	4.5	1,020	3.3	6.6	35,746
58	*	Five Star Dairy, Elk Mound, WI	HO	1,045	30,046	1,435	4.8	957	3.2	6.6	35,729
59	*	Ambrosius Dairy Farm, Seymour, WI	HO	129	32,576	1,309	4.0	1,061	3.3	6.5	35,721
60	*	Mark Vanderhyde - Spartan Farm, Sparta, MI	HO	250	28,534	1,488	5.2	930	3.3	6.6	35,715
61		Darren Rusch, Pound, WI	HO	400	30,150	1,404	4.7	985	3.3	6.5	35,576
62	*	Pickart Dairy LLC, Malone, WI	HO	762	32,055	1,314	4.1	1,055	3.3	6.5	35,569
T		Lehman Dairy, Sherrill, IA	HO	265	30,596	1,365	4.5	1,031	3.4	6.6	35,569
64	*	Jeremy Seiler, Carson City, MI	HO	384	32,136	1,324	4.1	1,022	3.2	6.4	35,473
65	*	Neal Burken, Galesville, WI	HO	499	30,902	1,384	4.5	973	3.1	6.5	35,471
66	*	Templeton Farm, Evansville, WI	HO	176	32,843	1,294	3.9	1,036	3.2	6.4	35,422
67	*	Lucky 7 Dairy, McBain, MI	HO	2,094	32,058	1,310	4.1	1,037	3.2	6.4	35,381
68	*	Hulstein Brothers Dairy, Hull, IA	HO	328	31,331	1,296	4.1	1,088	3.5	6.5	35,352
69	*	Whitetail Valley Dairy LLC, Waupaca, WI	HO	329	31,869	1,328	4.2	1,010	3.2	6.4	35,345
70	*	Car Mer Farm, Galena, IL	HO	577	31,725	1,319	4.2	1,031	3.2	6.4	35,342

TOP 20% ECM HERDS

	3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
71	*	Chad Beck, West Branch, MI	HO	1,200	29,098	1,453	5.0	912	3.1	6.5	35,308
72	*	Dean Meyer, New Albin, IA	HO	2,563	27,974	1,468	5.2	934	3.3	6.6	35,303
73	*	Dairy Dreams, Casco, WI	XX	6,592	28,893	1,392	4.8	1,021	3.5	6.6	35,285
74	*	Kevin & Lisa Collins, Greenleaf, WI	HO	1,564	31,049	1,338	4.3	1,019	3.3	6.5	35,275
75	*	Schwartzhoff Dairy, Dorchester, IA	HO	384	33,231	1,287	3.9	1,011	3.0	6.3	35,267
76	*	Tony Rosebrugh, West Branch, MI	XX	795	30,693	1,393	4.5	934	3.0	6.4	35,221
77		Lyle & Carla Weaver, Goshen, IN	HO	131	30,760	1,363	4.4	981	3.2	6.4	35,214
78	*	Stutzman Family Farms LLC, Conrath, WI	HO	378	31,206	1,344	4.3	988	3.2	6.4	35,167
79	*	Brickstead Dairy LLC, Greenleaf, WI	HO	1,054	30,951	1,328	4.3	1,025	3.3	6.4	35,160
80	*	Many Blessings Dairy Inc, McBain, MI	HO	1,987	31,287	1,328	4.2	1,010	3.2	6.4	35,155
81	*	United Pride Dairy LLC, Phillips, WI	HO	1,810	29,752	1,364	4.6	1,006	3.4	6.5	35,089
82	*	Olson's Best Dairy LLC, Shiocton, WI	HO	304	31,092	1,311	4.2	1,038	3.3	6.4	35,085
83	*	Pebble Knolls Dairy, Brandon, WI	HO	784	29,772	1,354	4.5	1,018	3.4	6.5	35,057
84	*	Gary Sanborn, Hubbardston, MI	HO	719	31,248	1,339	4.3	967	3.1	6.3	34,956
85	*	Egan Bros & Trevor Crain, New London, WI	HO	954	30,289	1,356	4.5	976	3.2	6.4	34,931
86	*	Doug Scheider, Freeport, IL	HO	812	30,969	1,326	4.3	992	3.2	6.4	34,887
87	*	Allen Vande Hei, Seymour, WI	HO	1,176	30,945	1,322	4.3	997	3.2	6.4	34,866
88	*	Cross Farms, Oshkosh, WI	HO	2,680	31,895	1,282	4.0	1,021	3.2	6.3	34,842
89	*	El-Na Farms LLC, Algoma, WI	HO	2,493	31,339	1,305	4.2	1,005	3.2	6.3	34,836
90	*	Nathan & Tajia Retzlaff, Shawano, WI	XX	42	32,414	1,294	4.0	976	3.0	6.2	34,823
91		Bollinger Farms LLC, Vestaburg, MI	HO	210	30,396	1,356	4.5	956	3.1	6.3	34,813
92	*	Enyart Farms LLC, Postville, IA	HO	350	31,721	1,307	4.1	980	3.1	6.3	34,795
93		Jeff Lambrecht, Kewaunee, WI	HO	317	29,083	1,381	4.7	963	3.3	6.4	34,761
94	*	Jo-Eng Dairy Farms, German Valley, IL	HO	868	32,443	1,283	4.0	985	3.0	6.2	34,759
95		C-Dar Dairy LLC, Elkhart, IN	HO	273	31,341	1,290	4.1	1,009	3.2	6.3	34,673
96	*	S & B Dairy Farm, Sigel, IL	HO	783	32,855	1,246	3.8	1,018	3.1	6.2	34,667
97	*	Kevin & Diane Skinner, Junction City, WI	HO	537	31,338	1,297	4.1	996	3.2	6.3	34,663
98		Jerangle Dairy, Wakarusa, IN	HO	259	29,437	1,325	4.5	1,028	3.5	6.4	34,649
99	*	Todd Augustian, Kewaunee, WI	HO	1,174	30,727	1,291	4.2	1,026	3.3	6.3	34,615
100	*	Srnka Farms LLC, Algoma, WI	HO	508	32,067	1,286	4.0	976	3.0	6.2	34,606
101		Jonas Zimmerman, Wakarusa, IN	HO	125	29,073	1,388	4.8	931	3.2	6.4	34,604
102		Production Unlimited LLC, Twin Lakes, WI	HO	139	29,038	1,357	4.7	983	3.4	6.4	34,589
103		Silvershea Holsteins LLC, Omro, WI	HO	172	31,794	1,291	4.1	974	3.1	6.2	34,566
104		Stuart Farms, Lowell, MI	HO	446	29,951	1,334	4.5	972	3.2	6.3	34,505
T	*	Ro-Linda Acres, Waterville, IA	HO	1,140	29,861	1,315	4.4	1,008	3.4	6.4	34,505
106		Burke Larsen, Scottville, MI	HO	696	30,858	1,313	4.3	967	3.1	6.2	34,491
107		David Dezeeuw, Falmouth, MI	HO	171	31,001	1,287	4.2	998	3.2	6.3	34,439
108	*	Doug Fairbanks, Anamosa, IA	HO	243	30,744	1,313	4.3	963	3.1	6.2	34,424
109	*	Brightside Dairy LLC, Greenleaf, WI	HO	822	31,537	1,239	3.9	1,037	3.3	6.2	34,291
110		Reuben Nolt, Alta Vista, IA	HO	81	29,320	1,328	4.5	976	3.3	6.3	34,252
111	*	KSU Dairy Unit, Manhattan, KS	HO	317	33,350	1,215	3.6	994	3.0	6.1	34,244
112	*	Neil Christianson, Shiocton, WI	HO	188	29,800	1,304	4.4	994	3.3	6.3	34,236
113		Schuh View Dairy LLC, Kaukauna, WI	HO	1,390	28,530	1,420	5.0	851	3.0	6.2	34,228
114	*	Pasch MBM, Weidman, MI	HO	370	31,783	1,262	4.0	979	3.1	6.1	34,225
115		Terry Deutmeyer, Dyersville, IA	HO	114	30,175	1,309	4.3	968	3.2	6.2	34,224
116	*	Kinnard Farms Inc, Casco, WI	HO	8,926	30,588	1,270	4.2	1,013	3.3	6.3	34,198
117		Doug Roth, Mt. Pleasant, IA	HO	152	29,330	1,326	4.5	966	3.3	6.3	34,153
118		Eric Frahm, Frankenmuth, MI	HO	122	30,515	1,285	4.2	984	3.2	6.2	34,147
119	*	Royal Vista Holsteins LLC, Pickett, WI	HO	402	30,755	1,267	4.1	989	3.2	6.2	34,030
120	*	Voight Acres, Shiocton, WI	HO	287	31,154	1,247	4.0	1,005	3.2	6.2	34,024
121		John & Peggy Sparrgrove, Castalia, IA	HO	154	29,956	1,288	4.3	983	3.3	6.2	33,995
122	*	Maple Leaf Acres, Elk Mound, WI	HO	364	29,613	1,302	4.4	972	3.3	6.2	33,980
123	*	United Vision Dairy LLC, Mishicot, WI	HO	1,158	31,342	1,271	4.1	949	3.0	6.1	33,968
124	*	Country Aire Farms, Greenleaf, WI	HO	5,430	30,107	1,280	4.3	985	3.3	6.2	33,956
125	*	Rolling Hills Dairy LLC, Luxemburg, WI	HO	1,819	29,218	1,313	4.5	967	3.3	6.2	33,955
126	*	Vande Hei Dairy Farms, De Pere, WI	HO	445	30,726	1,267	4.1	980	3.2	6.2	33,952
127		Trent & Kelsey Hendrickson, Blanchardville, WI	HO	509	29,536	1,289	4.4	992	3.4	6.2	33,940
128		Derek Brimeyer, Sherrill, IA	HO	156	31,177	1,243	4.0	999	3.2	6.1	33,934
129	*	Tubergen Dairy Farm LLC, Ionia, MI	HO	2,729	30,123	1,272	4.2	994	3.3	6.2	33,927
130	*	Blanchard Family Dairy, Charlotte, IA	XX	1,792	29,329	1,311	4.5	959	3.3	6.2	33,904
131		Golden Corners Dairy, Oconto Falls, WI	HO	286	29,588	1,295	4.4	974	3.3	6.2	33,897
132	*	Herb Farms LLC, Shiocton, WI	HO	681	30,043	1,280	4.3	979	3.3	6.2	33,889
133		Jason & Sara Menne, Postville, IA	HO	151	29,746	1,286	4.3	979	3.3	6.2	33,870
134	*	Vagts Dairy LLC, West Union, IA	HO	555	30,072	1,296	4.3	948	3.2	6.1	33,869
135		Troy & Sara Blazek, Oconto Falls, WI	HO	200	30,168	1,264	4.2	995	3.3	6.2	33,845
136	*	Royal Wood Farms, Brandon, SD	HO	494	28,861	1,361	4.7	880	3.0	6.1	33,795
137	*	Verhoef Dairy, Colby, WI	HO	504	30,213	1,270	4.2	975	3.2	6.2	33,785
138	*	Mitchell Dairy & Grain LLC, Winnebago, IL	HO	490	30,037	1,282	4.3	961	3.2	6.1	33,776
139	*	Prairie View Dairy LLC, Fairbury, IL	HO	223	30,672	1,262	4.1	967	3.2	6.1	33,770
140	*	Dykstra, Maurice, IA	HO	3,448	29,219	1,291	4.4	973	3.3	6.2	33,717

TOP 20% ECM HERDS

	3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
141	*	Stempfle Holsteins, Maynard, IA	HO	992	29,402	1,294	4.4	959	3.3	6.2	33,708
142		Bill & Lisa Holland, Apple River, IL	HO	374	29,926	1,274	4.3	967	3.2	6.1	33,682
143	*	Petro Farms, Gobles, MI	HO	1,009	30,976	1,236	4.0	986	3.2	6.1	33,678
144	*	NE IA Dairy Foundation, Calmar, IA	HO	210	28,880	1,291	4.5	978	3.4	6.2	33,644
145	*	Don Niles, Michicot, WI	XX	1,011	28,829	1,272	4.4	1,009	3.5	6.2	33,618
146	*	Rem-Jem Dairy, LLC, Unity, WI	HO	556	31,049	1,247	4.0	955	3.1	6.0	33,607
147	*	Wesselcrest, Greeley, IA	HO	317	28,431	1,294	4.6	985	3.5	6.2	33,589
148	*	Wilnore Holsteins, Milton, WI	HO	68	30,035	1,260	4.2	970	3.2	6.1	33,559
149		Moonlight Dairy Farm, Alcester, SD	HO	443	28,532	1,298	4.5	968	3.4	6.2	33,544
150		Virgil Martin, Boscobel, WI	HO	122	30,568	1,241	4.1	975	3.2	6.1	33,525
151	*	Greg Illig & Sons, West Branch, MI	HO	646	27,380	1,367	5.0	895	3.3	6.2	33,503
152		Devon Ramer, Milford, IN	HO	145	30,659	1,229	4.0	988	3.2	6.1	33,499
153		Brian & Monica Enyart, Postville, IA	HO	143	30,404	1,252	4.1	956	3.1	6.0	33,469
154	*	Greenleaf Ledge Dairy, Greenleaf, WI	HO	612	31,808	1,195	3.8	992	3.1	6.0	33,465
155	*	Brooks Dairy Farms, Waupaca, WI	HO	695	29,166	1,285	4.4	952	3.3	6.1	33,461
156		Andrew Houlberg, Monticello, WI	HO	126	28,793	1,286	4.5	962	3.3	6.2	33,428
157		Stephen Burkholder, Orleans, MI	HO	111	29,541	1,284	4.3	932	3.2	6.1	33,418
158	*	Dwight Rokey, Sabetha, KS	HO	108	30,749	1,241	4.0	951	3.1	6.0	33,401
159		Alvin & Sylvia Sauder, Charles City, IA	HO	66	29,385	1,267	4.3	965	3.3	6.1	33,399
160		Tacoma Dairy Inc, Falmouth, MI	HO	417	29,164	1,265	4.3	976	3.3	6.1	33,385
161		Mike Bosscher, McBain, MI	HO	188	30,304	1,224	4.0	996	3.3	6.1	33,380
162		Charles & Kappy Koch, Tremont, IL	HO	190	27,776	1,304	4.7	965	3.5	6.2	33,352
163		Nathan & Kristy Mulder, Ridott, IL	HO	58	31,870	1,175	3.7	1,007	3.2	6.0	33,341
164	*	Regancrest Farm, Waukon, IA	HO	1,040	29,351	1,286	4.4	925	3.2	6.1	33,328
165		Hillebrand Farms, Cornell, WI	HO	58	29,022	1,277	4.4	954	3.3	6.1	33,325
166		Duane, Jeanne & Dave Meier, Monticello, WI	HO	77	28,730	1,275	4.4	968	3.4	6.1	33,311
167	*	Bruce & Julie Buddenberg, Decorah, IA	HO	333	29,868	1,249	4.2	959	3.2	6.0	33,278
168		Jack & Tom Jeppesen, Stanton, MI	HO	276	29,101	1,276	4.4	946	3.3	6.1	33,277
169	*	Valley Grove Dairy LLC, Hastings, MI	HO	286	29,349	1,262	4.3	957	3.3	6.1	33,261
170		Greg & Jenny Conway, Lansing, IA	HO	181	29,105	1,275	4.4	942	3.2	6.1	33,235
171	*	Jay & Amy Krahn, Brillion, WI	HO	185	30,429	1,264	4.2	901	3.0	5.9	33,212
172	*	Carrie Heim, Algoma, WI	HO	834	29,265	1,242	4.2	986	3.4	6.1	33,196
173	*	Pagels Ponderosa, Kewaunee, WI	XX	6,785	27,101	1,316	4.9	951	3.5	6.2	33,179
174		Dale & Sharon Fertig, Wall Lake, IA	HO	250	29,671	1,248	4.2	956	3.2	6.0	33,177
175		Don Fincham, Marysville, KS	HO	218	28,456	1,262	4.4	977	3.4	6.1	33,122
176		Dutch Meadows LLC, Zeeland, MI	HO	193	28,765	1,266	4.4	956	3.3	6.1	33,114
177	*	Bauduin's Grandview Dairy LLC, Casco, WI	HO	876	28,760	1,276	4.4	939	3.3	6.1	33,112
178	*	Gropp Farms, Spencer, WI	HO	528	27,793	1,309	4.7	924	3.3	6.1	33,108
179	*	Dale Bogart, Kewaunee, WI	HO	2,061	30,349	1,204	4.0	987	3.3	6.0	33,066
180	*	Furseth Farms Inc, Stoughton, WI	HO	209	29,634	1,244	4.2	948	3.2	6.0	33,052
T		Charles & Christopher Weber, Elmwood, WI	HO	193	27,145	1,298	4.8	963	3.5	6.2	33,052
182	*	Craig & Katharine Edler, Browntown, IL	HO	917	30,038	1,256	4.2	908	3.0	5.9	33,034
183		Sheridan Flats Dairy LLC, Waupaca, WI	XX	373	29,363	1,233	4.2	975	3.3	6.0	33,028
184	*	Gene & Connie Duschner, Farley, IA	HO	621	28,503	1,255	4.4	974	3.4	6.1	33,024
185	*	Kenealy Dairy Farms, Cadott, WI	HO	676	28,987	1,260	4.3	944	3.3	6.0	33,017
186	*	Landstad Dairy LLC, Bonduel, WI	HO	308	30,704	1,207	3.9	959	3.1	5.9	33,007
187		Rick Demmer, Peosta, IA	HO	80	27,540	1,325	4.8	894	3.2	6.1	33,003
188		John W Nolt, Orchard, IA	HO	61	29,211	1,269	4.3	913	3.1	6.0	32,970
189	*	Preston Farms, Quincy, MI	HO	948	28,127	1,284	4.6	933	3.3	6.1	32,963
T	*	James & Callie Amera, Stoughton, WI	HO	145	29,482	1,248	4.2	936	3.2	6.0	32,963
191		Charles & Kappy Koch, Tremont, IL	XX	158	26,243	1,320	5.0	952	3.6	6.2	32,958
192	*	Neighborhood Dairy, Kaukauna, WI	HO	1,215	28,868	1,268	4.4	926	3.2	6.0	32,944
193	*	Linn Willow Creek Dairy, Linn, KS	HO	1,809	28,233	1,300	4.6	898	3.2	6.0	32,937
194	*	Rahm Dairy LLC, Colby, WI	HO	1,413	29,068	1,259	4.3	931	3.2	6.0	32,931
195	*	Hopeless Dairy Inc, Sheldon, WI	HO	459	28,299	1,278	4.5	927	3.3	6.0	32,895
196		Kandy-Bahr Holsteins, Waukon, IA	HO	65	29,592	1,208	4.1	988	3.3	6.0	32,878
197		Eugene Ramer, Rochester, IN	HO	106	28,806	1,251	4.3	946	3.3	6.0	32,857
198	*	Norm & Derrick Hammond, Dowling, MI	HO	493	29,982	1,209	4.0	965	3.2	6.0	32,843
199	*	James & Brad Ritter, Byron, MI	HO	330	30,050	1,212	4.0	956	3.2	5.9	32,835
200		Kevin Knapp, Larchwood, IA	HO	34	28,096	1,247	4.4	978	3.5	6.1	32,818
201	*	Edward J Hein, Crown Point, IN	HO	978	29,213	1,239	4.2	941	3.2	6.0	32,796
202		Jerry & Stephanie Kauffmann, Farley, IA	HO	265	29,837	1,207	4.0	968	3.2	6.0	32,793
203	*	Nathan & Tajia Retzlaff, Shawano, WI	XX	29	31,197	1,210	3.9	903	2.9	5.8	32,779
204		Coonridge Holsteins, Anamosa, IA	HO	162	29,857	1,240	4.2	909	3.0	5.9	32,775
205		Glendale Farms, Clintonville, WI	HO	297	28,965	1,240	4.3	946	3.3	6.0	32,766
206		Vellema Dairy, Harris, IA	XX	222	28,675	1,234	4.3	968	3.4	6.0	32,762
207		Marvin Martin, Carson City, MI	HO	88	29,701	1,226	4.1	937	3.2	5.9	32,757
208	*	Rottinghaus Family Dairy, Seneca, KS	HO	293	28,473	1,251	4.4	947	3.3	6.0	32,756
209		Hendel Farms, Caledonia, MN	HO	382	27,922	1,268	4.5	940	3.4	6.0	32,742
210	*	Jeff & Melinda Walz, West Union, IA	HO	131	30,254	1,215	4.0	927	3.1	5.9	32,719

UNLOCK THE VALUE
of your milk samples

Unlike traditional methods, testing milk samples to gain insights for production, health, and physiology, eliminates on-farm labor to find, sort, and lockup cows, improving cow comfort, while saving time and money.

Ask your CentralStar DHI Specialist to add any test to routine DHI samples, or ship samples direct to laboratory.

Learn more from your CentralStar team or call 800.631.3510.

LEUKOSIS
Use the Milk ELISA test to identify positive cows at freshening or dry off. Use the BLV Herd Profile to determine initial herd prevalence.

A1/A2
Genotyping assay identifies A1 and A2 beta-casein status of individual animals. Not for use on bulk tank samples. Test the whole herd at once, or each cow after freshening to help guide breeding decisions.

JOHNE'S
Use the Milk ELISA test to identify positive cows at freshening or dry off.

BVD
Use the Milk ELISA test to identify positive cows at freshening or dry off. Use the BVD Pooled Milk PCR test to check the entire herd at one time when an outbreak is suspected.

PREGNANCY
Effective 28-days post-breeding. As effective as traditional methods. Use for P2, P3, and dry checks to reduce the number of cows needing to be locked up on vet check day, saving the cows valuable resting time.

MASTITIS
To diagnose mastitis in cows, both clinical signs (udder inflammation, milk change, etc.) and sub-clinical signs (elevated SCC) should be evaluated. If mastitis is present, PCR testing can identify pathogens.

Single Assays: Use to identify infected cows in herd known to have a problem with one of the following pathogens: *Staph aureus, Mycoplasma bovis, Strep ag., Strep uberis,* or *Prototheca*

Contagious 3: Screens for major contagious pathogens: *Staph aureus, Mycoplasma bovis,* and *Strep ag.* Ideal for checking fresh or newly purchased cows.

Complete 16: Identifies pathogens causing both clinical and subclinical mastitis, covering all organisms from Single and Contagious 3 assays, plus common environmental pathogens.

TEST OPTIONS

CentralStar

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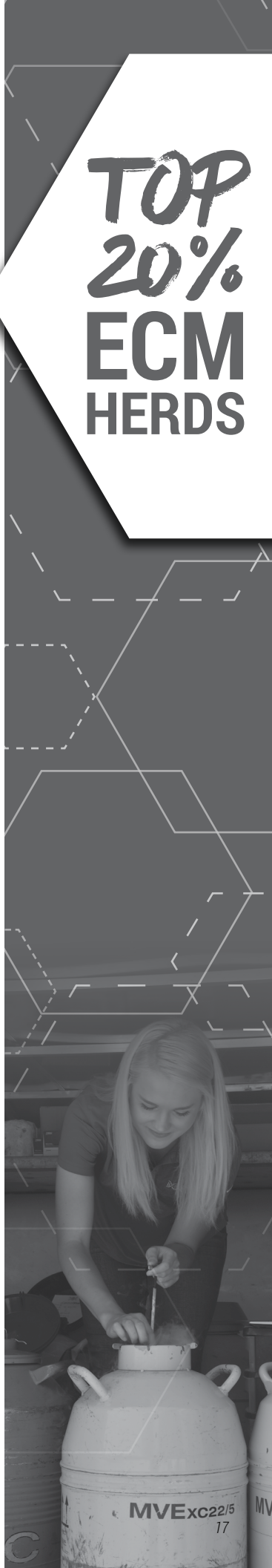
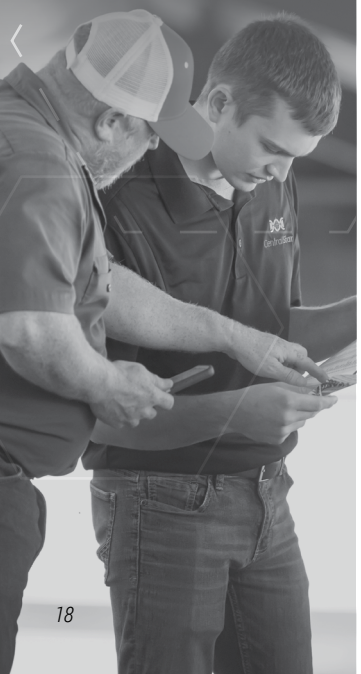
	3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
211	*	Rickland Dairy LLC, Eldorado, WI	HO	1,071	29,815	1,210	4.1	952	3.2	5.9	32,702
212		Kevin Martin, Warren, IL	HO	116	29,293	1,232	4.2	936	3.2	5.9	32,694
213		White Gold Dairy LLC, Plainfield, IA	HO	62	30,140	1,178	3.9	983	3.3	5.9	32,631
214	*	Bernard County Dairy, Bernard, IA	HO	578	29,136	1,235	4.2	929	3.2	5.9	32,628
215		Steve Landis, Goshen, IN	HO	29	28,794	1,265	4.4	891	3.1	5.9	32,614
216		Bob Van Daalwyk, Hilbert, WI	HO	193	30,242	1,188	3.9	959	3.2	5.9	32,610
217		Tom & Sara Kruse, Dyersville, IA	HO	61	28,564	1,223	4.3	970	3.4	6.0	32,599
218	*	Duane, Mel & Chad See, Chilton, WI	HO	829	28,615	1,246	4.4	927	3.2	6.0	32,584
219		Marty Bahl, Dubuque, IA	HO	234	28,033	1,258	4.5	927	3.3	6.0	32,549
220		Kevin & Julie Fossum, Waterville, IA	HO	263	29,204	1,212	4.2	953	3.3	5.9	32,536
221		Dave Wenger & Son's Dairy, Marlette, MI	HO	216	28,868	1,220	4.2	952	3.3	6.0	32,522
222		Hardy Spring Lake Farms, Stanton, MI	HO	228	28,408	1,259	4.4	905	3.2	5.9	32,517
223		Troy & Don Meyer, Maynard, IA	HO	101	28,387	1,241	4.4	931	3.3	6.0	32,476
224		James Reid, Jeddo, MI	HO	300	29,019	1,203	4.1	964	3.3	5.9	32,443
225	*	John & Meghan Palmer, Waukon, IA	HO	200	29,022	1,222	4.2	931	3.2	5.9	32,437
226		Auburnvale Swiss, Fremont, WI	XX	184	28,800	1,226	4.3	931	3.2	5.9	32,416
227	*	Thiele Dairy, Clearwater, NE	HO	3,335	29,024	1,217	4.2	933	3.2	5.9	32,388
228	*	Stencil Farms, Denmark, WI	HO	1,644	28,211	1,258	4.5	898	3.2	5.9	32,386
229	*	Norm-E-Lane Inc, Chili, WI	HO	2,593	28,482	1,224	4.3	943	3.3	5.9	32,378
230	*	Robert Getzloff, Wilson, MI	HO	545	28,580	1,242	4.3	905	3.2	5.9	32,353
231	*	Herrema Dairy, Fair Oaks, IN	HO	5,053	29,641	1,180	4.0	962	3.2	5.9	32,333
232		Matthew & Susan Smith, Hudson, MI	HO	90	28,562	1,217	4.3	944	3.3	5.9	32,322
233	*	Andre Weaver, Friendship, WI	HO	129	29,775	1,194	4.0	931	3.1	5.8	32,321
234	*	Boadwine Farms Inc, Baltic, SD	HO	5,330	29,936	1,191	4.0	929	3.1	5.8	32,319
235		Andrew Houlberg, Monticello, WI	HO	143	27,456	1,250	4.6	928	3.4	6.0	32,265
236		Douglas Fesenmaier & Sons, Elmwood, WI	HO	385	28,187	1,231	4.4	928	3.3	5.9	32,258
237	*	David & Susan Granskog, Stephenson, MI	HO	299	29,013	1,201	4.1	942	3.2	5.9	32,247
238		Larry & Jennifer Meyer, Chilton, WI	HO	145	29,812	1,170	3.9	959	3.2	5.8	32,236
239	*	Lane Holsteins, Goddard, KS	HO	113	29,672	1,183	4.0	938	3.2	5.8	32,198
240	*	Homestead Dairy, Plymouth, IN	HO	6,033	28,602	1,205	4.2	944	3.3	5.9	32,179
241		Jeff-Kate Hendrickson, Belleville, WI	HO	118	29,447	1,182	4.0	940	3.2	5.8	32,127
242	*	Lance & Jonna Schutte, Monona, IA	HO	117	29,011	1,214	4.2	903	3.1	5.8	32,116
243	*	John & Edwin Maxwell, Donahue, IA	JE	238	26,445	1,240	4.7	967	3.7	6.0	32,103
244		Adam & Karen Voigts, Wilton, WI	HO	279	27,112	1,260	4.6	900	3.3	5.9	32,068
245		Norris Dairy Farm Inc, Hesperia, MI	HO	746	28,849	1,200	4.2	923	3.2	5.8	32,035
246		Terry & Diane Cox, Shullsburg, IL	HO	381	29,021	1,211	4.2	897	3.1	5.8	32,034
247	*	Rich Byma, Grant, MI	HO	1,175	28,142	1,233	4.4	897	3.2	5.8	32,032
248	*	Montecassino Dairy, Milladore, WI	HO	459	27,935	1,213	4.3	937	3.4	5.9	32,011
249	*	Tennesons 3-T Dairy, Ettrick, WI	HO	356	29,254	1,173	4.0	947	3.2	5.8	32,001
250		Bill & Bob Gruppen, Zeeland, MI	HO	190	29,329	1,197	4.1	903	3.1	5.8	32,000
251	*	Mooody County Dairy LLP, Sherman, SD	HO	4,774	29,502	1,160	3.9	957	3.2	5.8	31,990
252	*	Tidy View Dairy LLC, Kaukauna, WI	XX	7,408	27,198	1,225	4.5	944	3.5	5.9	31,979
253		Jeff Knuver, Fremont, MI	HO	144	29,214	1,204	4.1	893	3.1	5.7	31,976
254	*	Green Meadow Farms Inc, Elsie, MI	HO	3,975	27,897	1,233	4.4	900	3.2	5.8	31,975
255	*	Rick & Connie Schuessler, Antigo, WI	HO	449	28,310	1,195	4.2	945	3.3	5.9	31,962
256		Hanson Farms, Pine River, WI	HO	411	28,923	1,181	4.1	941	3.3	5.8	31,950
257	*	Seven Oaks Dairy, LLC, Kaukauna, WI	HO	1,350	28,848	1,194	4.1	922	3.2	5.8	31,949
258		Earl & Jeff Horning, Manchester, MI	HO	444	28,194	1,235	4.4	880	3.1	5.8	31,945
259	*	River Ridge Dairy, Coopersville, MI	HO	1,980	27,436	1,244	4.5	896	3.3	5.9	31,936
260	*	Mill Valley Dairy, Milbank, SD	HO	2,896	28,467	1,192	4.2	939	3.3	5.8	31,928
261		Volmering Family Dairy, Harbor Beach, MI	HO	198	29,429	1,185	4.0	908	3.1	5.7	31,915
262		Claytop Holsteins, Howard City, MI	HO	283	28,600	1,195	4.2	923	3.2	5.8	31,888
263		Leon Henneman, Ellsworth, WI	HO	50	28,338	1,175	4.1	964	3.4	5.9	31,857
264	*	Shepard Farms, Sparta, MI	HO	392	27,353	1,257	4.6	867	3.2	5.8	31,855
265	*	Murphy Family Farm, New London, WI	HO	179	27,830	1,236	4.4	882	3.2	5.8	31,854
266	*	MSU Dairy Dept, Lansing, MI	HO	655	28,502	1,189	4.2	932	3.3	5.8	31,848
267		Von View Dairy Inc, Stewardson, IL	HO	119	30,017	1,145	3.8	938	3.1	5.7	31,819
268		Adam Delfosse, Brussels, WI	HO	78	30,074	1,131	3.8	958	3.2	5.7	31,809
269	*	Michael Heckaman, Argos, IN	HO	591	28,725	1,195	4.2	904	3.1	5.8	31,784
270		Randall Oberholtzer, Mt. Hope, WI	HO	151	28,426	1,189	4.2	922	3.2	5.8	31,746
271		Goldsmith Family Farms, Earlville, IA	HO	183	27,880	1,199	4.3	916	3.3	5.8	31,651
272		Mark Ulness, Valders, WI	HO	74	27,201	1,222	4.5	902	3.3	5.8	31,620
273		Warren Snodgrass, Orchard, NE	HO	857	30,199	1,122	3.7	943	3.1	5.7	31,619
274		Alan & Ruth Hageman, Decorah, IA	HO	126	29,603	1,133	3.8	949	3.2	5.7	31,612
275		Phillip Martin, Akron, IN	HO	384	28,529	1,180	4.1	914	3.2	5.7	31,602
276		Dall Dairy, Aviston, IL	HO	370	28,089	1,186	4.2	921	3.3	5.8	31,589
277		Jonathan Burkholder, Sheridan, MI	HO	79	28,817	1,174	4.1	908	3.2	5.7	31,573
278		Ron & Nicole Wussow, Cecil, WI	HO	47	28,949	1,153	4.0	936	3.2	5.7	31,558
279		Bob & Nancy Johnson, Baldwin, WI	HO	350	26,352	1,241	4.7	897	3.4	5.9	31,550
280		Elson Ramer, Argos, IN	HO	81	28,089	1,188	4.2	911	3.2	5.8	31,539

TOP 20% ECM HERDS



TOP 20% ECM HERDS

	3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
281		Ros-Lor Dairy LLC, Newton, WI	HO	103	29,169	1,186	4.1	866	3.0	5.6	31,522
282	*	United Pride Dairy LLC, Phillips, WI	XX	299	25,152	1,255	5.0	920	3.7	6.0	31,515
283		John Welter, Croswell, MI	HO	125	27,205	1,205	4.4	915	3.4	5.8	31,501
284		Todd Martin, Claypool, IN	HO	457	29,067	1,153	4.0	922	3.2	5.7	31,490
285	*	Peck Farms, Chippewa Falls, WI	HO	214	29,149	1,168	4.0	893	3.1	5.6	31,489
286		Brent & Carrie Pollard, Rockford, IL	HO	68	27,243	1,213	4.5	897	3.3	5.8	31,479
287		Mike Bosscher, McBain, MI	HO	70	28,648	1,150	4.0	940	3.3	5.7	31,451
288	*	Brad Smith, Homer, MI	HO	200	28,230	1,182	4.2	899	3.2	5.7	31,415
289	*	Second Look Holsteins LLC, Eden, WI	HO	1,407	28,396	1,171	4.1	909	3.2	5.7	31,404
290		Andrew Ramer, New Paris, IN	HO	228	28,857	1,157	4.0	908	3.1	5.7	31,366
291		Ron Folkema, Fremont, MI	XX	1,032	28,307	1,182	4.2	888	3.1	5.7	31,356
292	*	Foresight Farms LLC, Decorah, IA	HO	1,255	28,120	1,175	4.2	907	3.2	5.7	31,350
293		Stanley Ferris, Cement City, MI	XX	169	28,551	1,170	4.1	893	3.1	5.7	31,319
294	*	Leroy Maassen, Maurice, IA	HO	2,103	28,079	1,174	4.2	906	3.2	5.7	31,316
295	*	Liquid Coin Dairy LLC, Milladore, WI	HO	804	27,482	1,224	4.5	846	3.1	5.7	31,309
296		Jesse & Rachel Thoma, Manawa, WI	HO	82	27,480	1,195	4.3	894	3.3	5.7	31,300
297	*	William & Kathy Langreck, West Union, IA	HO	131	28,479	1,147	4.0	930	3.3	5.7	31,281
298		Ron Brinks, McBain, MI	HO	118	27,644	1,177	4.3	912	3.3	5.7	31,259
299	*	Bill Deruiter, Marion, MI	HO	449	28,276	1,156	4.1	916	3.2	5.7	31,224
300		Greg & Rosie Piggott, Waukon, IA	HO	99	27,579	1,157	4.2	938	3.4	5.7	31,177
301		Raymond Dairy Inc, New Richmond, WI	HO	91	28,682	1,139	4.0	921	3.2	5.6	31,175
302	*	Krzewina Farms, Crivitz, WI	HO	807	28,977	1,159	4.0	874	3.0	5.6	31,171
303		Leander Coblentz, Durand, WI	HO	74	27,458	1,181	4.3	897	3.3	5.7	31,135
304		Randy & Michelle Buehne, Highland, IL	XX	38	27,723	1,170	4.2	902	3.3	5.7	31,117
305	*	Craig & Sarah Thiel, Hilbert, WI	HO	494	29,051	1,164	4.0	855	2.9	5.5	31,114
306		Golden Sun Dairy LLC, Shiocton, WI	HO	219	26,816	1,196	4.5	891	3.3	5.7	31,073
307	*	Cole Riverview Farms, Bancroft, MI	HO	363	28,806	1,138	4.0	902	3.1	5.6	31,057
308		Feider Farms LLC, New Holstein, WI	HO	497	28,070	1,161	4.1	894	3.2	5.6	31,053
309		William Fabry, Oconto Falls, WI	HO	143	27,205	1,181	4.3	895	3.3	5.7	31,037
310		Cynthia Waegli & Chris Utke, Clintonville, WI	HO	254	27,936	1,147	4.1	908	3.3	5.6	30,935
311		Mike Quilling, Menomonie, WI	HO	50	26,144	1,186	4.5	917	3.5	5.8	30,923
312		Steve & Doug Kamphuis, Brandon, WI	HO	333	27,818	1,153	4.1	901	3.2	5.6	30,920
313		Morgan Long, Brillion, WI	HO	116	28,120	1,155	4.1	884	3.1	5.6	30,915
314	*	Brand Dairy Farm, Waterloo, IN	HO	394	26,983	1,169	4.3	906	3.4	5.7	30,893
315		Billy Zeimet, New London, WI	HO	57	27,349	1,154	4.2	909	3.3	5.7	30,841
316	*	Quality Dairy, Luxemburg, WI	HO	2,444	27,896	1,150	4.1	887	3.2	5.6	30,800
317		Kemridge Farm 2 Inc, Westfield, WI	HO	330	28,029	1,140	4.1	896	3.2	5.6	30,783
318		Keith Martin, Au Gres, MI	HO	183	28,085	1,131	4.0	908	3.2	5.6	30,776
319		Eric Zutz, Valders, WI	HO	72	29,236	1,128	3.9	862	2.9	5.5	30,762
320		Don Grezeszak, Whittemore, MI	HO	719	25,984	1,215	4.7	852	3.3	5.7	30,749
321		Ronald & Nancy Felten, St. Cloud, WI	HO	475	28,851	1,072	3.7	971	3.4	5.6	30,745
322		Rolling Valley Jerseys, Waterville, IA	XX	28	25,736	1,196	4.6	893	3.5	5.7	30,735
323		Arlen Zimmerman, Cass City, MI	HO	222	26,315	1,190	4.5	876	3.3	5.7	30,717
T		Chuck & Judy Kehl, Lena, WI	HO	203	27,527	1,160	4.2	875	3.2	5.6	30,717
325	*	Kohn Dairy LLC, Cecil, WI	HO	279	27,807	1,165	4.2	854	3.1	5.5	30,713
326		R A Schanbacher Inc, Newhall, IA	HO	146	28,428	1,118	3.9	906	3.2	5.5	30,705
327	*	Matt & Michelle Byrnes, Dorchester, IA	HO	206	30,276	1,088	3.6	874	2.9	5.4	30,676
328		Jeff Wegner, Marion, WI	HO	76	26,807	1,143	4.3	927	3.5	5.7	30,659
329		Fisk Farms, Sand Lake, MI	XX	362	28,346	1,126	4.0	889	3.1	5.5	30,652
330		C & J Farms Inc, Bear Creek, WI	HO	337	27,906	1,152	4.1	863	3.1	5.5	30,646
331		Gary Sulzer, Marathon, WI	HO	78	25,583	1,196	4.7	883	3.5	5.7	30,609
332	*	Way Morr East LLC, Greenleaf, WI	HO	407	28,542	1,134	4.0	858	3.0	5.5	30,582
333	*	Thuemmel Dairy, Port Austin, MI	HO	674	28,302	1,115	3.9	898	3.2	5.5	30,564
334	*	Oesch Swisslane, Alto, MI	HO	1,852	26,294	1,175	4.5	882	3.4	5.6	30,562
335	*	Erdman Dairy, Chenoa, IL	HO	645	27,205	1,163	4.3	859	3.2	5.5	30,528
336	*	Paul L Zimmerman, Decker, MI	HO	212	27,245	1,149	4.2	873	3.2	5.5	30,467
T	*	Tom Rahmlow, Mishicot, WI	HO	1,325	26,920	1,156	4.3	875	3.3	5.6	30,467
338	*	Dairy Queens, Hartford, WI	HO	853	26,846	1,161	4.3	869	3.2	5.6	30,461
339	*	Noll Farms, Coleman, WI	HO	707	29,706	1,080	3.6	883	3.0	5.4	30,455
340		Mark & Ellen Schaefer, West Bend, WI	HO	174	27,716	1,122	4.0	894	3.2	5.5	30,432
341		Lin-Lea Farms Inc, Mound City, KS	HO	143	26,508	1,166	4.4	870	3.3	5.6	30,423
342		Bob Baker, Hastings, MI	HO	107	27,607	1,131	4.1	882	3.2	5.5	30,421
343		Ephraim & Esther Martin, Sheridan, MI	HO	132	27,436	1,157	4.2	845	3.1	5.5	30,419
344	*	Jeremy Beebe, Whittemore, MI	HO	137	26,705	1,159	4.3	870	3.3	5.6	30,397
345		Johnson Family Dairy LLC, Juda, WI	HO	95	26,815	1,138	4.2	900	3.4	5.6	30,391
346		Jason M Hoover, Goshen, IN	HO	224	26,534	1,160	4.4	872	3.3	5.6	30,369
347	*	Doug Fairbanks, Anamosa, IA	BS	84	25,519	1,188	4.7	865	3.4	5.6	30,347
348		I O State Dairy, Ames, IA	HO	398	25,768	1,169	4.5	885	3.4	5.6	30,335
349		Nienhuis Dairy Farm, Zeeland, MI	HO	280	27,129	1,133	4.2	887	3.3	5.5	30,329
350		Jon Kotek, Osage, IA	HO	172	26,339	1,171	4.4	856	3.2	5.6	30,326



	3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
351		Andy Deters Dairy, Vermillion, KS	HO	119	26,495	1,155	4.4	876	3.3	5.6	30,323
352		Marlen Martin, Goshen, IN	HO	507	26,908	1,143	4.2	876	3.3	5.5	30,302
353		Bruce Martin, Whittemore, MI	XX	95	27,553	1,124	4.1	878	3.2	5.5	30,282
354		Conrad Martin, Millersburg, IN	HO	279	28,192	1,099	3.9	890	3.2	5.4	30,259
355	*	River-Bridge LLC, Brillion, WI	HO	267	27,421	1,115	4.1	895	3.3	5.5	30,253
356		Starward Farms, Sebewaing, MI	HO	98	27,155	1,141	4.2	860	3.2	5.5	30,235
357	*	Steve Denning, Jonesville, MI	HO	444	28,145	1,098	3.9	890	3.2	5.4	30,231
358		Carson Acres LLC, Hesperia, MI	HO	131	27,057	1,117	4.1	891	3.3	5.5	30,129
359	*	Wallman Dairy, Diller, NE	HO	306	26,470	1,121	4.2	902	3.4	5.5	30,073
360		Matt Schelling, Orange City, IA	HO	131	25,288	1,177	4.7	857	3.4	5.6	30,067
361		David & Peter Score, Boyceville, WI	HO	119	26,026	1,148	4.4	873	3.4	5.5	30,056
362		Boogerd Dairy, Hull, IA	HO	921	26,967	1,126	4.2	869	3.2	5.5	30,048
363	*	Pinecreek Farms, Medford, WI	HO	349	27,505	1,118	4.1	859	3.1	5.4	30,044
364		Mitchell Schaefer, Chilton, WI	HO	286	27,523	1,119	4.1	851	3.1	5.4	30,001
365		Allen Martin, Goshen, IN	HO	752	26,674	1,125	4.2	877	3.3	5.5	30,000
366		Mark Wilcox, Marcus, IA	HO	95	26,710	1,120	4.2	874	3.3	5.5	29,924
367		Kurt Leerhoff, Clarville, IA	HO	65	26,339	1,139	4.3	857	3.3	5.5	29,919
368		Andy Lodahl, Theresa, WI	HO	342	26,649	1,127	4.2	861	3.2	5.4	29,896
369		Matt & Joe Engel, Hampshire, IL	HO	148	25,874	1,146	4.4	860	3.3	5.5	29,881
370		Homer & Frank Doll, Pocahontas, IL	HO	214	26,602	1,118	4.2	876	3.3	5.5	29,878
371	*	Omro Dairy, Kaukauna, WI	XD	3,237	23,286	1,183	5.1	899	3.9	5.7	29,812
372		Tim Bates, Elmwood, WI	HO	92	25,712	1,152	4.5	845	3.3	5.5	29,790
373	*	Lavern Martin, Conrath, WI	HO	192	26,583	1,129	4.2	845	3.2	5.4	29,777
374	*	Brown-Star Farm LLC, Gillett, WI	HO	592	25,944	1,135	4.4	862	3.3	5.5	29,776
375		Neal Boeke, Juda, IL	HO	153	26,349	1,119	4.2	871	3.3	5.5	29,770
376		Ravendale Farm, Freeburg, IL	HO	171	28,157	1,079	3.8	861	3.1	5.3	29,767
377	*	Ken McBroom, Vulcan, MI	HO	140	26,815	1,111	4.1	864	3.2	5.4	29,766
378		Anthony Knorn, Casco, WI	HO	279	26,881	1,105	4.1	870	3.2	5.4	29,755
379		Seth & Jacqueline Huizenga, Brandon, WI	HO	149	26,646	1,107	4.2	876	3.3	5.4	29,750
380	*	Sand Creek Dairy LLC, Hastings, MI	JE	357	23,682	1,180	5.0	879	3.7	5.6	29,749
381		Keith & Nicole Nettekoven, Menasha, WI	HO	121	26,222	1,141	4.4	834	3.2	5.4	29,731
382		Smith Family Dairy, Winnebago, IL	HO	111	26,190	1,132	4.3	849	3.2	5.4	29,718
383		Tom Knegendorf, Spring Valley, WI	HO	44	25,666	1,140	4.4	857	3.3	5.5	29,712
384		Jeff & Ted Domeyer, Holy Cross, IA	HO	282	26,377	1,106	4.2	883	3.3	5.4	29,703
385		Schultz Brothers Dairy, Freeman, SD	HO	2,386	26,423	1,118	4.2	857	3.2	5.4	29,674
386		McCayland Farm, Tippecanoe, IN	HO	149	26,124	1,128	4.3	848	3.2	5.4	29,637
387		Carl & Lisa Mensen, Guttenberg, IA	HO	81	26,132	1,134	4.3	835	3.2	5.4	29,618
388		Alden Arthur, Sumner, IA	HO	115	27,080	1,078	4.0	881	3.3	5.4	29,555
389		Emerald-Acres, De Pere, WI	HO	570	26,352	1,105	4.2	858	3.3	5.4	29,491
390	*	Grand River Grain LLC, Coopersville, MI	HO	1,062	26,559	1,096	4.1	863	3.2	5.4	29,480
391		Wolf Dairy LLC, Epworth, IA	XX	273	26,890	1,103	4.1	835	3.1	5.3	29,465
392		A G Wiles, Middleton, MI	HO	157	27,075	1,075	4.0	869	3.2	5.3	29,423
393		Philip Vruwink, Arpin, WI	HO	155	25,844	1,114	4.3	855	3.3	5.4	29,418
394		Kohake Dairy Farm, Centralia, KS	HO	123	25,877	1,096	4.2	883	3.4	5.4	29,410
395	*	Roos Farms LLC, Amery, WI	HO	107	26,206	1,095	4.2	869	3.3	5.4	29,397
396	*	Friesen Legacy Farm, LLC, Perrinton, MI	HO	484	25,828	1,142	4.4	803	3.1	5.3	29,378
397		Oneeda Farms LLC, Syracuse, IN	HO	183	26,095	1,095	4.2	870	3.3	5.4	29,369
398		Carrie Peissig, Loyal, WI	XX	57	26,312	1,112	4.2	831	3.2	5.3	29,362
399		Twin River Dairy Inc, Freeport, MI	XX	437	24,231	1,162	4.8	834	3.4	5.5	29,352
400	*	Jim & Dorothy Meissner, Minden City, MI	HO	1,002	27,772	1,059	3.8	856	3.1	5.2	29,344
401	*	Crossroads Dairy LLC, Postville, IA	HO	549	27,211	1,076	4.0	851	3.1	5.3	29,342
402		Wichman Farms Inc, Appleton, WI	HO	299	27,134	1,079	4.0	843	3.1	5.3	29,295
402	*	Grass Ridge Farm LLC, Pittsville, WI	JE	141	22,440	1,181	5.3	868	3.9	5.6	29,272
404		David Martin, Fenwick, MI	HO	67	24,486	1,154	4.7	826	3.4	5.4	29,270
405	*	Bob Seiler, Valley Center, KS	HO	135	27,545	1,051	3.8	869	3.2	5.3	29,266
406		Dms Dairy LLC, Wakarusa, IN	HO	348	24,717	1,122	4.5	869	3.5	5.5	29,260
407		Mcculloch Farms, Rockford, IL	HO	81	26,013	1,114	4.3	824	3.2	5.3	29,236
408		Jon Nielsen, Walker, IA	HO	85	26,803	1,085	4.0	835	3.1	5.3	29,203
409		McAllister Family Dairy LLC, New Vienna, IA	JE	43	22,303	1,202	5.4	829	3.7	5.6	29,201
410		Hardscrabble Farms, Jim Falls, WI	HO	122	25,871	1,095	4.2	849	3.3	5.3	29,135
411		Jeff Janke, Alma Center, WI	HO	129	25,168	1,114	4.4	843	3.3	5.4	29,105
412		Mike Schultz, Eden, WI	HO	183	25,505	1,126	4.4	807	3.2	5.3	29,095
413	*	Walt & Denise Den Hoed, Frederic, WI	HO	519	26,123	1,075	4.1	865	3.3	5.3	29,081
414		Darga Farms, Pound, WI	XX	326	24,539	1,148	4.7	809	3.3	5.4	29,080
415		Eric Schoenfuss, Edgar, WI	HO	36	26,514	1,058	4.0	876	3.3	5.3	29,073
416		Ronald Knoelke, Cascade, WI	HO	321	26,963	1,053	3.9	864	3.2	5.3	29,063
417		Austin & Ellie Webster, Greenleaf, WI	HO	295	25,074	1,121	4.5	829	3.3	5.3	29,058
418		Twinkle-Hill Brown Swiss, Watertown, WI	BS	53	25,048	1,105	4.4	855	3.4	5.4	29,041
419		Orville Miller, Hutchinson, KS	HO	165	26,018	1,083	4.2	845	3.2	5.3	28,997
420		Jack Evans, Sanford, MI	HO	87	26,225	1,059	4.0	874	3.3	5.3	28,976

TOP 20% ECM HERDS

TOP 20% ECM HERDS

	3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
421		Tony Siddens, Mason, IL	HO	132	26,429	1,066	4.0	851	3.2	5.3	28,957
422		Sky Line Acres LLC, Merrill, WI	HO	384	26,293	1,074	4.1	843	3.2	5.3	28,955
423		Elusive HIll Dairy LLC, Marshfield, WI	HO	1,094	25,908	1,088	4.2	833	3.2	5.3	28,933
424		Jake & Colleen Thostenson, Brodhead, WI	HO	136	26,454	1,042	3.9	887	3.4	5.3	28,930
425		Wesley B Horst, Spencer, WI	HO	60	26,947	1,070	4.0	816	3.0	5.2	28,911
426		Charlie Wild, Antigo, WI	HO	298	25,488	1,090	4.3	842	3.3	5.3	28,891
427		Eric Gaul, Farley, IA	XX	148	24,684	1,121	4.5	819	3.3	5.3	28,854
428		Derrick Nelson, Eau Claire, WI	HO	197	25,197	1,105	4.4	824	3.3	5.3	28,853
429	*	Petro Farms, Gobles, MI	XX	35	26,042	1,060	4.1	864	3.3	5.3	28,852
430	*	Sue-Dan Farms, Inc, Bloomer, WI	HO	48	26,569	1,072	4.0	820	3.1	5.2	28,843
431		Wolf Farms LLC, Bonduel, WI	HO	278	26,873	1,066	4.0	815	3.0	5.2	28,827
432		Roger Sprakel, Crofton, NE	HO	100	25,750	1,067	4.1	860	3.3	5.3	28,817
433		Probstland Dairy, Wheeler, IL	HO	397	25,611	1,090	4.3	824	3.2	5.2	28,794
434		Martha Imhoff, Goshen, IN	XX	63	24,863	1,136	4.6	777	3.1	5.2	28,785
435	*	Jeff Tiemersma, Jansen, NE	HO	448	26,932	1,029	3.8	868	3.2	5.2	28,773
436		Joel Brubaker, Fenwick, MI	HO	79	26,085	1,068	4.1	836	3.2	5.2	28,756
T		Mervin R Brubaker, Milton, IA	HO	110	26,392	1,065	4.0	828	3.1	5.2	28,756
438		Cal & Barb Marshall, Lupton, MI	XX	732	24,785	1,140	4.6	763	3.1	5.2	28,705
439	*	Erdman Dairy, Chenoa, IL	XX	34	24,566	1,123	4.6	801	3.3	5.3	28,704
440		Mike Richards, Fairbank, IA	HO	135	26,288	1,070	4.1	815	3.1	5.2	28,687
441		Beattie Dairy Farm, Holton, MI	HO	205	25,037	1,097	4.4	820	3.3	5.3	28,666
442		R & E Farms Inc, Kaukauna, WI	HO	628	25,064	1,103	4.4	808	3.2	5.2	28,661
443		Tom Byl-Rose Vanderzwan, Brownsville, WI	HO	634	24,889	1,125	4.5	778	3.1	5.2	28,659
444		Ralph Smith, Wittenburg, WI	HO	54	25,947	1,079	4.2	810	3.1	5.2	28,654
445		MPM Farms, Wayne, NE	HO	2,279	26,127	1,042	3.9	878	3.3	5.3	28,632
446		Brown Dairy Farm Inc, Sandusky, MI	HO	135	25,978	1,078	4.1	807	3.1	5.2	28,628
447		Tom & Jeni Melcher, Castalia, IA	XX	95	25,864	1,072	4.1	821	3.2	5.2	28,621
448		Troy Pauli, New Glarus, WI	HO	42	25,930	1,043	4.0	867	3.3	5.2	28,619
449		Dick Fettig, Petoskey, MI	HO	179	26,294	1,036	3.9	852	3.2	5.2	28,532
450	*	Gary & Darlene Kregel, Guttenberg, IA	XX	440	23,466	1,141	4.9	795	3.4	5.3	28,531

Smarter CALF CARE with CowManager

COWMANAGER®

Technology is helping Hanke Farms take calf care to the next level. At the sixth-generation dairy in Sheboygan Falls, Wis., CowManager® is proving just as valuable for the youngstock as it has been for the cows.

Now in its sixth generation, the Hanke and Taylor family milk 900 cows and raise all their youngstock. In summer 2024, the farm expanded its use of CowManager, to include the new Youngstock Monitor.

"With CowManager tags on the calves, we can treat them faster, especially in our post-weaning group," said co-owner Heidi Taylor. "We catch pneumonia quicker and get those calves treated quicker. Monitoring all of the youngstock has been more efficient because we don't have to look at every calf every day. We just look at the animals CowManager tells us to, saving us all a lot of time."

One of Heidi's favorite new CowManager features is Find My Cow Flash, which helps locate individual animals quickly. The built-in LED light on each CowManager tag can be activated from the app or desktop. Once turned on, the flashing light on the tag makes it easy to identify the right cow, heifer, or calf for treatment, breeding, or sorting.

"It's definitely saved us time, labor, and money because we can locate the animal faster thanks to the flashing light," Heidi said. "The flashing light saves us from having to check every animal's ear tag. It's easy to spot from a distance as the light is very bright."

Installed in February 2022, CowManager has proven its value in the cow herd at Hanke Farms. The system has helped produce healthier, longer-living cows while reducing the need for synchronization.

"We're spending only half of what we used to on synchronization shots," said co-owner and herd manager Doug Taylor. "We have more older cows now because they're getting pregnant sooner, and we find sickness quicker, which has prolonged the life of our cows. With CowManager we've been able to catch ketosis earlier than before, which helps reduce DAs. Over the last couple of years, we've cut our DAs in half by being able to catch these cows early enough to get them treated."

Although initially concerned about another investment, co-owner Jack Hanke admits CowManager has been a great decision. "At first, I was a bit negative about more money leaving the checkbook, but now I see firsthand that this technology is really pretty awesome," Jack said. "The system is very accurate. CowManager is a success here!"

For Hanke Farms, CowManager continues to deliver time savings, herd health improvements, and helps every animal reach its potential. "It definitely is a benefit to our farm, and we are so glad that we expanded CowManager to our youngstock," said Heidi.

Pictured (above): Back, CentralStar team members Mike Kutz, Matt Cracraft, and Scott Hecker; Jack Hanke, CentralStar Team Leader Jordan Freund. Front, Amanda Denhof, Dorene Hanke, Heidi Taylor, Doug Taylor, CentralStar Reproductive Specialist and Genetic Consultant Joe Schuh.

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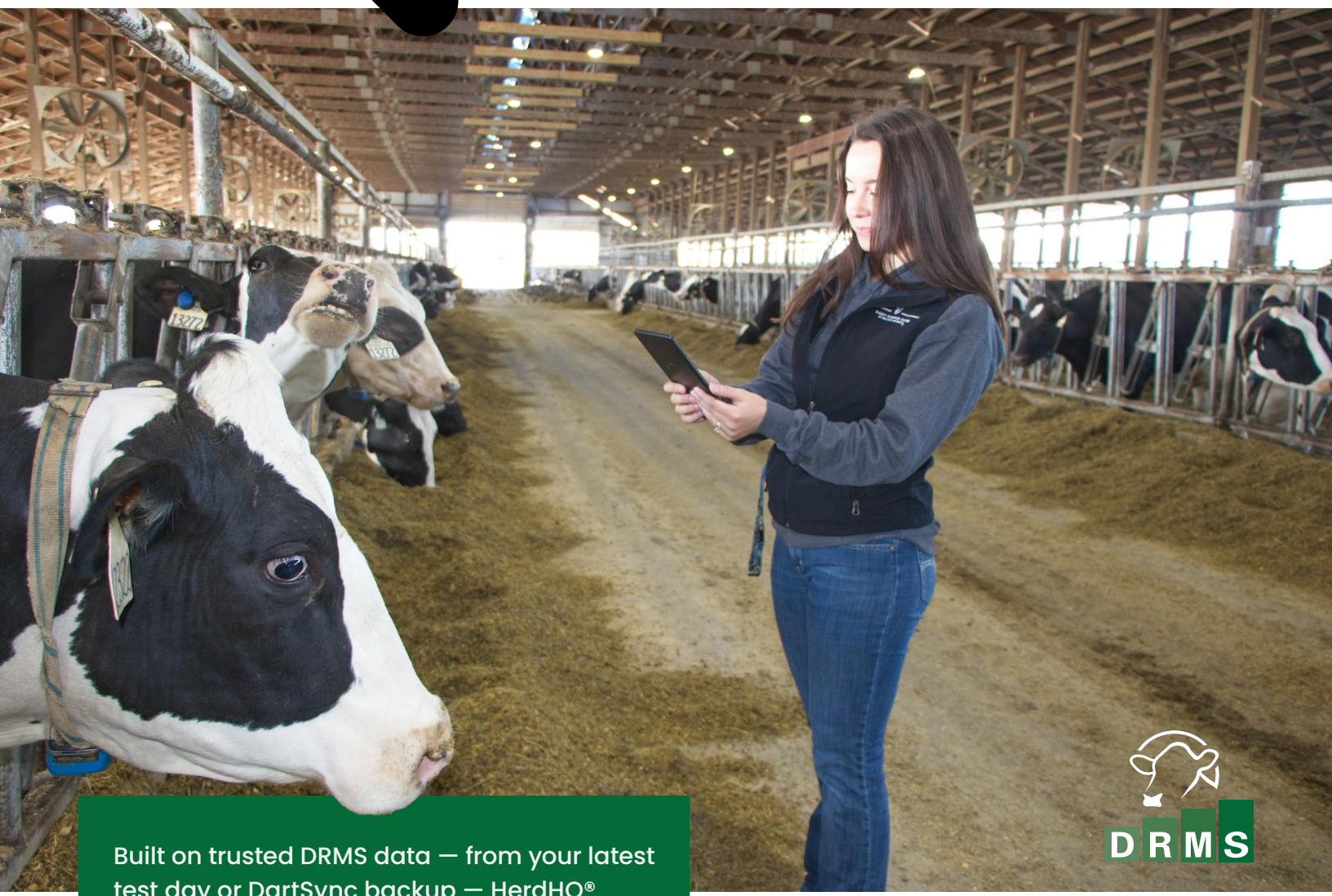
HERDHQ

YOUR DAIRY DECISION PLATFORM



Built on trusted DRMS data — from your latest test day or DartSync backup — HerdHQ® delivers fast, visual insights that help producers and consultants make confident, informed decisions. Whether you're spotting herd trends, fine-tuning performance, or catching problems early, HerdHQ makes it easier to act on what matters most. And it's accessible anytime, on any device — backed by DRMS and your local DHIA service affiliate.

See What's Happening in Your Herd with HERDHQ.

CentralStar

AWARD REPROSTAR WINNERS

This year's ReproStar Award winners showcase excellence in reproduction. Four herds, including three cow herds and one heifer-herd, are featured in our roundtable. The cow herds excel in managing mature cows and efficient breeding strategies. Our heifer-herd winner sets a high bar with exceptional sexed-semen usage and low non-completion rates, ensuring youngstock reach their full potential.

A separate feature for our new "Most Improved" award recognizes a herd that made remarkable gains, achieving significant progress in pregnancy rate through expansion, strategic management, and breeding practices.

Established in 1863, **Wayside Dairy, LLC**, Greenleaf, Wis., is now a fifth-generation dairy farm that is home to 2,600-cows. Jeremy Natzke oversees the herd and works closely with the staff who care for the cows. Jenna Nonemacher manages the office and human resources, while Jesse Dvorachek oversees feed procurement and works with Dan Natzke to manage and harvest the crops. They milk in a double-28 parallel parlor and crop 3,300 acres of corn, alfalfa, wheat, and soybeans. Calves are raised off-site, returning to the dairy around 120 days into their first pregnancy. CowManager® is used in the cow herd for monitoring health and fertility.

Hi-Tower Farms, Valders, Wis., is a fourth-generation dairy with more than 100 years of history. The 520-cow dairy raises heifers on-site. Along with the dairy, the family crops 1,100 acres of corn, soybeans, alfalfa, and wheat. Facilities include a parallel parlor and free-stall barn built in 2010, with a tunnel-vent barn added in 2015 for dry cows and maternity pens. CowManager is used on both the heifers and cows to monitor health and reproduction.

Built in 1947 by Scott Murphy's grandfather with just 50 cows, **Murph-Ko Farms Inc.,** Eden, Wis., has grown to a 2,000-cow operation. Cows are milked in a double-23 parallel parlor, with an expansion underway to a double-35 and room to extend to a double-50. Heifers are raised off-site and return about two months prior to calving. The farm grows its own feed and has utilized an electronic-monitoring system for more than a decade.

McFarlandale Dairy, LLC, Watertown, Wis., is a multi-generational family operation dating back to 1852. Fifth- and sixth-generation owners Cindy and Peter McFarland and Christine and Robb Bender actively manage the farm. The operation, which spans 1,700 acres, includes 2,100 cows milked at two sites, and 1,100 heifers which are moved to a custom grower at six months of age.

Continued on next page...

WAYSIDE DAIRY, LLC

37% PREGNANCY RATE 3+ LACTATION

38% PREGNANCY RATE

45% HERD 3+ LACTATION

Pictured (right): CentralStar Genetic Consultant Joe Schuh; CentralStar A.I. Specialist Garret Carnahan; Owners Jenna Nonemache, Jeremy Natzke, Dan Natzke; CentralStar Team A.I. Technician Tyler Vande Wettering.

DAN AND JEREMY NATZKE, JENNA NONEMACHER, AND JESSE DVORACHEK - GREENLEAF, WIS.

ETHAN AND LOREN ULNESS, AND AJ MANKE - VALDERS, WIS.

HI-TOWER FARMS

33% PREGNANCY RATE 3+ LACTATION

34% PREGNANCY RATE

47% HERD 3+ LACTATION

Pictured (left): CentralStar Reproductive Specialist and Genetic Consultant Joe Schuh, Owner Ethan Ulness; Owner AJ Manke; CentralStar A.I. Specialist Scott Woepse; Owner Loren Ulness.

What is your reproductive protocol, and what led you to this approach?

Jeremy Natzke, Wayside Dairy: "All cows have CowManager® tags. First service is strictly double-Ovsynch; all resynchronizations we use CowManager. Cows without a CL get a CIDR® and GnRH, then prostaglandin one week later. First-lactation voluntary-waiting-period (VWP) is 73 days, second- and greater-lactation is 80+ days. We moved it back about a year ago to get another week's worth of milk out of the cows, because they're conceiving so well and some are still milking 90+ pounds at dry off. We really focus on compliance; following the program and giving the correct shots to the cows is vital.

Choosing this program was a financial decision, made with input from our vet, nutritionist, and breeder. We relied on the University of Wisconsin-Madison research, especially Dr. Paul Fricke. The data for double-Ovsynch is excellent; it gets cows into an extra heat, cleans them up, and ensures the uterus is ready for the next calf. It's a rock-solid program."

Ethan Ulness, Hi-Tower Farms: "We use a presynch-Ovsynch program, which we implemented upon moving into our new facility. We added CowManager about four years ago to catch repeat breeders and improve fresh-cow health, which in turn helps breeding. Heifers calve in at 23.3 months; we're aggressive but give them an extra week before breeding. AJ (Manke), our herdsman, handles herd checks and breeding, supported by a full-time employee for shots, keeping the program consistent. We also work closely with our nutritionist and vet team to monitor body condition and overall herd performance.

We started using genomics about four years ago to accelerate genetic gain and remove problem cows, focusing on strong, shorter-stature cows that fit our parlor better."

Scott Murphy, Murph-Ko Dairy: "We run a presynch-Ovsynch program. It starts at 45 days with the first shot of lute, and everything is time-bred off the Presynch. First breeding is at 78 days, to let cows go through the first couple heats. After that, we follow the SCR program.

The biggest difference in results is having a good breeding team. Kenny (Montsma, CentralStar A.I. Specialist) and his team do an awesome job. We breed twice a day: morning and afternoon-clean-up. Consistency is key."

Christine Bender, McFarlandale Dairy: "We have a VWP of 405 days for heifers. We use an aggressive 5-day CIDR®-synch program, breeding 100% of heifers within seven days of the VWP. After that, we heat detect and rebreed with first pregnancy checks by ultrasound at 28–29 days. The vet makes the final call on pregnancy status and whether a re-CIDR synch is needed.

Heat detection is the quickest non-pregnancy diagnosis in the industry, and our goal is a high-service rate and high-conception rate. We implemented this high-fertility program about four years ago by working with Dr. Milo Wiltbank and Dr. Paul Fricke from the University of Wisconsin-Madison."

How do you decide your VWP?

Wayside: "Conception definitely plays a factor. When our conception rate was lower, I wanted to start earlier so cows didn't get too far out. How well they do in the transition also matters. We have a very low metritis rate, which allows us to be flexible with VWP."

Hi-Tower: "VWP is 78 days for second lactation and 85 days for first lactation cows. We switched to that five years ago, giving first-lactation cows an extra week to transition into the milking herd while still growing. We've definitely seen positive results in first-lactation cows for pregnancy, conception, and peak milk since adjusting it."

Murph-Ko: "We were at 60 days, and with input from Ken and the vet, we pushed it back to 78 days. We did that because of peak milk production. We didn't feel we were getting enough bred. That change really helped the cows come around and improved pregnancy rates."

McFarlandale: "We decided our VWP based on heifer weights at birth, weaning, and six months, and what we expect will grow them into mature, appropriately-sized heifers."

What's your breeding strategy?

Wayside: "We genomic test all heifer calves we raise and use those results for future breedings. Our poorer-genetic

animals are bred to beef; higher-genetic animals are bred to sexed semen. Decisions depend on eligible uteruses to be used for creating pregnancies.

For first-lactation heifers, we push as much sexed semen as we can to reach our target of 85 heifer calves born per month. For our higher-genetic second-lactation and -greater cows, we use sexed semen once, then breed to beef after that. The higher genetic virgin heifers and first-lactation cows get bred twice to sexed semen, then beef after that. Cows can be bred up to five times, and then coded as Do Not Breed (DNB)."

Hi-Tower: "We use genomic data in our breeding strategy, focusing on Net Merit and Dairy Wellness Profit Dollars® (DWP$®). For lactating cows, 30% are bred with sexed semen twice, 20% are bred with sexed semen once, and 50% are bred to beef semen. Individual-animal genomic data guides more specific decisions on culling and selling animals.

Using genomic data has helped us increase the average age in the herd. High-genetic mature cows still get sexed semen. We sell a fair number of dairy replacements and maintain a 50-animal security cushion in youngstock."

Murph-Ko: "Andrea (Gruetzmacher, CentralStar Genetic Consultant) handles all the mating and does an outstanding job getting us the kind of cows we need. We've been genomic testing for about four years. Andrea and Flabio (Silvestre, Zoetis) use that data to decide how many heifers we need each month. Animals with the highest DWP$ are bred to create replacement females.

We breed everything to either sexed or beef semen, no conventional semen. I want the perfect all-around cow: high milk, not big and awkward. We just signed up for NxGEN® to access better bulls earlier and continue improving our herd."

McFarlandale: "Heifer calves are genomic tested at birth. Genomic information guides how many times an animal gets bred to sexed semen, but typically it's twice, and then they are bred to beef. The vast majority of our future herd comes from these heifers, so we want to use the best sexed genetics possible."

How do nutrition and transition support your repro program?

Wayside: "They play a huge role in how a cow does throughout her lactation. Keeping calcium levels high and feeding high-quality, highly-digestible forage supports her success. For a smooth transition from dry to pre-fresh to freshening, we keep cows eating and healthy, monitoring rumination closely. If rumination is abnormal, then cows need to be checked. With CowManager transition alerts, we can detect issues before they visibly show and give the cow the TLC she needs. If alerts come up, we set headlocks, check manure, temperature, and ears. After calving, cows get at least one calcium bolus, with more for hard calvings or other issues. We monitor temperature for the first seven days and mark cows with a slight fever for extra attention. Milk fever is treated with an IV or bolus of calcium. It's all about keeping cows healthy so reproduction is supported."

Hi-Tower: "It plays a huge role. If a cow isn't healthy, she won't breed back. It starts with nutrition; healthy cows are more likely to conceive. Steve Woodford with Nutritional Professionals helps us stay ahead of problems.

CowManager helps us catch transition issues like ketosis or mastitis early, so cows recover faster. We also consult with our vets and Scott (Woepse, CentralStar A.I. Specialist) to make adjustments if cows don't have good tone at breeding time. Communication ensures everyone is on the same page."

Murph-Ko: "One big thing we do is move cows very little. Once they leave the fresh pen, they stay in the pen we put them in. Keeping metabolic issues low prevents problems in the fresh group and helps cows maintain weight before calving. We also keep free stalls clean to reduce mastitis. Udder health is crucial."

McFarlandale: "We have a passionate youngstock team. All wet calves are raised on-site up to six months. Our accelerated-feeding program includes feeding milk replacer three times a day to meet growth goals. Our new calf facilities and low health incidence give us very high survival rates. Once calves are started correctly, the rest is easier."

Continued on next page...

MURPH-KO FARMS INC.

43% PREGNANCY RATE 3+ LACTATION

47% PREGNANCY RATE

52% HERD 3+ LACTATION

Pictured (right): Back, CentralStar A.I. Specialisit Ken Montsma; Veterinarian Mark Sosalla; Brian Murphy, Erin Murphy, Scott Murphy, Kyle Murphy; CentalStar A.I. Specialisits Vanessa Ponterio and Bryce Buchda; Nutritionist Conner Willems. Front, Tom and Patty Murphy.

SCOTT, ERIN, BRIAN, TOM, AND PATTY MURPHY - EDEN, WIS.

CINDY AND PETER MCFARLAND, ROBB AND CHRISTINE BENDER - WATERTOWN, WIS.

MCFARLANDALE DAIRY, LLC

51% HEIFER PREGNANCY RATE

60% HEIFER CONCEPTION RATE

Pictured (left): Back, Dr. Rob Farruggio, Jefferson Vet Clinic; CentralStar Team Leader Dave Sattler; Don Schumann; CentralStar A.I. Specialist Dennis Gunst. Front, Susie Schuld, Jefferson Vet Clinic; Sydney Kurth; Owner Christine Bender.

Do you manage groups differently to support reproduction?

Wayside: "We have two pens strictly for first-lactation cows, feeding a higher-protein diet for better milk and keeping them in groups to avoid boss cows pushing them around. We also have a pen just for DNB or pregnant cows, so breeders don't have to look for cows in that pen. We appreciate cows in their fourth-plus lactation, because they are solid, profitable cows."

Hi-Tower: "We feed a higher-protein diet to fresh and early-lactation cows, than we do to older cows. We've been doing this for over five years."

Murph-Ko: "No, we treat all groups the same. It's easier for the staff to be consistent from pen to pen."

McFarlandale: "From a nutrition standpoint, we group calves by age. We weigh them at birth, weaning, and six months to keep track of their progress. We take blood samples to measure total protein and perform lung ultrasounds to monitor respiratory health, giving each calf individual attention, as needed."

How do you measure repro success?

Wayside: "Pregnancy rate is a big one, because it combines conception, VWP, and eligible cows to become pregnant. We also look at conception rates by breeding codes to evaluate each program and see if there's something we need to tweak or look at handling processes.

We review these numbers in quarterly financial meetings and every other month with middle managers, looking at DAs, ketosis, milk fever, and calf survival. These meetings allow us to know how we are doing and give us a chance to discuss if changes need to take place to make improvements."

Hi-Tower: "We've always aimed for a 30% pregnancy rate, the old 30/30 benchmark, but now we're looking for a 35% pregnancy rate with the advancements in the breed. We track services per conception by different technicians and breeding methods to catch any changes."

Murph-Ko: "We rely on pregnancy rate and services per conception, monitoring them monthly. I get two reports monthly from the vet and the nutritionist. If something isn't working, the nutritionist, vet, and breeder work together, but we haven't needed to do that in a long time."

McFarlandale: "We've been an expanding dairy for the past 10 years. We have a strong heifer program with everything bred within seven days of our VWP. We know our service rate is high, so we mainly monitor overall pregnancy rate. Typically, we hit 50% pregnancy rate and 60% first-service-conception rate with sexed semen.

Our success comes from a great team. Dennis (Gunst, CentralStar A.I. Specialist) handles all the breeding and does a phenomenal job. Don (Schumann), our heifer grower, plays a key role, and Dr. Rob (Farruggio, DVM, Jefferson Vet Clinic) supports health protocols. Along with the farm team caring for calves daily, Robb (Bender) managing nutrition, and Dr. Jon (Garber, DVM) monitoring heifers and alerting us of any issues, it's a complete team effort that catches problems early, keeps health issues low and survival rates high."

What role does CentralStar play?

Wayside: "CentralStar plays a huge role in our success. We have some really dedicated breeders that are here every single day, monitoring CowManager to see who needs to be bred. They handle mating services, deciding which cows get sexed or beef semen, compiling numbers, managing semen delivery, and maintaining CowManager tags. They really care about the dairy, and it plays a huge role in the success of our reproduction program."

Hi-Tower: "CentralStar plays a big role. They are involved from start to finish in our breeding program. Zoetis and CentralStar work closely together, which is a plus. Joe (Schuh, CentralStar Genetic Consultant) handles matings and works with Cassie (Endres, Zoetis Associate Territory Business Manager Dairy) to get the results we want.

In the past year, we started using NxGEN to rapidly increase genetic gain. We have a team that buys into our program, and that's key. Without it, timing, consistency, and results will struggle."

Murph-Ko: "CentralStar is involved throughout our entire program, from matings to breeding. We use CentralStar 100%, and their support helps keep our reproduction running smoothly."

McFarlandale: "CentralStar handles our genetic selection and the breeding. They are an important part of our team!"

ALLEN, BILL, STEVE, AND NATHAN ABEL - EDEN, WIS.

CentralStar

MOST REPROSTAR IMPROVED

Herd expansion often challenges reproduction, but Abel Dairy Farms of Eden, Wis., turned it into an opportunity. In February 2023, the family grew from about 2,000 cows to 4,500. While such rapid growth can create stress and setbacks, the farm focused on simplifying systems and streamlining processes. The approach has paid off in multiple ways, including the herd's pregnancy rate climbing from 23% to 32% in the past 12 months. For co-owner Steve Abel, the key was building systems that everyone could follow and sticking to them.

"Our biggest breakthrough came when we simplified everything," says Steve. "We got our cows out of lockups, stopped using headlocks for everything except breeding, started giving shots right in the parlor with pulse needle-free injectors, and relied more on sort gates. Blood testing allowed us to quickly identify open cows and immediately enroll them in the resynch protocol. If we just did one of these, it wouldn't have made a difference. Together? That's what changed our results."

Abel Dairy relies on the tail-chalk system and two streamlined breeding protocols: double-Ovsynch for first service and resynch-Ovsynch for open cows, with blood pregnancy testing at 28–34 days to confirm status. The herd has a VWP of 75 days, and weekly manager meetings help ensure protocols are followed consistently. "We don't have elaborate protocols. Simpler is better. The blood test tells us if a cow is open or not, and we stay on the protocol until she's pregnant," Steve explains.

Genomic testing has been a part of the genetic strategy for several years. Every four months, the farm team meets with Zoetis and CentralStar to review performance and adjust breeding strategies, including sexed-semen use, herd-inventory needs, and which traits to prioritize. While the herd predominantly relies on DWP$, trait emphasis is adjusted based on genomic results and herd needs. CentralStar Regional Consulting Manager Susie Martin manages all mating decisions, ensuring cows get the right type of semen.

Expansion can often create stress that lowers herd performance, especially with large pen sizes. "We realized we needed to speed things up and get employees out of the pens," Steve says.

Today, about 55% of the herd consists of purchased cows. After six months of normalizing cows to facilities and employees to processes, the farm saw steady improvements in production and reproduction. Letting cows be cows, while keeping processes efficient, has helped reduce cull rates.

"There are a lot of people involved, and if anyone doesn't pull their weight, it doesn't work," shares Steve. "It starts with our employees making sure jobs are done accurately and on time. Our CentralStar A.I. Specialist, Aaron McMillan, and his team play a big role in ensuring cows get bred at the right time to the right semen. Vets helped us transition from ultrasound to blood testing. Chris Cunningham at Dairy Performance Network makes sure our protocols are simple and automated. My job? I'm the coach, making sure everyone's in the right spot."

Looking ahead, Steve sees even more potential as the herd's own replacements mature. "As these animals enter the herd, we'll have greater control over genetics and breeding outcomes. It's not just about the cows you buy; it's also about what sire they're pregnant to. Not every farm uses the same level of genetics we do."

For Abel Dairy, success came not from complicated protocols but from consistency. By streamlining systems and concentrating on compliance, the dairy not only managed the challenges of expansion, but turned them into progress.

ABEL DAIRY FARMS

32% PREGNANCY RATE

9% 12-MOS. PREGNANCY RATE ↑

Pictured (above): Josue Reyes, Agustin Bautista, Nate Abel, Steve Abel; CentralStar team members Aaron McMillan, Dave Sattler, and Vanessa Ponterio.

GET MORE

THE INDEX OUR EXPERTS TRUST and why it matters for your herd

With so many genetic indexes, it's natural to ask: Which one fits my herd best? CentralStar's team shares why they recommend Herd Health Profit Dollars® (HHP$®) over NM$.

"Our focus is on traits that make cows healthier, more fertile, and productive for the long term," says Genetic Consultant Carla Stetzer. "HHP$ puts a heavier emphasis on mastitis resistance, 13% versus 3% in NM$, helping cows stay healthier while reducing reliance on antibiotics."

Director of Consulting and Profit Stratagies Cole Mark adds, "Fertility issues are a major reason cows leave the herd early. HHP$ gives more weight to daughter-fertility traits than NM$, leading to more pregnancies, fewer days open, and cows that stay productive longer."

But the reasons don't stop there. The right kind of udder improvement, lifetime profitability, and protein priority for a changing market are all reasons why the CentralStar team backs HHP$ over NM$. By prioritizing the traits that directly impact herd health, reproduction, and longevity, HHP$ allows you to focus on practical, on-farm results without getting lost in the data.

Scan the QR code to read the full article and hear why our team trusts HHP$ to improve herd health, efficiency, and lifetime profitability.

WHAT YOU NEED TO KNOW

DAUGHTER FERTILITY

HHP$	NM$
12%	5%

HHP$ PLACES CONSIDERABLE MORE EMPHASIS ON DAUGHTER FERTILITY TRAITS.

MASTITIS RESISTANCE

HHP$	NM$
13%	3%

MASTITIS RESISTANCE, MILK QUALITY AND UDDER HEALTH REMAIN THE HALLMARK OF HHP$.

TOP ECM PROTEIN BREED HERDS ≥23,000 ECM

	3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
1	*	Fischer & Clark Dairy, Hatley, WI	XX	1,134	31,585	1,446	4.6	1,037	3.3	6.8	36,987
2	*	Loehr Dairy LLC, Mount Calvary, WI	XX	62	30,365	1,402	4.6	1,025	3.4	6.6	35,927
3	*	Dairy Dreams, Casco, WI	XX	6,592	28,893	1,392	4.8	1,021	3.5	6.6	35,285
4	*	Tony Rosbrugh, West Branch, MI	XX	795	30,693	1,393	4.5	934	3.0	6.4	35,221
5	*	Nathan & Tajia Retzlaff, Shawano, WI	XX	42	32,414	1,294	4.0	976	3.0	6.2	34,823
6	*	Blanchard Family Dairy, Charlotte, IA	XX	1,792	29,329	1,311	4.5	959	3.3	6.2	33,904
7	*	Don Niles, Michicot, WI	XX	1,011	28,829	1,272	4.4	1,009	3.5	6.2	33,618
8	*	Pagels Ponderosa, Kewaunee, WI	XX	6,785	27,101	1,316	4.9	951	3.5	6.2	33,179
9		Sheridan Flats Dairy LLC, Waupaca, WI	XX	373	29,363	1,233	4.2	975	3.3	6.0	33,028
10		Charles & Kappy Koch, Tremont, IL	XX	158	26,243	1,320	5.0	952	3.6	6.2	32,958
11	*	Nathan & Tajia Retzlaff, Shawano, WI	XX	29	31,197	1,210	3.9	903	2.9	5.8	32,779
12		Vellema Dairy, Harris, IA	XX	222	28,675	1,234	4.3	968	3.4	6.0	32,762
13		Auburnvale Swiss, Fremont, WI	XX	184	28,800	1,226	4.3	931	3.2	5.9	32,416
14	*	John & Edwin Maxwell, Donahue, IA	JE	238	26,445	1,240	4.7	967	3.7	6.0	32,103
15	*	Tidy View Dairy LLC, Kaukauna, WI	XX	7,408	27,198	1,225	4.5	944	3.5	5.9	31,979
16	*	United Pride Dairy LLC, Phillips, WI	XX	299	25,152	1,255	5.0	920	3.7	6.0	31,515
17		Ron Folkema, Fremont, MI	XX	1,032	28,307	1,182	4.2	888	3.1	5.7	31,356
18		Stanley Ferris, Cement City, MI	XX	169	28,551	1,170	4.1	893	3.1	5.7	31,319
19		Randy & Michelle Buehne, Highland, IL	XX	38	27,723	1,170	4.2	902	3.3	5.7	31,117
20		Rolling Valley Jerseys, Waterville, IA	XX	28	25,736	1,196	4.6	893	3.5	5.7	30,735
21		Fisk Farms, Sand Lake, MI	XX	362	28,346	1,126	4.0	889	3.1	5.5	30,652
22	*	Doug Fairbanks, Anamosa, IA	BS	84	25,519	1,188	4.7	865	3.4	5.6	30,347
23		Bruce Martin, Whittemore, MI	XX	95	27,553	1,124	4.1	878	3.2	5.5	30,282
24	*	Omro Dairy, Kaukauna, WI	XD	3,237	23,286	1,183	5.1	899	3.9	5.7	29,812
25	*	Sand Creek Dairy LLC, Hastings, MI	JE	357	23,682	1,180	5.0	879	3.7	5.6	29,749
26		Wolfdairy LLC, Epworth, IA	XX	273	26,890	1,103	4.1	835	3.1	5.3	29,465
27		Carrie Peissig, Loyal, WI	XX	57	26,312	1,112	4.2	831	3.2	5.3	29,362
28		Twin River Dairy Inc, Freeport, MI	XX	437	24,231	1,162	4.8	834	3.4	5.5	29,352
29	*	Grass Ridge Farm LLC, Pittsville, WI	JE	141	22,440	1,181	5.3	868	3.9	5.6	29,272
30		McAllister Family Dairy LLC, New Vienna, IA	JE	43	22,303	1,202	5.4	829	3.7	5.6	29,201
31		Darga Farms, Pound, WI	XX	326	24,539	1,148	4.7	809	3.3	5.4	29,080
32		Twinkle-Hill Brown Swiss, Watertown, WI	BS	53	25,048	1,105	4.4	855	3.4	5.4	29,041
33		Eric Gaul, Farley, IA	XX	148	24,684	1,121	4.5	819	3.3	5.3	28,854
34	*	Petro Farms, Gobles, MI	XX	35	26,042	1,060	4.1	864	3.3	5.3	28,852
35		Martha Imhoff, Goshen, IN	XX	63	24,863	1,136	4.6	777	3.1	5.2	28,785
36		Cal & Barb Marshall, Lupton, MI	XX	732	24,785	1,140	4.6	763	3.1	5.2	28,705
37	*	Erdman Dairy, Chenoa, IL	XX	34	24,566	1,123	4.6	801	3.3	5.3	28,704
38		Tom & Jeni Melcher, Castalia, IA	XX	95	25,864	1,072	4.1	821	3.2	5.2	28,621
39	*	Gary & Darlene Kregel, Guttenberg, IA	XX	440	23,466	1,141	4.9	795	3.4	5.3	28,531
40		Duane, Jeanne & Dave Meier, Monticello, WI	BS	68	23,393	1,103	4.7	859	3.7	5.4	28,505
41		Clint Strahm, Bern, KS	XX	465	24,208	1,090	4.5	845	3.5	5.3	28,496
42	*	Thuemmel Dairy, Port Austin, MI	XX	30	25,761	1,035	4.0	869	3.4	5.2	28,475
43	*	Liquid Coin Dairy LLC, Milladore, WI	XX	71	23,192	1,146	4.9	771	3.3	5.3	28,323
44		Darren Rusch, Pound, WI	JE	116	21,350	1,184	5.5	782	3.7	5.4	28,297
45		Gary Nielsen, Coral, MI	XX	58	25,552	1,050	4.1	826	3.2	5.1	28,272
46	*	Tom Zenz, Grass Lake, MI	XX	192	24,704	1,071	4.3	815	3.3	5.2	28,182
47	*	Landstad Dairy LLC, Bonduel, WI	XX	99	24,173	1,080	4.5	822	3.4	5.2	28,179
48		Bryce & Maddie Frahm, Frankenmuth, MI	BS	29	24,449	1,064	4.4	835	3.4	5.2	28,161
49	*	Bohnert Jerseys, East Moline, IL	JE	716	21,442	1,150	5.4	807	3.8	5.4	28,078
50		Dan Mauer, Scottville, MI	XX	56	25,456	1,002	3.9	858	3.4	5.1	27,864
51		Kevin Knapp, Larchwood, IA	JE	149	20,954	1,137	5.4	814	3.9	5.3	27,803
52		Ted & Jonathan Keenan, Osseo, MI	XX	52	26,054	988	3.8	836	3.2	5.0	27,710
53		Auburnvale Swiss, Fremont, WI	BS	73	24,668	1,022	4.1	831	3.4	5.1	27,658
54		Kent, Bryon & Sandra Franks, St Olaf, IA	XX	31	23,476	1,077	4.6	783	3.3	5.1	27,614
55		Fordyce Family Farm, Aurelia, IA	XX	54	25,024	1,010	4.0	824	3.3	5.0	27,566
56		Wes Weaver, Sheldon, WI	XX	220	24,904	1,015	4.1	819	3.3	5.0	27,553
57		Hendel Farms, Caledonia, MN	BS	27	23,108	1,058	4.6	818	3.5	5.1	27,515
58		Larry & Jennifer Meyer, Chilton, WI	BS	34	24,333	1,024	4.2	819	3.4	5.0	27,483
59	*	Crosswinds Jersey, Elkton, SD	JE	2,550	22,328	1,053	4.7	848	3.8	5.2	27,425
60		Tim & Kari Gaul, Guttenberg, IA	XX	92	25,268	1,000	4.0	798	3.2	4.9	27,317
61	*	United Pride Dairy LLC, Phillips, WI	JE	612	20,466	1,114	5.4	808	3.9	5.3	27,300
62		Classic Dairy Inc, Jansen, NE	XX	1,146	24,832	976	3.9	845	3.4	5.0	27,224
63	*	Petro Farms, Gobles, MI	JE	58	21,455	1,079	5.0	805	3.8	5.2	27,147
64		Randy & Michelle Buehne, Highland, IL	BS	67	24,386	1,006	4.1	803	3.3	5.0	27,145
65		Milk Source Genetics LLC, Kaukauna, WI	XX	54	24,507	985	4.0	794	3.2	4.9	26,844
66		Merideth & Brandon Maier, Thorp, WI	BS	124	22,781	1,009	4.4	823	3.6	5.0	26,812
67	*	Doug Fairbanks, Anamosa, IA	JE	73	20,526	1,111	5.4	738	3.6	5.1	26,745
68		Golden Sun Dairy LLC, Shiocton, WI	JE	54	19,964	1,106	5.5	768	3.8	5.1	26,726
69	*	Lewis Century Stock Farms Inc, Lagrange, IN	BS	161	24,344	966	4.0	813	3.3	4.9	26,690
70		Deutsch Farms, Sycamore, IL	XX	179	22,818	1,005	4.4	797	3.5	4.9	26,573

TOP ECM PROTEIN BREED HERDS ≥23,000 ECM

	3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
71		John & Wendy Korth, Freeport, IL	BS	73	22,914	988	4.3	817	3.6	4.9	26,538
72	*	Robert Roden, West Bend, WI	XX	993	23,127	1,048	4.5	705	3.0	4.8	26,527
73		Saxon Homestead Farms, Cleveland, WI	XX	572	21,706	1,044	4.8	763	3.5	5.0	26,455
74	*	Sioux Jersey, Salix, IA	JE	5,301	20,786	1,057	5.1	777	3.7	5.0	26,429
75		Dan & Melissa Fagle, Fayette, IA	XX	33	24,686	961	3.9	769	3.1	4.7	26,400
76		Mark & Rhonda Hefel, Epworth, IA	BS	28	22,944	978	4.3	809	3.5	4.9	26,357
77		Adam Place, Clayton, WI	XX	272	22,376	1,009	4.5	771	3.4	4.9	26,282
78		Randy & Michelle Buehne, Highland, IL	JE	30	20,744	1,044	5.0	762	3.7	4.9	26,132
80		Jenks Jersey Farm, Marathon, WI	JE	869	19,479	1,073	5.5	753	3.8	5.0	26,025
81		Clearview Dairy, Fond Du Lac, WI	XX	46	24,132	927	3.8	779	3.2	4.7	25,855
82	*	Jeff Elmhorst, Granton, WI	JE	337	19,040	1,078	5.7	723	3.8	4.9	25,717
83		Jake & Colleen Thostenson, Brodhead, WI	BS	48	22,351	916	4.1	826	3.7	4.8	25,490
84		Lee-Ann's Swiss LLC, De Witt, IA	BS	80	21,671	955	4.4	779	3.6	4.8	25,413
T		Roger Mason, Stanley, WI	XX	53	20,630	1,051	5.1	661	3.2	4.7	25,413
86		Tom & Karen Hamlett, Arlington, IA	XX	66	23,506	918	3.9	757	3.2	4.6	25,366
87		Brent Moyer, Caro, MI	XX	113	22,253	956	4.3	738	3.3	4.6	25,303
88		Jason & Mary Hettinga, Orange City, IA	JE	162	19,470	996	5.1	761	3.9	4.8	25,087
89		Bob & John Bennett, Prescott, MI	XX	216	22,240	949	4.3	718	3.2	4.6	25,055
90	*	Jason Wiebe Dairy, Durham, KS	XX	81	20,424	985	4.8	734	3.6	4.7	25,050
91		Lyle & Carla Weaver, Goshen, IN	XX	28	21,855	954	4.4	722	3.3	4.6	25,024
92		D & L Dairy, Centralia, KS	XX	84	23,593	896	3.8	734	3.1	4.5	24,933
93		David Michels, Osage, IA	XX	139	21,850	938	4.3	733	3.4	4.6	24,900
94		Kevin Litwiller, Perrinton, MI	XX	140	21,586	940	4.4	735	3.4	4.6	24,854
95		Cody Yoder, Elmwood, WI	XX	157	21,334	956	4.5	716	3.4	4.6	24,834
96		I O State Dairy, Ames, IA	JE	37	18,878	1,007	5.3	730	3.9	4.8	24,798
97		Ron & Nicole Wussow, Cecil, WI	JE	69	19,574	985	5.0	725	3.7	4.7	24,703
98		Jason Luttropp, Berlin, WI	JE	44	19,955	960	4.8	737	3.7	4.6	24,595
99		Richlo Dairy Farms, Engadine, MI	XX	171	20,880	938	4.5	728	3.5	4.6	24,544
100		Dan Johnson, Evansville, WI	JE	56	20,159	954	4.7	719	3.6	4.6	24,447
101		Clover Farms, Dundas, IL	JE	1,664	18,729	974	5.2	737	3.9	4.7	24,376
102		Spring Creek Farms Inc, Hixton, WI	JE	50	19,834	959	4.8	711	3.6	4.6	24,344
103	*	Peter Kimball, Baldwin, WI	JE	107	19,090	986	5.2	695	3.6	4.6	24,328
104		Troy Pauli, New Glarus, WI	BS	80	21,271	891	4.2	761	3.6	4.5	24,316
105		Hiview Farm, Orangeville, IL	XX	53	21,466	919	4.3	704	3.3	4.4	24,306
106		Ronald Richards, Fairbank, IA	JE	97	19,019	972	5.1	707	3.7	4.6	24,215
107		Jon-Phil Farms, Medford, WI	XX	90	22,017	889	4.0	707	3.2	4.4	24,121
108		Bo-Te Farms Inc, West Branch, MI	XX	287	21,720	909	4.2	685	3.2	4.4	24,114
109		Mr Bens Farm, Baileyville, KS	XX	204	19,935	935	4.7	704	3.5	4.5	24,013
110	*	Murphy Family Farm, New London, WI	JE	108	17,882	1,014	5.7	657	3.7	4.6	24,005
111		Fordyce Family Farm, Aurelia, IA	XX	108	20,844	901	4.3	719	3.4	4.4	23,984
112		Brian Saunders, Independence, IA	XX	93	20,707	907	4.4	711	3.4	4.4	23,956
113	*	Jason Wiebe Dairy, Durham, KS	XX	74	19,522	938	4.8	705	3.6	4.5	23,924
114		Christy Ratliff Jerseys, Garnett, KS	JE	42	18,810	958	5.1	698	3.7	4.5	23,897
115		Randy James, Livingston, WI	XX	432	20,829	894	4.3	705	3.4	4.4	23,782
116		Meyer Dairy, Roca, NE	JE	370	18,811	937	5.0	707	3.8	4.5	23,694
117		Robert Brandt, Postville, IA	BS	61	20,449	883	4.3	724	3.5	4.4	23,660
118		Todd Kahl-Busch Farms Ltd, Belvidere, IL	XX	137	20,612	877	4.3	698	3.4	4.3	23,437
119		Robert Stone, Ripon, WI	XX	75	20,434	879	4.3	692	3.4	4.3	23,359
120		Redetzkes' No Joke Dairy, Stratford, WI	XX	240	17,727	953	5.4	679	3.8	4.5	23,332
121		James Hauschildt, Ellsworth, WI	BS	44	20,433	883	4.3	673	3.3	4.3	23,265
122		Andy Dums, Rib Lake, WI	JE	55	19,069	898	4.7	704	3.7	4.4	23,250
123		Adam & Jim Williams, Willard, WI	XX	269	21,184	838	4.0	712	3.4	4.2	23,226
124		Albern Olson, Stanton, MI	XX	113	19,443	900	4.6	681	3.5	4.3	23,223
125		Hagen Brothers Dairy, Waterville, IA	XX	63	19,966	877	4.4	685	3.4	4.3	23,126

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LOW SCC HERDS

≤100,000 SCC & ≥23,000 ECM

3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM	SCC
	Milk Source Genetics LLC, Kaukauna, WI	XX	54	24,507	985	4.0	794	3.2	4.9	26,844	23,000
	Raymond Dairy Inc, New Richmond, WI	HO	91	28,682	1,139	4.0	921	3.2	5.6	31,175	26,000
	Doug Lyons, Castalia, IA	HO	54	23,801	929	3.9	747	3.1	4.6	25,528	28,000
	Hendel Farms, Caledonia, MN	BS	27	23,108	1,058	4.6	818	3.5	5.1	27,515	28,000
	McAllister Family Dairy LLC, New Vienna, IA	JE	43	22,303	1,202	5.4	829	3.7	5.6	29,201	32,000
*	Wilnore Holsteins, Milton, WI	HO	68	30,035	1,260	4.2	970	3.2	6.1	33,559	32,000
*	Nathan & Tajia Retzlaff, Shawano, WI	XX	29	31,197	1,210	3.9	903	2.9	5.8	32,779	33,000
	Parsons Dairy Farm LLC, Antigo, WI	HO	46	21,974	909	4.1	666	3.0	4.3	24,052	37,000
	David & Julie Marcks, Black Creek, WI	HO	44	26,234	1,008	3.8	825	3.1	5.0	27,943	46,000
	Hendel Farms, Caledonia, MN	HO	382	27,922	1,268	4.5	940	3.4	6.0	32,742	49,000
*	Ambrosius Dairy Farm, Seymour, WI	HO	129	32,576	1,309	4.0	1,061	3.3	6.5	35,721	49,000
	Randy & Michelle Buehne, Highland, IL	JE	30	20,744	1,044	5.0	762	3.7	4.9	26,132	50,000
	Valley Gem Farms Inc, Cumberland, WI	HO	79	25,179	1,059	4.2	804	3.2	5.1	28,098	50,000
	Hardy Spring Lake Farms, Stanton, MI	HO	228	28,408	1,259	4.4	905	3.2	5.9	32,517	53,000
	Virgil Martin, Boscobel, WI	HO	122	30,568	1,241	4.1	975	3.2	6.1	33,525	53,000
*	Horsens Homestead Farms, Cecil, WI	HO	1,458	33,866	1,479	4.4	1,133	3.3	7.2	38,895	54,000
	Kevin Martin, Warren, IL	HO	116	29,293	1,232	4.2	936	3.2	5.9	32,694	57,000
	Stuart Farms, Lowell, MI	HO	446	29,951	1,334	4.5	972	3.2	6.3	34,505	57,000
	Christy Ratliff Jerseys, Garnett, KS	JE	42	18,810	958	5.1	698	3.7	4.5	23,897	58,000
	John W Nolt, Orchard, IA	HO	61	29,211	1,269	4.3	913	3.1	6.0	32,970	58,000
	Nelson Miller, Arthur, IL	HO	46	22,419	855	3.8	660	2.9	4.2	23,452	60,000
	Jonathan Burkholder, Sheridan, MI	HO	79	28,817	1,174	4.1	908	3.2	5.7	31,573	60,000
*	Blaser Farms Inc, Gillett, WI	HO	632	32,231	1,415	4.4	1,048	3.3	6.7	36,881	61,000
	Jeff & Kate Hendrickson, Belleville, WI	HO	118	29,447	1,182	4.0	940	3.2	5.8	32,127	62,000
	River Crest Dairy LLC, Greenwood, WI	HO	258	30,607	1,453	4.7	1,037	3.4	6.8	36,758	62,000
	Paige Mier, Prescott, MI	HO	70	22,707	974	4.3	736	3.2	4.7	25,669	63,000
	Keith & Cindy Binder, Monticello, WI	HO	122	24,972	1,008	4.0	811	3.2	5.0	27,424	63,000
*	Grass Ridge Farm LLC, Pittsville, WI	JE	141	22,440	1,181	5.3	868	3.9	5.6	29,272	64,000
	Adam & Karen Voigts, Wilton, WI	HO	279	27,112	1,260	4.6	900	3.3	5.9	32,068	64,000
*	Crandall Farms LLC, Battle Creek, MI	HO	351	33,663	1,434	4.3	1,097	3.3	6.9	37,970	65,000
	Ken & Andrea Moeller, Seymour, WI	HO	26	23,217	958	4.1	732	3.2	4.6	25,598	66,000
	Twinkle-Hill Brown Swiss, Watertown, WI	BS	53	25,048	1,105	4.4	855	3.4	5.4	29,041	66,000
	Mike Schultz, Eden, WI	HO	183	25,505	1,126	4.4	807	3.2	5.3	29,095	67,000
	Allen Yoder, Lovington, IL	HO	29	23,240	980	4.2	752	3.2	4.7	26,043	68,000
	Leon Henneman, Ellsworth, WI	HO	50	28,338	1,175	4.1	964	3.4	5.9	31,857	68,000
	Todd & Jessica Ertl, Unity, WI	HO	111	21,950	899	4.1	689	3.1	4.4	24,091	69,000
*	Yonkman Dairy, McBain, MI	HO	1,949	32,288	1,414	4.4	999	3.1	6.6	36,512	70,000
	Jonas Zimmerman, Wakarusa, IN	HO	125	29,073	1,388	4.8	931	3.2	6.4	34,604	72,000
	Terry Deutmeyer, Dyersville, IA	HO	114	30,175	1,309	4.3	968	3.2	6.2	34,224	73,000
	Rock-N-Hill Holsteins, Juda, WI	HO	54	23,403	974	4.2	714	3.1	4.6	25,728	74,000
	Randy & Michelle Buehne, Highland, IL	BS	67	24,386	1,006	4.1	803	3.3	5.0	27,145	75,000
	Eugene Ramer, Rochester, IN	HO	106	28,806	1,251	4.3	946	3.3	6.0	32,857	76,000
*	Valley Grove Dairy LLC, Hastings, MI	HO	286	29,349	1,262	4.3	957	3.3	6.1	33,261	76,000
*	George Kasbergen, Mansfield, IL	HO	3,815	36,391	1,379	3.8	1,115	3.1	6.8	38,288	77,000
*	Brooks Dairy Farms, Waupaca, WI	HO	695	29,166	1,285	4.4	952	3.3	6.1	33,461	78,000
	Darren Rusch, Pound, WI	HO	400	30,150	1,404	4.7	985	3.3	6.5	35,576	78,000
	Steven & Joe Holle, Baldwin, WI	HO	57	23,609	985	4.2	773	3.3	4.8	26,389	79,000
	Jon Kotek, Osage, IA	HO	172	26,339	1,171	4.4	856	3.2	5.6	30,326	79,000
*	Voight Acres, Shiocton, WI	HO	287	31,154	1,247	4.0	1,005	3.2	6.2	34,024	79,000
	Todd Kahl-Busch Farms Ltd, Belvidere, IL	XX	137	20,612	877	4.3	698	3.4	4.3	23,437	80,000
*	Templeton Farm, Evansville, WI	HO	176	32,843	1,294	3.9	1,036	3.2	6.4	35,422	80,000
	Cynthia Waegli & Chris Utke, Clintonville, WI	HO	254	27,936	1,147	4.1	908	3.3	5.6	30,935	81,000
*	Rusk-Rose Holsteins, Ladysmith, WI	HO	566	32,016	1,459	4.6	1,004	3.1	6.7	37,044	82,000
	Bob Baker, Hastings, MI	HO	107	27,607	1,131	4.1	882	3.2	5.5	30,421	83,000
	Oneeda Farms LLC, Syracuse, IN	HO	183	26,095	1,095	4.2	870	3.3	5.4	29,369	84,000
	Starward Farms, Sebewaing, MI	HO	98	27,155	1,141	4.2	860	3.2	5.5	30,235	84,000
	Bob Van Daalwyk, Hilbert, WI	HO	193	30,242	1,188	3.9	959	3.2	5.9	32,610	84,000
*	Schwartzhoff Dairy, Dorchester, IA	HO	384	33,231	1,287	3.9	1,011	3.0	6.3	35,267	84,000
	Lyle & Carla Weaver, Goshen, IN	XX	28	21,855	954	4.4	722	3.3	4.6	25,024	85,000
	Jeff & Melissa Flannery, Hollandale, WI	HO	79	22,789	1,006	4.4	743	3.3	4.8	26,164	85,000
*	Nathan & Tajia Retzlaff, Shawano, WI	XX	42	32,414	1,294	4.0	976	3.0	6.2	34,823	85,000
	C & J Farms Inc, Bear Creek, WI	HO	337	27,906	1,152	4.1	863	3.1	5.5	30,646	86,000
*	Rahm Dairy LLC, Colby, WI	HO	1,413	29,068	1,259	4.3	931	3.2	6.0	32,931	86,000
	Eric Frahm, Frankenmuth, MI	HO	122	30,515	1,285	4.2	984	3.2	6.2	34,147	86,000
*	Olson's Best Dairy LLC, Shiocton, WI	HO	304	31,092	1,311	4.2	1,038	3.3	6.4	35,085	86,000
*	Nathan & Tajia Retzlaff, Shawano, WI	HO	109	35,683	1,444	4.0	1,110	3.1	7.0	38,860	86,000
	Eric Steenstra, Coopersville, MI	HO	189	24,912	998	4.0	779	3.1	4.9	27,030	87,000
*	Baker Lads Farm, Clayton, MI	HO	555	27,401	980	3.6	818	3.0	4.9	27,909	87,000
	Auburnvale Swiss, Fremont, WI	XX	184	28,800	1,226	4.3	931	3.2	5.9	32,416	87,000
*	Fischer & Clark Dairy, Hatley, WI	XX	1,134	31,585	1,446	4.6	1,037	3.3	6.8	36,987	87,000
	Mike Bosscher, McBain, MI	HO	188	30,304	1,224	4.0	996	3.3	6.1	33,380	88,000

3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM	SCC
*	Dominic & Jamie Mastey, Bonduel, WI	HO	147	32,009	1,402	4.4	996	3.1	6.6	36,242	88,000
	Bo-Te Farms Inc, West Branch, MI	XX	287	21,720	909	4.2	685	3.2	4.4	24,114	89,000
*	Sue-Dan Farms, Inc, Bloomer, WI	HO	48	26,569	1,072	4.0	820	3.1	5.2	28,843	89,000
	Elson Ramer, Argos, IN	HO	81	28,089	1,188	4.2	911	3.2	5.8	31,539	89,000
	Troy Pauli, New Glarus, WI	HO	42	25,930	1,043	4.0	867	3.3	5.2	28,619	90,000
*	Valley-Vu Dairy LLC, Cumberland, WI	HO	1,032	31,754	1,452	4.6	1,064	3.4	6.9	37,327	90,000
	Fours Streams Dairy, Hanover, KS	HO	64	25,194	951	3.8	756	3.0	4.7	26,337	91,000
	Dall Dairy, Aviston, IL	HO	370	28,089	1,186	4.2	921	3.3	5.8	31,589	91,000
	Brinkmeier Dairy, Warren, IL	HO	93	23,011	973	4.2	753	3.3	4.7	25,885	92,000
*	Friesen Legacy Farm LLC, Perrinton, MI	HO	484	25,828	1,142	4.4	803	3.1	5.3	29,378	92,000
	Jesse & Rachel Thoma, Manawa, WI	HO	82	27,480	1,195	4.3	894	3.3	5.7	31,300	92,000
	Tacoma Dairy Inc, Falmouth, MI	HO	417	29,164	1,265	4.3	976	3.3	6.1	33,385	92,000
	Earl & Jeff Horning, Manchester, MI	HO	444	28,194	1,235	4.4	880	3.1	5.8	31,945	93,000
*	Weishaar Family Farm, Westfield, WI	HO	353	33,953	1,408	4.1	1,053	3.1	6.7	37,392	93,000
	Robert Fasbender, Cornell, WI	HO	285	24,973	1,044	4.2	810	3.2	5.1	27,882	94,000
	Matthew & Susan Smith, Hudson, MI	HO	90	28,562	1,217	4.3	944	3.3	5.9	32,322	94,000
*	Chad Beck, West Branch, MI	HO	1,200	29,098	1,453	5.0	912	3.1	6.5	35,308	94,000
*	Wilson Brothers, Cuba City, WI	HO	703	24,558	1,037	4.2	746	3.0	4.9	27,167	95,000
	Ramer & Sons Dairy, New Paris, IN	HO	182	26,129	999	3.8	806	3.1	4.9	27,647	95,000
	Matt & Joe Engel, Hampshire, IL	HO	148	25,874	1,146	4.4	860	3.3	5.5	29,881	95,000
	Mike Bosscher, McBain, MI	HO	70	28,648	1,150	4.0	940	3.3	5.7	31,451	95,000
	Jeff Lambrecht, Kewaunee, WI	HO	317	29,083	1,381	4.7	963	3.3	6.4	34,761	95,000
	Carrie Peissig, Loyal, WI	XX	57	26,312	1,112	4.2	831	3.2	5.3	29,362	96,000
	Kurt Leerhoff, Clarksville, IA	HO	65	26,339	1,139	4.3	857	3.3	5.5	29,919	96,000
	Ron & Nicole Wussow, Cecil, WI	HO	47	28,949	1,153	4.0	936	3.2	5.7	31,558	96,000
*	Norm & Derrick Hammond, Dowling, MI	HO	493	29,982	1,209	4.0	965	3.2	6.0	32,843	96,000
	Larry Mier, West Branch, MI	HO	77	22,104	1,018	4.6	733	3.3	4.8	26,019	97,000
	Chad & Erin Hunt, Elkader, IA	HO	70	25,797	1,042	4.0	816	3.2	5.1	28,172	97,000
*	Jay & Amy Krahn, Brillion, WI	HO	185	30,429	1,264	4.2	901	3.0	5.9	33,212	97,000
*	Brickstead Dairy LLC, Greenleaf, WI	HO	1,054	30,951	1,328	4.3	1,025	3.3	6.4	35,160	97,000
	Lyle & Carla Weaver, Goshen, IN	HO	131	30,760	1,363	4.4	981	3.2	6.4	35,214	97,000
*	Neal Burken, Galesville, WI	HO	499	30,902	1,384	4.5	973	3.1	6.5	35,471	97,000
*	Banner Ridge Farms LLC, Platteville, WI	HO	557	32,787	1,449	4.4	1,070	3.3	6.9	37,671	97,000
	Tom Sherven, New Glarus, WI	HO	82	22,308	922	4.1	674	3.0	4.4	24,391	98,000
	Robert Nosbisch, Holy Cross, IA	HO	148	25,168	1,007	4.0	812	3.2	5.0	27,482	98,000
	Mitchell Schaefer, Chilton, WI	HO	286	27,523	1,119	4.1	851	3.1	5.4	30,001	98,000
*	MSU Dairy Dept, Lansing, MI	HO	655	28,502	1,189	4.2	932	3.3	5.8	31,848	98,000
	Volmering Family Dairy, Harbor Beach, MI	HO	198	29,429	1,185	4.0	908	3.1	5.7	31,915	98,000
	Hiview Farm, Orangeville, IL	XX	53	21,466	919	4.3	704	3.3	4.4	24,306	99,000
	Nova Holsteins Vineyard Jerseys, New Richmond, WI	HO	202	23,371	948	4.1	768	3.3	4.7	25,794	99,000
	Kevin & Kim Radloff, Oshkosh, WI	HO	125	24,386	1,028	4.2	785	3.2	5.0	27,292	99,000
	A G Wiles, Middleton, MI	HO	157	27,075	1,075	4.0	869	3.2	5.3	29,423	99,000
	Ronald & Nancy Felten, St. Cloud, WI	HO	475	28,851	1,072	3.7	971	3.4	5.6	30,745	99,000
*	James & Callie Amera, Stoughton, WI	HO	145	29,482	1,248	4.2	936	3.2	6.0	32,963	99,000
*	Kevin & Diane Skinner, Junction City, WI	HO	537	31,338	1,297	4.1	996	3.2	6.3	34,663	99,000
*	Ryan Litwiller, Middleton, MI	HO	279	31,642	1,475	4.7	1,025	3.2	6.8	37,289	99,000
*	Jmax, Fremont, MI	HO	1,626	33,564	1,432	4.3	1,079	3.2	6.9	37,774	99,000
	Clearview Dairy, Fond Du Lac, WI	XX	46	24,132	927	3.8	779	3.2	4.7	25,855	100,000
	Family Af-Ayr Farm LLC, Caledonia, IL	HO	92	24,023	945	3.9	770	3.2	4.7	25,984	100,000
	Nienhuis Dairy Farm, Zeeland, MI	HO	280	27,129	1,133	4.2	887	3.3	5.5	30,329	100,000
	Morgan Long, Brillion, WI	HO	116	28,120	1,155	4.1	884	3.1	5.6	30,915	100,000
	Kevin & Julie Fossum, Waterville, IA	HO	263	29,204	1,212	4.2	953	3.3	5.9	32,536	100,000
*	Herb Farms LLC, Shiocton, WI	HO	681	30,043	1,280	4.3	979	3.3	6.2	33,889	100,000
	Burke Larsen, Scottville, MI	HO	696	30,858	1,313	4.3	967	3.1	6.2	34,491	100,000
*	Seidls Mtn View Dairy, Luxemburg, WI	HO	1,181	33,167	1,360	4.1	1,034	3.1	6.6	36,368	100,000
	McAllister Family Dairy LLC, New Vienna, IA	HO	277	32,267	1,399	4.3	1,051	3.3	6.7	36,709	100,000
*	Sand Creek Dairy LLC, Hastings, MI	HO	1,113	33,688	1,377	4.1	1,099	3.3	6.8	37,255	100,000

LOW SCC HERDS

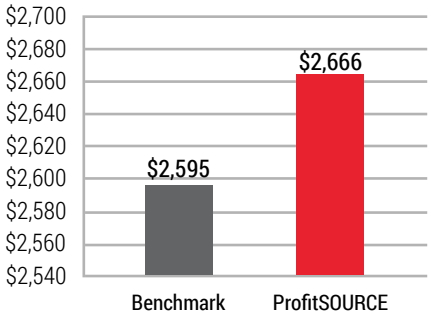
≤100,000 SCC & ≥23,000 ECM

GET MORE

The data-backed difference in BEEF ON DAIRY

ProfitSOURCE® beef on dairy genetics are designed to create better feeder cattle and higher-quality beef. The value, however, starts on your farm, even if you're selling day-old calves.

Projected value: Commodity vs. ProfitSOURCE calves



The chart shows the difference in dollars earned for a group of 1,000 calves, factoring in death loss and carcass performance. ProfitSOURCE calves are projected to earn an average of $71 more per head than non-ProfitSOURCE commodity calves.

Backed by years of progress and data, the ProfitSOURCE sire lineup delivers calves with the growth, size, and marbling that feeders demand. That consistency makes them worth more all the way through the supply chain.

Select Sires' performance database now includes more than 65,000 records tracing calves from ranch to harvest. Results show:

- ProfitSOURCE calves are 16% less likely to die in the growyard, reducing death loss by 2.24%.
- At harvest, they returned an average of $71 more per head on grid pricing.

For a dairy raising 1,000 day-old calves, that advantage equals $122,552 more revenue compared to non-ProfitSOURCE calves. That's why calf buyers and feeders nationwide are looking for ProfitSOURCE calves.

Whether you sell day-olds, raise feeders, or retain ownership to finish, ProfitSOURCE provides value through genetics, data, and market access, delivering more profit potential for your dairy.

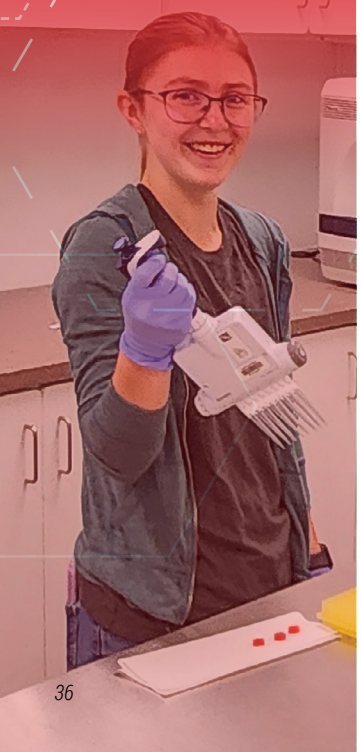
DELIVERING THE DIFFERENCE

TOP HERDS BY SIZE AND ECM

	3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
25 - 74 Cows											
1	*	Loehr Dairy LLC, Mount Calvary, WI	XX	62	30,365	1,402	4.6	1,025	3.4	6.6	35,927
2	*	Nathan & Tajia Retzlaff, Shawano, WI	XX	42	32,414	1,294	4.0	976	3.0	6.2	34,823
3	*	Wilnore Holsteins, Milton, WI	HO	68	30,035	1,260	4.2	970	3.2	6.1	33,559
4		Alvin & Sylvia Sauder, Charles City, IA	HO	66	29,385	1,267	4.3	965	3.3	6.1	33,399
5		Nathan & Kristy Mulder, Ridott, IL	HO	58	31,870	1,175	3.7	1,007	3.2	6.0	33,341
6		Hillebrand Farms, Cornell, WI	HO	58	29,022	1,277	4.4	954	3.3	6.1	33,325
7		John W Nolt, Orchard, IA	HO	61	29,211	1,269	4.3	913	3.1	6.0	32,970
8		Kandy-Bahr Holsteins, Waukon, IA	HO	65	29,592	1,208	4.1	988	3.3	6.0	32,878
9		Kevin Knapp, Larchwood, IA	HO	34	28,096	1,247	4.4	978	3.5	6.1	32,818
10	*	Nathan & Tajia Retzlaff, Shawano, WI	XX	29	31,197	1,210	3.9	903	2.9	5.8	32,779
11		White Gold Dairy LLC, Plainfield, IA	HO	62	30,140	1,178	3.9	983	3.3	5.9	32,631
12		Steve Landis, Goshen, IN	HO	29	28,794	1,265	4.4	891	3.1	5.9	32,614
13		Tom & Sara Kruse, Dyersville, IA	HO	61	28,564	1,223	4.3	970	3.4	6.0	32,599
14		Leon Henneman, Ellsworth, WI	HO	50	28,338	1,175	4.1	964	3.4	5.9	31,857
15		Mark Ulness, Valders, WI	HO	74	27,201	1,222	4.5	902	3.3	5.8	31,620
16		Ron & Nicole Wussow, Cecil, WI	HO	47	28,949	1,153	4.0	936	3.2	5.7	31,558
17		Brent & Carrie Pollard, Rockford, IL	HO	68	27,243	1,213	4.5	897	3.3	5.8	31,479
18		Mike Bosscher, McBain, MI	HO	70	28,648	1,150	4.0	940	3.3	5.7	31,451
19		Leander Coblentz, Durand, WI	HO	74	27,458	1,181	4.3	897	3.3	5.7	31,135
20		Randy & Michelle Buehne, Highland, IL	XX	38	27,723	1,170	4.2	902	3.3	5.7	31,117
21		Mike Quilling, Menomonie, WI	HO	50	26,144	1,186	4.5	917	3.5	5.8	30,923
22		Billy Zeimet, New London, WI	HO	57	27,349	1,154	4.2	909	3.3	5.7	30,841
23		Eric Zutz, Valders, WI	HO	72	29,236	1,128	3.9	862	2.9	5.5	30,762
24		Rolling Valley Jerseys, Waterville, IA	XX	28	25,736	1,196	4.6	893	3.5	5.7	30,735
25		Kurt Leerhoff, Clarksville, IA	HO	65	26,339	1,139	4.3	857	3.3	5.5	29,919
26		Tom Knegendorf, Spring Valley, WI	HO	44	25,666	1,140	4.4	857	3.3	5.5	29,712
27		Carrie Peissig, Loyal, WI	XX	57	26,312	1,112	4.2	831	3.2	5.3	29,362
28		David Martin, Fenwick, MI	HO	67	24,486	1,154	4.7	826	3.4	5.4	29,270
29		McAllister Family Dairy LLC, New Vienna, IA	JE	43	22,303	1,202	5.4	829	3.7	5.6	29,201
30		Eric Schoenfuss, Edgar, WI	HO	36	26,514	1,058	4.0	876	3.3	5.3	29,073
75 - 149 Cows											
1	*	Nathan & Tajia Retzlaff, Shawano, WI	HO	109	35,683	1,444	4.0	1,110	3.1	7.0	38,860
2	*	Dominic & Jamie Mastey, Bonduel, WI	HO	147	32,009	1,402	4.4	996	3.1	6.6	36,242
3	*	Ambrosius Dairy Farm, Seymour, WI	HO	129	32,576	1,309	4.0	1,061	3.3	6.5	35,721
4		Lyle & Carla Weaver, Goshen, IN	HO	131	30,760	1,363	4.4	981	3.2	6.4	35,214
5		Jonas Zimmerman, Wakarusa, IN	HO	125	29,073	1,388	4.8	931	3.2	6.4	34,604
6		Production Unlimited LLC, Twin Lakes, WI	HO	139	29,038	1,357	4.7	983	3.4	6.4	34,589
7		Reuben Nolt, Alta Vista, IA	HO	81	29,320	1,328	4.5	976	3.3	6.3	34,252
8		Terry Deutmeyer, Dyersville, IA	HO	114	30,175	1,309	4.3	968	3.2	6.2	34,224
9		Eric Frahm, Frankenmuth, MI	HO	122	30,515	1,285	4.2	984	3.2	6.2	34,147
10		Virgil Martin, Boscobel, WI	HO	122	30,568	1,241	4.1	975	3.2	6.1	33,525
11		Devon Ramer, Milford, IN	HO	145	30,659	1,229	4.0	988	3.2	6.1	33,499
12		Brian & Monica Enyart, Postville, IA	HO	143	30,404	1,252	4.1	956	3.1	6.0	33,469
13		Andrew Houlberg, Monticello, WI	HO	126	28,793	1,286	4.5	962	3.3	6.2	33,428
14		Stephen Burkholder, Orleans, MI	HO	111	29,541	1,284	4.3	932	3.2	6.1	33,418
15	*	Dwight Rokey, Sabetha, KS	HO	108	30,749	1,241	4.0	951	3.1	6.0	33,401
16		Duane, Jeanne & Dave Meier, Monticello, WI	HO	77	28,730	1,275	4.4	968	3.4	6.1	33,311
17		Rick Demmer, Peosta, IA	HO	80	27,540	1,325	4.8	894	3.2	6.1	33,003
18	*	James & Callie Amera, Stoughton, WI	HO	145	29,482	1,248	4.2	936	3.2	6.0	32,963
19		Eugene Ramer, Rochester, IN	HO	106	28,806	1,251	4.3	946	3.3	6.0	32,857
20		Marvin Martin, Carson City, MI	HO	88	29,701	1,226	4.1	937	3.2	5.9	32,757
21	*	Jeff & Melinda Walz, West Union, IA	HO	131	30,254	1,215	4.0	927	3.1	5.9	32,719
22		Kevin Martin, Warren, IL	HO	116	29,293	1,232	4.2	936	3.2	5.9	32,694
23		Troy & Don Meyer, Maynard, IA	HO	101	28,387	1,241	4.4	931	3.3	6.0	32,476
24		Matthew & Susan Smith, Hudson, MI	HO	90	28,562	1,217	4.3	944	3.3	5.9	32,322
25	*	Andre Weaver, Friendship, WI	HO	129	29,775	1,194	4.0	931	3.1	5.8	32,321
26		Andrew Houlberg, Monticello, WI	HO	143	27,456	1,250	4.6	928	3.4	6.0	32,265
27		Larry & Jennifer Meyer, Chilton, WI	HO	145	29,812	1,170	3.9	959	3.2	5.8	32,236
28	*	Lane Holsteins, Goddard, KS	HO	113	29,672	1,183	4.0	938	3.2	5.8	32,198
29		Jeff & Kate Hendrickson, Belleville, WI	HO	118	29,447	1,182	4.0	940	3.2	5.8	32,127
30	*	Lance & Jonna Schutte, Monona, IA	HO	117	29,011	1,214	4.2	903	3.1	5.8	32,116
150 - 299 Cows											
1	*	Tom Kunkel, Cuba City, WI	HO	278	34,819	1,556	4.5	1,078	3.1	7.2	39,783
2	*	Randell & Lois Brougher, Elsie, MI	HO	268	32,995	1,439	4.4	1,072	3.2	6.9	37,625
3		CR Dairy, Monticello, WI	HO	189	33,408	1,399	4.2	1,097	3.3	6.8	37,434
4	*	Ryan Litwiller, Middleton, MI	HO	279	31,642	1,475	4.7	1,025	3.2	6.8	37,289
5	*	Moo-Ville Farm & Creamery, Nashville, MI	HO	280	32,869	1,401	4.3	1,071	3.3	6.8	37,084

TOP HERDS BY SIZE AND ECM

	3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
6	*	Todd Mark, Elmwood, WI	HO	150	33,316	1,346	4.0	1,135	3.4	6.8	37,008
7	*	Norwood Centennial Farms, Charlevoix, MI	HO	160	33,032	1,389	4.2	1,051	3.2	6.7	36,829
8		River Crest Dairy LLC, Greenwood, WI	HO	258	30,607	1,453	4.7	1,037	3.4	6.8	36,758
9		McAllister Family Dairy LLC, New Vienna, IA	HO	277	32,267	1,399	4.3	1,051	3.3	6.7	36,709
10		Brumm Dairy LLC, Stacyville, IA	HO	293	30,433	1,378	4.5	1,044	3.4	6.6	35,783
11	*	Mark Vanderhyde - Spartan Farm, Sparta, MI	HO	250	28,534	1,488	5.2	930	3.3	6.6	35,715
12		Lehman Dairy, Sherrill, IA	HO	265	30,596	1,365	4.5	1,031	3.4	6.6	35,569
13	*	Templeton Farm, Evansville, WI	HO	176	32,843	1,294	3.9	1,036	3.2	6.4	35,422
14		Bollinger Farms LLC, Vestaburg, MI	HO	210	30,396	1,356	4.5	956	3.1	6.3	34,813
15		C-Dar Dairy LLC, Elkhart, IN	HO	273	31,341	1,290	4.1	1,009	3.2	6.3	34,673
16		Jerangle Dairy, Wakarusa, IN	HO	259	29,437	1,325	4.5	1,028	3.5	6.4	34,649
17		Silvershea Holsteins LLC, Omro, WI	HO	172	31,794	1,291	4.1	974	3.1	6.2	34,566
18		David Dezeeuw, Falmouth, MI	HO	171	31,001	1,287	4.2	998	3.2	6.3	34,439
19	*	Doug Fairbanks, Anamosa, IA	HO	243	30,744	1,313	4.3	963	3.1	6.2	34,424
20	*	Neil Christianson, Shiocton, WI	HO	188	29,800	1,304	4.4	994	3.3	6.3	34,236
21		Doug Roth, Mt. Pleasant, IA	HO	152	29,330	1,326	4.5	966	3.3	6.3	34,153
22	*	Voight Acres, Shiocton, WI	HO	287	31,154	1,247	4.0	1,005	3.2	6.2	34,024
23		John & Peggy Sparrgrove, Castalia, IA	HO	154	29,956	1,288	4.3	983	3.3	6.2	33,995
24		Derek Brimeyer, Sherrill, IA	HO	156	31,177	1,243	4.0	999	3.2	6.1	33,934
25		Golden Corners Dairy, Oconto Falls, WI	HO	286	29,588	1,295	4.4	974	3.3	6.2	33,897
26		Jason & Sara Menne, Postville, IA	HO	151	29,746	1,286	4.3	979	3.3	6.2	33,870
27		Troy & Sara Blazek, Oconto Falls, WI	HO	200	30,168	1,264	4.2	995	3.3	6.2	33,845
28	*	Prairie View Dairy LLC, Fairbury, IL	HO	223	30,672	1,262	4.1	967	3.2	6.1	33,770
29	*	NE IA Dairy Foundation, Calmar, IA	HO	210	28,880	1,291	4.5	978	3.4	6.2	33,644
30		Mike Bosscher, McBain, MI	HO	188	30,304	1,224	4.0	996	3.3	6.1	33,380
300 - 499 Cows											
1	*	Koester Dairy Inc, Dakota, IL	HO	416	35,135	1,667	4.7	1,154	3.3	7.7	41,905
2	*	Kellercrest Reg Hol Inc, Mount Horeb, WI	HO	331	34,226	1,625	4.7	1,153	3.4	7.6	41,056
3	*	Crandall Farms LLC, Battle Creek, MI	HO	351	33,663	1,434	4.3	1,097	3.3	6.9	37,970
4	*	Waterlander Holsteins, Pine River, WI	HO	480	31,885	1,467	4.6	1,052	3.3	6.9	37,472
5	*	Weishaar Family Farm, Westfield, WI	HO	353	33,953	1,408	4.1	1,053	3.1	6.7	37,392
6	*	Ed Walter Farm Inc, Oshkosh, WI	HO	350	32,395	1,403	4.3	1,070	3.3	6.8	36,948
7	*	Curt Kohls, Gillett, WI	HO	499	31,722	1,394	4.4	1,043	3.3	6.7	36,404
8	*	Newell Farms, Trufant, MI	HO	491	32,374	1,357	4.2	1,047	3.2	6.6	36,169
9	*	Berning Acres, East Dubuque, IL	HO	495	31,406	1,368	4.4	1,016	3.2	6.5	35,758
10	*	Granitehill Dairy, Mosinee, WI	HO	420	30,879	1,378	4.5	1,020	3.3	6.6	35,746
11		Darren Rusch, Pound, WI	HO	400	30,150	1,404	4.7	985	3.3	6.5	35,576
12	*	Jeremy Seiler, Carson City, MI	HO	384	32,136	1,324	4.1	1,022	3.2	6.4	35,473
13	*	Neal Burken, Galesville, WI	HO	499	30,902	1,384	4.5	973	3.1	6.5	35,471
14	*	Hulstein Brothers Dairy, Hull, IA	HO	328	31,331	1,296	4.1	1,088	3.5	6.5	35,352
15	*	Whitetail Valley Dairy LLC, Waupaca, WI	HO	329	31,869	1,328	4.2	1,010	3.2	6.4	35,345
16	*	Schwartzhoff Dairy, Dorchester, IA	HO	384	33,231	1,287	3.9	1,011	3.0	6.3	35,267
17	*	Stutzman Family Farms LLC, Conrath, WI	HO	378	31,206	1,344	4.3	988	3.2	6.4	35,167
18	*	Olson's Best Dairy LLC, Shiocton, WI	HO	304	31,092	1,311	4.2	1,038	3.3	6.4	35,085
19	*	Enyart Farms LLC, Postville, IA	HO	350	31,721	1,307	4.1	980	3.1	6.3	34,795
20		Jeff Lambrecht, Kewaunee, WI	HO	317	29,083	1,381	4.7	963	3.3	6.4	34,761
21		Stuart Farms, Lowell, MI	HO	446	29,951	1,334	4.5	972	3.2	6.3	34,505
22	*	KSU Dairy Unit, Manhattan, KS	HO	317	33,350	1,215	3.6	994	3.0	6.1	34,244
23	*	Pasch MBM, Weidman, MI	HO	370	31,783	1,262	4.0	979	3.1	6.1	34,225
24	*	Royal Vista Holsteins LLC, Pickett, WI	HO	402	30,755	1,267	4.1	989	3.2	6.2	34,030
25	*	Maple Leaf Acres, Elk Mound, WI	HO	364	29,613	1,302	4.4	972	3.3	6.2	33,980
26	*	Vande Hei Dairy Farms, De Pere, WI	HO	445	30,726	1,267	4.1	980	3.2	6.2	33,952
27	*	Royal Wood Farms, Brandon, SD	HO	494	28,861	1,361	4.7	880	3.0	6.1	33,795
28	*	Mitchell Dairy & Grain LLC, Winnebago, IL	HO	490	30,037	1,282	4.3	961	3.2	6.1	33,776
29		Bill & Lisa Holland, Apple River, IL	HO	374	29,926	1,274	4.3	967	3.2	6.1	33,682
30	*	Wesselcrest, Greeley, IA	HO	317	28,431	1,294	4.6	985	3.5	6.2	33,589
500 - 999 Cows											
1	*	Top-Deck Farms, Westgate, IA	HO	729	33,323	1,621	4.9	1,066	3.2	7.4	40,043
2	*	Gibbs Dairy, Waterville, IA	HO	675	32,741	1,555	4.7	1,075	3.3	7.2	39,067
3	*	Loehr Dairy LLC, Mount Calvary, WI	HO	573	32,878	1,531	4.7	1,091	3.3	7.2	38,924
4	*	Oesch Swisslane, Alto, MI	HO	554	33,516	1,404	4.2	1,122	3.3	6.9	37,725
5	*	Banner Ridge Farms LLC, Platteville, WI	HO	557	32,787	1,449	4.4	1,070	3.3	6.9	37,671
6	*	Maly Farms, Bryant, WI	HO	513	35,398	1,379	3.9	1,068	3.0	6.7	37,603
7	*	Reuter Dairy Inc, Peosta, IA	HO	988	32,948	1,443	4.4	1,057	3.2	6.8	37,547
8	*	Heimans Holsteins LLC, Marshfield, WI	HO	575	32,829	1,445	4.4	1,053	3.2	6.8	37,503
9	*	Gav-N-View Farm, Lansing, IA	HO	642	31,165	1,492	4.8	1,011	3.2	6.9	37,247
10	*	First Farms, Ionia, MI	HO	707	34,943	1,357	3.9	1,053	3.0	6.6	37,055
11	*	Rusk-Rose Holsteins, Ladysmith, WI	HO	566	32,016	1,459	4.6	1,004	3.1	6.7	37,044
12	*	Janie Blu LLC, Custer, WI	HO	529	31,449	1,433	4.6	1,071	3.4	6.9	37,034
13	*	Blaser Farms Inc, Gillett, WI	HO	632	32,231	1,415	4.4	1,048	3.3	6.7	36,881



TOP HERDS BY SIZE AND ECM

	3X	Herd	Breed	Size	Milk	Fat	F%	Prot.	P%	CFP	ECM
14	*	Sugar Creek Dairy, Elkhorn, WI	HO	634	32,154	1,394	4.3	1,060	3.3	6.7	36,676
15	*	Tim & Carla Kane, Denmark, WI	HO	962	31,803	1,359	4.3	1,060	3.3	6.6	36,108
16	*	Grass Ridge Farm LLC, Pittsville, WI	HO	601	31,058	1,371	4.4	1,062	3.4	6.7	36,035
17		Tim Greer, West Branch, MI	HO	657	29,294	1,531	5.2	863	2.9	6.6	36,008
18	*	Pickart Dairy LLC, Malone, WI	HO	762	32,055	1,314	4.1	1,055	3.3	6.5	35,569
19	*	Car Mer Farm, Galena, IL	HO	577	31,725	1,319	4.2	1,031	3.2	6.4	35,342
20	*	Tony Rosebrugh, West Branch, MI	XX	795	30,693	1,393	4.5	934	3.0	6.4	35,221
21	*	Pebble Knolls Dairy, Brandon, WI	HO	784	29,772	1,354	4.5	1,018	3.4	6.5	35,057
22	*	Gary Sanborn, Hubbardston, MI	HO	719	31,248	1,339	4.3	967	3.1	6.3	34,956
23	*	Egan Bros & Trevor Crain, New London, WI	HO	954	30,289	1,356	4.5	976	3.2	6.4	34,931
24	*	Doug Scheider, Freeport, IL	HO	812	30,969	1,326	4.3	992	3.2	6.4	34,887
25	*	Jo-Eng Dairy Farms, German Valley, IL	HO	868	32,443	1,283	4.0	985	3.0	6.2	34,759
26	*	S & B Dairy Farm, Sigel, IL	HO	783	32,855	1,246	3.8	1,018	3.1	6.2	34,667
27	*	Kevin & Diane Skinner, Junction City, WI	HO	537	31,338	1,297	4.1	996	3.2	6.3	34,663
28	*	Srnka Farms LLC, Algoma, WI	HO	508	32,067	1,286	4.0	976	3.0	6.2	34,606
29		Burke Larsen, Scottville, MI	HO	696	30,858	1,313	4.3	967	3.1	6.2	34,491
30	*	Brightside Dairy LLC, Greenleaf, WI	HO	822	31,537	1,239	3.9	1,037	3.3	6.2	34,291
1,000+ Cows											
1	*	Shiloh Dairy, Greenleaf, WI	HO	3,151	34,082	1,547	4.5	1,112	3.3	7.3	39,685
2	*	Horsens Homestead Farms, Cecil, WI	HO	1,458	33,866	1,479	4.4	1,133	3.3	7.2	38,895
3	*	Oesch Swisslane, Alto, MI	HO	2,090	33,213	1,464	4.4	1,110	3.3	7.1	38,311
4	*	George Kasbergen, Mansfield, IL	HO	3,815	36,391	1,379	3.8	1,115	3.1	6.8	38,288
5	*	Wayside Dairy, Greenleaf, WI	HO	2,615	31,623	1,532	4.8	1,039	3.3	7.0	38,128
6	*	Jmax, Fremont, MI	HO	1,626	33,564	1,432	4.3	1,079	3.2	6.9	37,774
7	*	Abel Dairy Farms, Fond Du Lac, WI	HO	4,338	32,189	1,481	4.6	1,049	3.3	6.9	37,730
8	*	Quantum Dairy LLC, Weyauwega, WI	HO	4,113	31,879	1,488	4.7	1,043	3.3	6.9	37,673
9	*	Valley-Vu Dairy LLC, Cumberland, WI	HO	1,032	31,754	1,452	4.6	1,064	3.4	6.9	37,327
10	*	Rosy-Lane Holsteins LLC, Watertown, WI	HO	1,806	31,015	1,475	4.8	1,055	3.4	6.9	37,314
11	*	Sand Creek Dairy LLC, Hastings, MI	HO	1,113	33,688	1,377	4.1	1,099	3.3	6.8	37,255
12	*	Lew-Max LLC, Belding, MI	HO	1,177	32,807	1,425	4.3	1,043	3.2	6.8	37,161
13	*	Fischer & Clark Dairy, Hatley, WI	XX	1,134	31,585	1,446	4.6	1,037	3.3	6.8	36,987
14		Mark & Becky Iciek, Gladwin, MI	HO	1,283	29,709	1,531	5.2	956	3.2	6.8	36,855
15	*	Yonkman Dairy, McBain, MI	HO	1,949	32,288	1,414	4.4	999	3.1	6.6	36,512
16	*	Seidls Mtn View Dairy, Luxemburg, WI	HO	1,181	33,167	1,360	4.1	1,034	3.1	6.6	36,368
17	*	Minglewood Inc, Deer Park, WI	HO	1,321	30,104	1,430	4.8	1,034	3.4	6.8	36,273
18	*	Five Star Dairy, Elk Mound, WI	HO	1,045	30,046	1,435	4.8	957	3.2	6.6	35,729
19	*	Lucky 7 Dairy, McBain, MI	HO	2,094	32,058	1,310	4.1	1,037	3.2	6.4	35,381
20	*	Chad Beck, West Branch, MI	HO	1,200	29,098	1,453	5.0	912	3.1	6.5	35,308
21	*	Dean Meyer, New Albin, IA	HO	2,563	27,974	1,468	5.2	934	3.3	6.6	35,303
22	*	Dairy Dreams, Casco, WI	XX	6,592	28,893	1,392	4.8	1,021	3.5	6.6	35,285
23	*	Kevin & Lisa Collins, Greenleaf, WI	HO	1,564	31,049	1,338	4.3	1,019	3.3	6.5	35,275
24	*	Brickstead Dairy LLC, Greenleaf, WI	HO	1,054	30,951	1,328	4.3	1,025	3.3	6.4	35,160
25	*	Many Blessings Dairy Inc, McBain, MI	HO	1,987	31,287	1,328	4.2	1,010	3.2	6.4	35,155
26	*	United Pride Dairy LLC, Phillips, WI	HO	1,810	29,752	1,364	4.6	1,006	3.4	6.5	35,089
27	*	Allen Vande Hei, Seymour, WI	HO	1,176	30,945	1,322	4.3	997	3.2	6.4	34,866
28	*	Cross Farms, Oshkosh, WI	HO	2,680	31,895	1,282	4.0	1,021	3.2	6.3	34,842
29	*	El-Na Farms LLC, Algoma, WI	HO	2,493	31,339	1,305	4.2	1,005	3.2	6.3	34,836
30	*	Todd Augustian, Kewaunee, WI	HO	1,174	30,727	1,291	4.2	1,026	3.3	6.3	34,615

KEY PERFORMANCE INDICATORS

CENTRALSTAR DHI HERDS
2,019 HERDS
761,536 COWS

AVERAGE +5.1 CFP

TOP 10% +6.3 CFP

TOP 10% +34,608 ECM

AVERAGE ECM +27,669

TOP 10% +30,661 MILK

TOP 10% +988 PROTEIN

TOP 10% +1,311 FAT

AVERAGE HERD SIZE 399

AVERAGE +24,590 MILK

AVERAGE +801 PROTEIN

AVERAGE +1,043 FAT

GET MORE FROM DHI

A BEEF ON DAIRY MARKET OUTLOOK

The price is RIGHT... but will it ALWAYS be?

Lauren Kimble, Manager of ProfitSOURCE® Supply Chains

It's no secret why beef on dairy calf prices soared higher in 2025. The beef-cow herd, reduced by mass liquidations over the past few years due to drought, input costs, and interest rates, was at its smallest in decades at just 27 million (Figure 1). This decline has made beef on dairy calves essential to keeping feedlots at capacity. This domestic decline in beef cattle, alongside the screwworm-driven border closures preventing American feeders from sourcing Mexican cattle to fill their yards, drove feeder-calf prices up, up, and away to an average nearing $400/cwt (Figure 1) in the fall of 2025. The cow-herd has yet to show large signs of rebuilding. According to Dr. Derrell Peel, heifer retention from calf crops has not seen a true uptick yet, though the liquidation of mature cows at least seems to have slowed – indicating we are in for high-calf demand for some time yet[1]. But, for how long?

The September USDA Livestock, Dairy, and Poultry Outlook[2] indicate that both cattle harvests and feedlot placements, alike, were low through 2025. To compensate for low supply of incoming cattle, feeders have been tending to keep cattle on feed longer to keep pens in utilization, meaning additional slowing of harvests. Beef export and import considerations became volatile through late 2025, but beef consumption didn't seem to slow.

So, what does this mean for dairy producers in the U.S.? A few key strategies will keep producers on track no matter when or how the market changes.

1. Herd and inventory management

Per Figure 2, calf prices soared, with average sale-barn highs climbing closer to $2,000 per calf. Understandably, it becomes increasingly important to strike the right balance between creating enough replacements while taking advantage of high calf prices, given the replacement-heifer population has also been at an all-time low. "Our goal through CentralStar's reproductive and genetic consulting services is to make every calf count," says Regional Consulting Manager Emily Middleton-Gyomory. "By using our inventory-monitoring tool and SMS®, producers can identify the sweet spot in herd management, producing the optimal number of heifers, balancing beef on dairy with replacement needs, and boosting both milk production and genetic progress." The support of a trusted team helping to keep eyes on the trends can be the tipping point between being reactive or proactive to market developments.

2. Calf-risk management

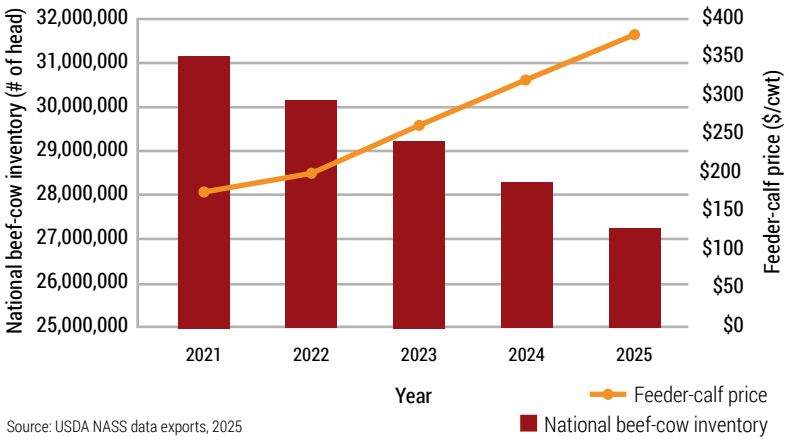
$2,000 for a one day-old beef calf is certainly a welcome source of revenue in the current milk market. However, consider more than just the calf price, and profit can quickly and stealthily be stripped away without careful management.

➔ Fertility. Days open has a cost, and a sneakily cumulative one at that! The quick benefit of a few more dollars promised on a day-old-calf price can easily be wiped away when semen of unknown-processing quality or undocumented fertility is used. Select Sires ProfitSOURCE brings together on-farm results and a true, statistical evaluation to make beef selection less of a gamble and more of a security.

➔ Genetics. At this point in time, all available calves are needed by growers and feeders, and thus the pricing signals may say any ol' bull will do. However, we continue to hear from feeders and growers that they know exactly which kinds of calves keep their business moving forward. In fact, some of those "any ol' beef bulls" are no-go's when growers see them being used on a farm. No quality means no bid or only a low bid! Building relationships and integrity with ProfitSOURCE will set up producers for the best-possible outcome when growers and feeders have the opportunity to differentiate prices, again.

➔ Calf health. $2,000 is great – given the calf actually lives. Remember that many buyers operate under a standard protocol, whereby calf mortality within the first 24 hours of arrival means no calf payment. That means we need to set up calves for success throughout transport-and-arrival processing in order to benefit from our

Figure 1. Feeder-calf prices and national cow herd



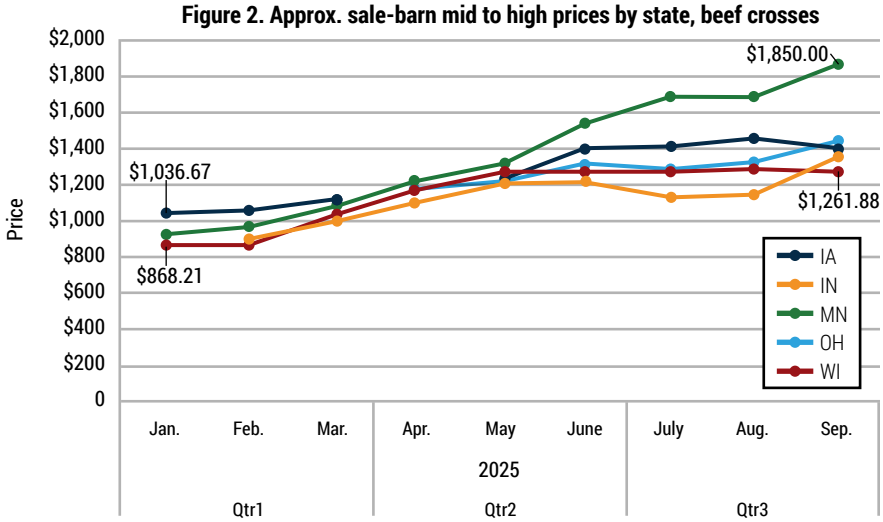
Source: USDA NASS data exports, 2025

beef inputs. Proper colostrum management and newborn protocols can help prevent the blow of missing out on a sizeable calf check. Herd-management solutions available through CentralStar can help when it comes to colostrum solutions and personalized ProfitSOURCE protocols. Producers may also wish to investigate Livestock Risk Protection (LRP) as a potential strategy for mitigating risk while managing high-quality beef inputs on-farm.

While the price is right for now, and may be for some time, producers can ensure this favorable beef market is not just a blip on the radar, but a long-term success with a forward-thinking ProfitSOURCE beef on dairy strategy.

[1]Rook, 2025. USDA Cattle on Feed Bullish, Inventory Report Confirms Record Low Herd;
[2]USDA, 2025. Livestock, Dairy, and Poultry Outlook: September 2025

Figure 2. Approx. sale-barn mid to high prices by state, beef crosses



Source: Weekly internal collection of various sale-barn results across the central U.S.

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GET MORE

What are YOU missing?

Your herd's performance is more than what meets the eye. Without complete data, problems go unnoticed, and opportunities are missed. DHI testing fills the gaps, giving you a clear view of each cow's health, production, and potential.

Early-lactation monitoring. From dry-cow cure rates to subclinical ketosis and peak milk trends, DHI reveals what bulk-tank averages can't. These insights translate into healthier cows, higher milk, and stronger profits, because you can't manage what you can't measure.

Reproductive performance. Every extra day open costs money. DHI data helps you spot where reproduction is lagging including, delayed first service, missed heats, or dips in conception rates. By finding issues early, you can keep calving intervals on track, maintain steady milk production, and protect your bottom line.

Keeping rations on point. Butterfat, protein, and fat-to-protein ratios tell the real story of your herd's nutrition. Monitoring DHI trends and working with your nutritionist lets you fine-tune rations, prevent metabolic issues, and keep cows performing at their best.

Without DHI data, you might be missing the full picture. Scan the QR codes and see what CentralStar Consultants share about how to use DHI data to make more profitable decisions every day.

Careers that GET MORE

GET MORE from your team

"If you love working with cows, being outdoors, and want a career that doesn't feel like a typical 9-5, CentralStar is a great fit," said Zach. "You'll be part of a supportive team, have opportunities to grow, and actually enjoy what you do -- because when you love your work, it doesn't feel like work.

In addition, starting off as a Relief Team A.I. Technician, I was able to see a wide variety of farms and build a strong knowledge base, while also creating a network of teammate mentors and industry talent. Now, as an A.I. Specialist with my own territory, this experience and network allows me to provide different options for my customers, so we can find the best protocols that fit their farms and help them GET MORE with CentralStar."

A.I. SPECIALIST ZACH ZERNICKE

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Find my Cow Flash is designed to save time, cut labor costs, reduce lock-up time and increase accuracy on your dairy.

SCAN NOW

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AHEAD OF THE HERD TOGETHER

www.cowmanager.com

How top dairies use CowManager to boost HERD HEALTH and PRODUCTIVITY

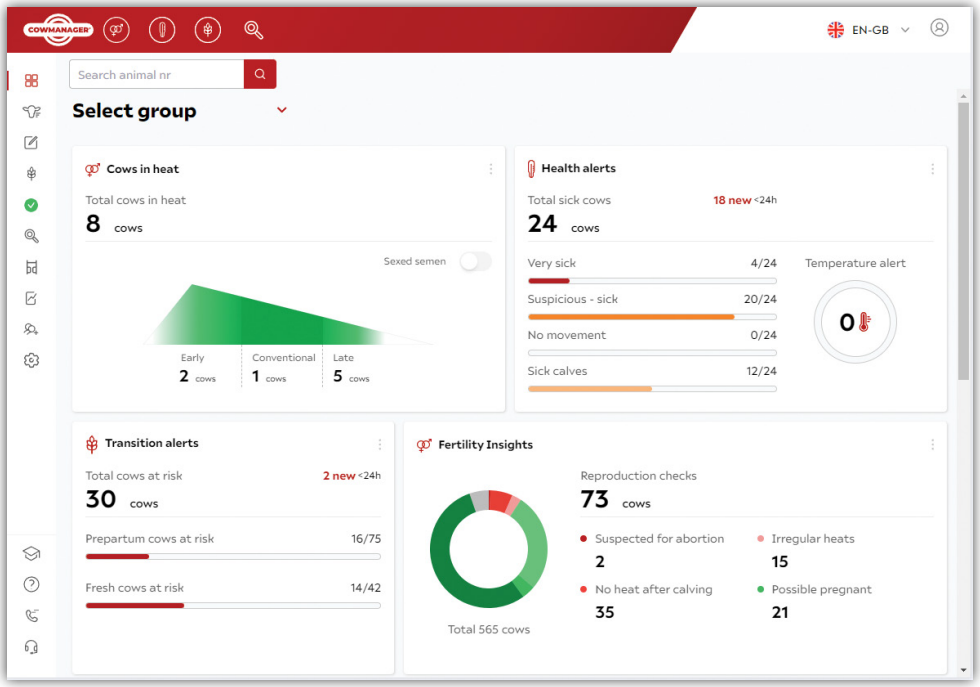
Jared Krull, Vice President of Sales & Service, CowManager North America

Year one with CowManager® is often about trust. Year two is about unlocking potential. Once CowManager is installed, producers spend the first several months learning the alerts, understanding the technology, and building confidence in the system. The CowManager ear sensors measure behavior and temperature. Based on this data, both individual and group alerts are calculated.

The dashboard is an easy-to-use visual representation of real-time data to simplify daily routines. All relevant alerts and insights are displayed in one place through various widgets. The onboarding process ensures producers know how to respond to alerts and leverage the basics. Year two is where proactive management, integration, and team consistency turn insights into measurable impact. Here's how top dairies make that shift.

Moving beyond basics

After year one, the real value emerges when integration deepens between CowManager and on-farm management systems. These integrations increase efficiency by reducing double entry and streamlining workflows. For example, CowManager integrates with herd-management software to synchronize cow data and monitor compliance more effectively, ensuring farm protocols are consistently followed. When pregnancy check results are integrated with herd-management software, it becomes easier to identify discrepancies in protocol execution. The level of impact depends on herd size and management style, but nearly every dairy can unlock value by advancing these integrations.



Collected cow data is converted into clear graphs and alerts, all immediately accessible in a single Dashboard overview.

The overlooked details

Compliance is not just about following protocols, it is about protecting profitability. Too often, basic compliance such as tag maintenance gets overlooked. Low batteries on multiple tags can compromise accuracy and trust in the system, no different than missing steps in a breeding protocol.

Consider this: What if an employee skipped part of the Ovsynch sequence? Breeding effectiveness would plummet, leading to more days open, lower conception rates, and ultimately higher costs. By monitoring alerts and compliance through CowManager, these breakdowns can be caught early.

Continues on next page...

BEYOND THE BASICS

GET STARTED

Continued from previous page...

Breeding and reproduction strategy

CowManager data allows tracking of historic heats and real-time compliance. For example, if three open cows showed heat alerts but were not inseminated before the next vet check, how would that affect palpation rates? If heat alerts were correlated with insemination records, how many days open could be saved? These "what if" analyses highlight not only the cost of inaction but the profitability of improved compliance.

Producers should ensure optimal utilization of Fertility Insights by reviewing management settings within the CowManager web application. Parameters such as average cycle lengths, deviations from norms, and voluntary-waiting periods can be customized to align with specific herd requirements.

Health and transition management

The same concept applies to health. What if a review of cows that were sold or died revealed missed sick alerts? What if transition cows were managed by listening to eating minutes instead of relying solely on pen moves?

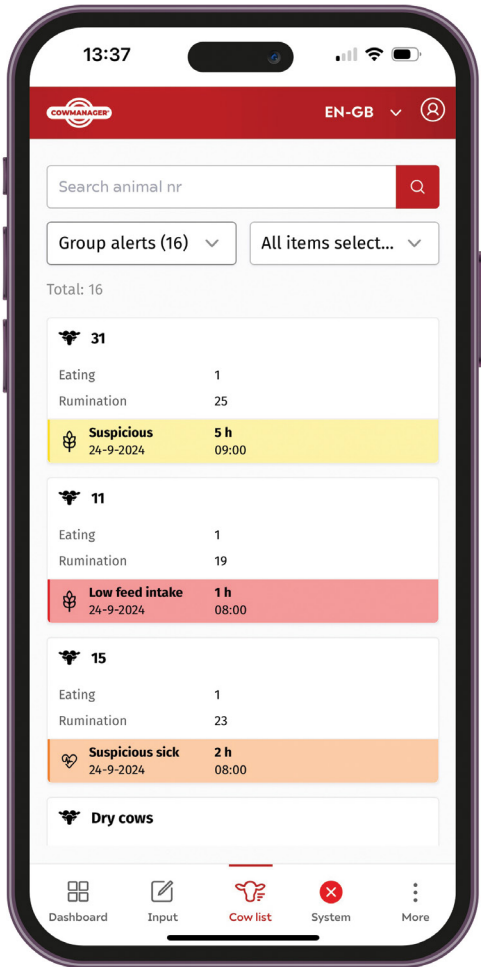
With CowManager, producers can "listen to the cows." For example, eating-time data in the fresh pen can identify at-risk animals before visible symptoms. These proactive shifts can reduce treatment costs, improve survival, and shorten recovery times. Tools within CowManager help detect transition diseases such as ketosis and mastitis up to 50 days before calving. This simplifies transition management, especially when symptoms are difficult to detect naturally. With 75% of adult-cow diseases occurring in the first 30 days after calving, early intervention makes a significant difference.

Symptoms of ketosis, such as loss of appetite, weight loss, and sweet-smelling breath, are difficult to detect early without monitoring. Likewise, early signs of mastitis, including swelling, heat, or hardness in the udder, are easily missed, especially in large herds. Mastitis severely affects milk production, making early identification critical to both animal health and business performance.

Team approach to success

The dairies that have the most success with CowManager use it as part of a broader team strategy. Consultants, veterinarians, and nutritionists are brought into the data conversation. After year one, involving this advisory team becomes even more valuable. Together, they shape protocols, adapt management practices, and find new efficiencies that drive profitability.

The difference between "working" and "winning" often lies in consistency. Employees must interpret alerts the same way every time. Multiview enables consultants, veterinarians, and nutritionists to participate, turning individual data points into shared strategies. Simple SOPs for common alerts ensure that whether it is a heat detection or a sick-cow alert, everyone knows the next step.



With the low-feed-intake-group alerts, producers are able to detect severe drops in the group's eating pattern.

Looking deeper

CowManager also offers opportunities to connect cow data with genetics. By analyzing how specific genetic indexes correlate with health alerts, producers can identify traits linked to stronger performance. This influences both current-herd decisions and future-breeding strategies.

Year one establishes trust in CowManager. Year two is where real potential is unlocked through integration, compliance, data-driven protocols, and team collaboration. By moving from reactive to proactive management, dairies shift from simply "using alerts" to truly transforming herd performance.

CowManager works. The question is: Are you using it to its full potential? Talk with your CentralStar team about CowManager and how to unlock its full potential.

FRESH COW INDEX: ONE NUMBER TO SEE TRANSITION SUCCESS

FRESH FOCUS

Fresh Cow Index® (FCI®), a new metric within the HerdHQ® platform, is featured in FreshFocus transition cow reports inside DairyDepot®. FCI combines 25 variables from DHIA test-day data and CDCB genetic evaluations into a single score that makes transition cow performance easy to evaluate. A score of 100 means expected performance — cows above 100 are outperforming predictions, while those below 100 are at higher risk of underperformance and early culling. Developed with the University of Florida using data from over 3 million cows, FCI connects higher scores with lower culling rates, higher peak milk, and higher 305-day yields.

DRMS

See What's Happening in Your Herd with HERDHQ.

Fresh Cow Index is now available in DairyDepot FreshFocus reports — with drill-down in CowCompass® for individual cow detail.

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SCOURING DAIRY CALVES TREATED WITH ANTIBIOTICS GAVE 1,086 LBS. LESS MILK DURING THEIR FIRST LACTATION.[1]

See page 5p for ways to help prevent scours.

CALF SCOURS PROTOCOL

CALF DEVELOPMENT PROTOCOL

Which supplement is right for your calves?

When a calf is born there is an immediate and constant barrage of environmental challenges trying to "destroy" your newest and most promising genetic investment. How much support do your calves need? Below are solutions to address the light (●), moderate (●), and heavy (●) challenges your calves face.

BIRTH TO 500 LBS.	At Birth	Immune Support	Appetite Enhancer	Dehydration	Transition	Scours	Stress (Vaccination, dehorning, transport, etc.)	Respiratory Support	Beef on Dairy	Show Animals
AccelAIRate		●	●			●	●	●	●	
Accel Energy *(cold weather support)*		●					●			
Accel RS		●	●	●		●		●		
BioCycle® Showcase		●	●		●		●			●
Calf Accelyte			●	●		●	●			●
CONVERT™ Day One Calf Gel / Bolus	●	●	●	●	●	●	●	●	●	●
CONVERT™ BIG Calf	●	●	●	●	●	●	●	●	●	●
FerAppease®			●		●		●		●	●
First 21		●				●	●			
First Day Formula Colostrum Replacer	●	●	●							
First Day Formula Colostrum Replacer Deluxe	●	●	●							
First Day Formula Colostrum Supplement	●	●	●							
Tri-Mic WD		●	●		●	●	●		●	●
Tri-Purify						●				
Tri-Start Jr	●	●	●	●	●	●	●	●	●	●
Tri-Start Jr Plus	●	●	●	●	●	●	●	●	●	●

[1]Dairy Calf Management Practices Impact Future Production, University of Kentucky, Donna M. Amaral-Phillips.

Prices and availability are subject to change without notice.

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AC9006 - Multi Dose 60cc **$18.50**
AC9041 - Day One Calf Bolus 40ct **$190.00**

CONVERT™ BIG Calf Powder

Assists calves from birth through weaning while consuming milk or milk replacer. Stable beneficial bacteria (1 billion CFU's) and egg-based specialized proteins improve nutrient absorption, restrict pathogen growth, enhance immune function, and stimulate starter-feed intake. Field-trial shows improved daily feed intake and lung scores. Mix 5g with colostrum or milk for the same benefits as 15ml of CONVERT Gel.

AC9058 - 12.5lb pail **$565.00**
AC9059 - 2.2lb jar **$129.00**

TRI-START JR - Maroon Bolus

A direct-fed microbial bolus that benefits both the rumen and intestinal tract of calves. Each capsule has a guaranteed viable (live) count of 20 billion colony forming units (CFU) of naturally occurring microorganisms. Helps to stimulate feed intake during periods of change. Contains beneficial microbes to jump-start a calf's stalled digestive system.

A0052 - 36ct **$52.00**

TRI-MIC WD

A probiotic source to improve digestive microflora. Promotes the early establishment of beneficial digestive bacteria necessary for proper digestion of milk and grain. Aids in rumen development when transitioning to a dry feed. Reduces the occurrence and severity of scours and helps re-establish digestive bacteria following antibiotic treatment, illness, or environmental stress.

A0048 - 500gram **$24.00**
A0049 - 5kg Pail **$195.00**

TRI-START JR.+ Paste

Helps stimulate feed intake during periods of change. Contains live, viable, naturally occurring microorganisms, a short-chain fatty acid, egg protein (IgY), vitamins, and selenium. Enhances the environment of the digestive tract to activate the naturally occurring beneficial digestive microbes.

A0622 - Single Dose 15cc **$8.95**
A0623 - Multi Dose 60cc **$22.00**
A0651 - Multi Dose Tube 300 cc **$85.00**
A0551 - 300 cc Paste Tube Applicator **$30.00**

Select BioCycle® Showcase

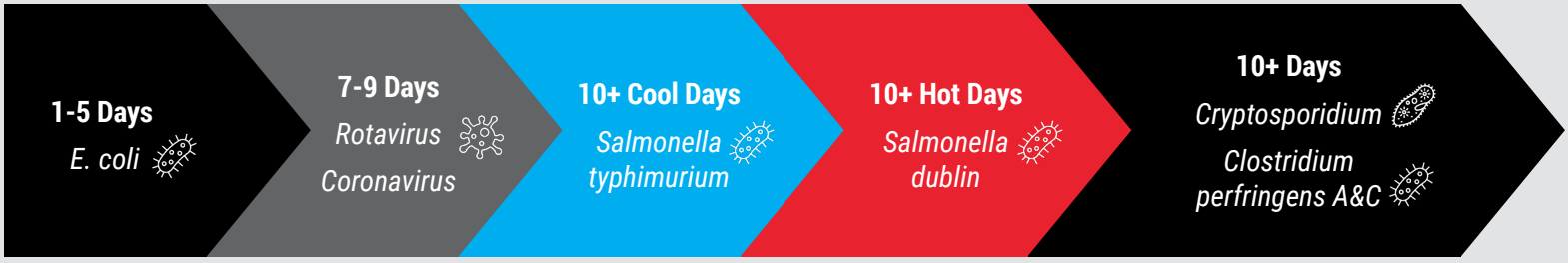
Improves digestion and immune function, helping to protect dairy and beef animals of all ages against environmental challenges. A concentrated form of BioCycle, Showcase is supplemented with increased enzyme levels and *Bacillus,* which is shown to improve gut health, growth, and hair growth. Showcase keeps animals healthy and eating during times of stress from transportation to changes in feed and water. Feed to young animals to get an aggressive appetite to improve gain and hay intakes. Feed to show animals at shows to mitigate stress from change in environment and water.

AC9300 - 12.5lb **$190.00**
- 10+ Pails **$176.50**

Broad-spectrum pathogen coverage

CONVERT and Tri-Start JR+ offer broad-spectrum coverage for the most common calf pathogens.

Viral **Protozoal** **Bacterial**



This chart is an approximation and is not intended to diagnose any disease. The use of fecal cultures and laboratory analyses is the best way to isolate the organism responsible for the on-farm challenge.

SCAN TO ORDER ONLINE

Milk Replacers & Supplements

First Day Formula®

Fortified with essential vitamins and chelated trace minerals. High-quality whey protein concentrate from select Grade A dairies, free of organisms causing colostrum-transmissible diseases, like Johne's disease. Each dose contains 150 IgG. CR Deluxe includes First Defense Technology™.

A0043 - CR (replacer or supplement) 500gram **$45.00**
A0044 - CR (replacer or supplement) 20lb **$745.00**
A0045 - CR Deluxe (replacer) 500gram **$52.00**
A0046 - CR Deluxe (replacer) 20lb **$875.00**
A0047 - CS (supplement) 200gram **$17.00**

First 21™

Bridge the immunity gap during the first three weeks of life. Available as a complete milk replacer or nutritional supplement. Incorporates three natural sources of antibodies (plasma, egg yolk, and colostrum) to promote gut health and immune support.

A0080 - Complete Milk Replacer 50lb **$96.75**
A0083 - Supplement 20lb **$225.00**

Misco Digital Refractometer

Test colostrum to determine quality and IgG scale. Measures colostrum quality and serum total protein.

A0667 - Colostrum quality/serum total protein **$570.00**
A0668 - Colostrum quality, serum total protein, milk solids %, or hydration **$665.00**

Accel Energy

An energy supplement containing 60% fat and 7% protein with added vitamins and minerals. Add to milk replacer or whole milk during cold weather stress. Provides readily utilizable energy via spray-dried animal fat to increase the calorie content in a calf's diet.

A0035 - 25lb **$58.00**

Accel Milk Fortifier Medicated

Supplements pasteurized waste milk deficiencies of essential nutrients which support immune development, calf health, and growth.

A0066 - 25lb **$159.50**

Milk Replacers

Stocked Milk Replacer

Unique manufacturing technology results in a 100% instantized product. Powder combines with minimal mixing. Mos* is included in each formulation at research levels to promote gut and intestinal health. Chelated (organic) trace minerals are used to support growth and immune function. Tri-Mic WD in all formulas, optimizes feed intakes and utilization, digestive health, and immune system response. Bovatec® is available for control of coccidiosis.

Orders less than a pallet limited to Wisconsin. Pallet orders available anywhere. Discounts available on pallet, multi-pallet, and semi-load orders. Call for pricing. Shipping charges apply, call for quote. *Mos increases appetite, normalizes gut microflora, and reinforces the digestive tract.

Code	Description	Protein Source	% Protein	% Fat	Guaranteed Analysis			Chelated	AccelAIRate	Medication
					IU/lb Vit A	IU/lb Vit D_3	IU/lb Vit E	Mineral/Selenium		
A0061	APL Calf Accelerator*	APL	26	20	30,000	5,000	200	YES	NO	Bovatec®-43 grams/ton
A0069	Performance Plus	All-Milk	20	20	30,000	10,000	150	YES	NO	NO
A0070	Performance Plus	All-Milk	20	20	30,000	10,000	150	YES	NO	Bovatec®-90 grams/ton
A0071	Performance Plus*	All-Milk	20	20	30,000	10,000	150	YES	NO	Bovatec®-90 grams/ton
A0074	Hi-Performance Plus	All-Milk	22	20	30,000	10,000	200	YES	NO	NO
A0075	Hi-Performance Plus	All-Milk	22	20	30,000	10,000	200	YES	NO	Bovatec®-90 grams/ton
A0076	Hi-Performance Plus*	All-Milk	22	20	30,000	10,000	200	YES	NO	Bovatec®-90 grams/ton
A0078	Calf Accelerator	APL	26	20	30,000	5,000	200	YES	NO	Bovatec®-43 grams/ton
A0079	28-26 Jersey	All-Milk	28	26	20,000	2,500	100	YES	NO	Bovatec®-72 grams/ton
A0090	22-20 AM DFM MOS AIR BOV	AM	22	20	30,000	10,000	200	YES	YES	Lasalocid 72g/ton
A0091	22-20 AN DFM MOS AIR Fly BOV*	AM	22	20	30,000	10,000	200	YES	YES	Lasalocid 72g/ton
A0092	24-20 APL DFM MOS AIR BOV	APL	24	20	30,000	10,000	200	YES	YES	Lasalocid 72g/ton
A0093	24-20 APL DFM MOS AIR Fly BOV*	APL	24	20	30,000	10,000	200	YES	YES	Lasalocid 72g/ton

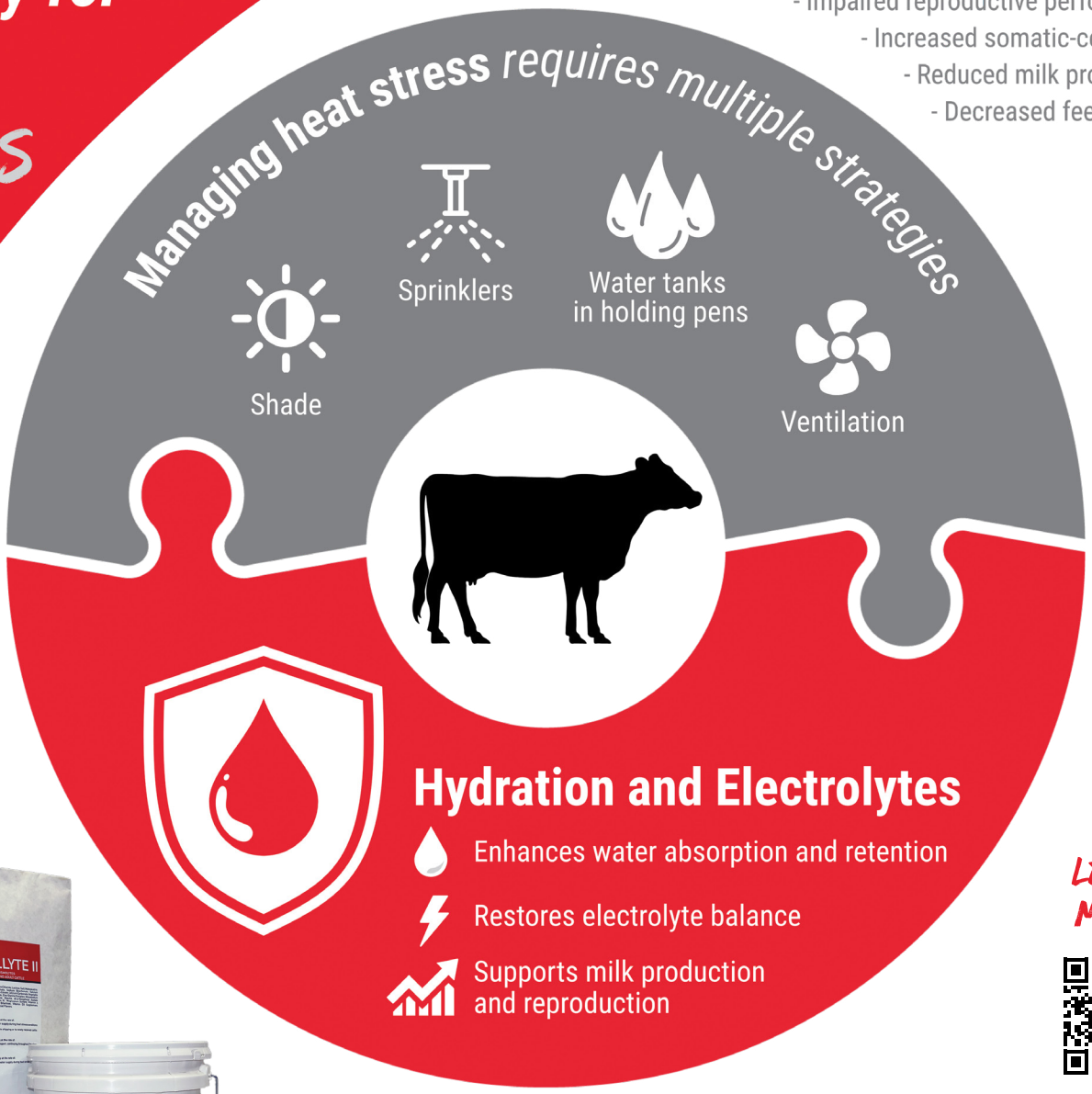
**Formulated with Clarifly® seasonally and may require volume purchase.*

Prices and availability are subject to change without notice.

An overlooked strategy for HEAT STRESS

Effects of heat stress:

- Long-term negative effects on offspring
- Impaired reproductive performance
- Increased somatic-cell count
- Reduced milk production
- Decreased feed intake



LEARN MORE!

BOVINE ACCELLYTE II

WHAT IT DOES: Promotes feed and water intake which helps restore electrolyte functions and water retention to prevent losses due to dehydration.

HOW TO USE: Mix in feed or water and feed continuously through the summer or start two days before extreme heat and continue as long as needed.

RESEARCH: In a 2023 Texas trial, cows given Bovine Accellyte II required two fewer services per conception compared to the prior summer.

*"I've seen a lot of success with **Bovine Accellyte II**, because it helps cows stay hydrated, feel better, and keep producing, even during heat stress. The electrolytes and dextrose give cows the energy they need to bounce back from heat stress, freshening, or even a tough haul. The osmolytes help keep cells hydrated. When cows feel better, they perform better, and that's exactly what producers I work with notice. That's why they keep using it year after year."*

- Bob Brock, Area Sales Manager

Environmental & Management Events

Calf Accellyte

A complete electrolyte. Contains potassium and sodium to replenish electrolytes and restore proper fluid balance. Blended with glycine and citrate to improve electrolyte and water absorption. Dextrose provides nutritional energy and buffers to help minimize metabolic acidosis. Easily mixes with water.

A0053 - 3.6lb	**$31.00**
A0054 - 10lb	**$75.00**
A0055 - 25lb	**$169.50**

ACCEL RS

A recovery solution aiding in hydration and digestive health for calves. Contains Tri-Mic WD as a source of live, viable, naturally occurring microorganisms. Accel RS works to restore, re-energize, recolonize, and rehydrate calves.

A0596 - Single Dose 4oz	**$4.50**
A0599 - 6lb	**$70.00**
A0597 - 25lb	**$172.00**

ACCELAIRATE

Alleviates symptoms of respiratory disease and supports recovery from respiratory distress. Helps reduce irritation of the throat and suppresses coughing, stimulates appetite, and drives feed intake. Contains Mannon-Oligosaccharides (MOS), Beta-Glucans, and Nucleotides to protect against secondary pathogens.

A0040 - 4.4lb	**$72.50**
A0041 - 22lb	**$299.50**

Tri-Purify - Blue Bolus

Dietary feed supplement that provides pure, natural essential oils that have a strong antibacterial effect to improve the natural immune system. Combines live, naturally occurring microorganisms to enhance the environment of the digestive tract. Contains nutraceuticals, intestinal bacteria, and live cell yeast; to reduce the severity and occurrence of scours.

A0051 - 36ct	**$92.00**

Calf Coats

Select Sires Calf Coat

Provides additional protection to calves during cold weather. Made with our exclusive insulation which wicks moisture away from the calf and provides superior thermal capabilities. The outer shell is made of high-strength polyester with a urethane back, making it water resistant. Machine washable and durable against the harshest conditions. A smooth, quilted liner provides warmth and comfort for the calf. Small fits Jersey calves and large fits Holstein calves. Embroidered with the Select Sires Logo.

A0605 - Single Insulated Small	**$37.00**
A0606 - Single Insulated Large	**$37.00**

Sanitizer

EfferSan™ Sanitizer

Sanitizes 99.999% bacteria in 60 seconds. Registered on the Disinfectants for Emerging Viral Pathogens (EVPs) list, can be used against SARS-CoV-2, SARS-CoV-2 – Delta Strain, monkeypox, and respiratory syncytial virus (RSV) when used in accordance with the directions as a disinfectant on hard, non-porous surfaces. Offers 100 times more killing power and effectiveness, while being safer than bleach.

S270 - 24ct	**$24.58**
S271 - 100ct	**$77.00**
S272 - Spray Bottle	**$6.67**

ON-FARM TRIAL

ACCELAIRATE

On-farm results show AccelAIRate reduced pneumonia treatments, lowered antibiotic use, and improved average daily gain. Feed through milk, milk replacer, water, or dry feed for 10 days before and during stress events to support respiratory health

LEARN MORE!

Commercial dairy in South Dakota

3,100 Jersey and BxD Calves

Reduced pneumonia treatments by more than **72.6%**

Increased average daily gain by up to **0.55 lb**

Calf Housing

Calf-Tel® "O" Series (Outdoor)

Hutches designed specifically for outdoor use. No matter the size or scope of your operation, Calf-Tel products can help improve labor efficiency, calf health, and overall profitability.

A0625 - Deluxe II Left Opening 24|74 **$405.00**
A0626 - Deluxe II Right Opening 24|74 **$405.00**

16% more interior space than competitive models and one-of-a-kind customizable ventilation. All plastic extrusion base makes hutches virtually impervious to destruction. Deluxe hutch parts box includes: feed door, double inside pail holder, two black pails and fence attachment hardware. L-rod sold separately.

A0372 - XXL Left Opening 35|85 **$475.00**
A0373 - XXL Right Opening 35|85 **$475.00**

A0625 - Deluxe II

A0372 - XXL

Calf-Tel® "I" Series (Indoor)

Easy to configure indoor calf pens to make the most of your space and time. Ultra-durable with a wide range of available accessories. Effective and economical solution for raising calves indoors.

A0376 - Calf Pen Back Airmax **$113.00**
A0377 - Calf Pen Back Vented **$98.00**
A0380 - Calf Pen Front Generation 3 **$223.00**
A0382 - Calf Pen Side 4.5' & 2 rods **$118.00**
A0383 - Calf Pen Side 6' & 2 rods **$148.00**
A0384 - Calf Pen Side 7' & 2 rods **$153.00**

A0376 - Calf Pen Back Airmax

A0377 - Calf Pen Back Vented

Complete Pen System

Group Housing

A0375 - MultiMax Calf Hutch Assembled **$975.00**
A0710 - Mammoth Unassembled Hutch **$2,675.00**

Ten square meters of total footprint, more space for calf growth and easier management. Rear and side openings provide continuous and adjustable air flow. Measures 2.1m tall x 3m wide x 3.5m long. Non-stocked item. Call for freight cost.

12-16 Slanted or VFront Mammoth Group Yard System **$2,199.00**

A0710 - Mammoth

Calf-Tel® Accessories

A0393 - Bottle Holder Hutch mounted 2qt	**$16.50**
A0394 - Bottle Holder Hutch mounted 3qt wide	**$22.00**
A0395 - Bottle Holder Hutch mounted 3qt & 4qt	**$19.00**
A0398 - Bottle Holder Pen mounted 2qt	**$12.00**
A0399 - Bottle Holder Pen mounted 3qt & 4qt	**$14.00**
A0400 - Bottle/Nipple Set 2qt	**$12.00**
A0401 - Bottle/Nipple Set 3qt	**$12.50**
A0402 - Bottle/Nipple Set 4qt	**$14.50**
A0407 - Calf Nipple Super	**$4.50**
A0409 - Calf Pail Black	**$6.00**
A0410 - Calf Pail White	**$6.00**
A0417 - L-Rod Pen	**$10.44**
A0433 - L-Rod Hutch	**$5.00**
A0437 - Pail Holder Fence Mounted Double	**$13.00**
A0438 - Pail Holder Fence Mounted Single	**$10.00**
A0590 - Bottle Chute Fence mounted 2qt	**$17.00**
A0598 - Calf Pail Fence Mounted Black	**$11.00**
A0600 - Calf Pail Fence Mounted Gray	**$11.00**
A0628 - Bottle Chute Pen mounted 2qt	**$13.00**

A0417 - L-Rod

A0590 - Bottle Chute

A0409 - Calf Pail

A0393 - Hutch Bottle Holder

A0407 - Bottle Nipple

A0402- Bottle

A0398 - Bottle Holder

A0598 - Hutch Mount Pail

CentralStar
800.631.3510 • www.mycentralstar.com

COW PRODUCTS

ONE CASE OF SUBCLINICAL KETOSIS CAN COST $289 IN LOST MILK, REPRO CHALLENGES, AND CULLING RISK.[1]

[1]https://dellait.com/dairy-research-center/reports/economic-impact-of-fresh-cow-diseases-on-farm-profitability/

Which supplement is right for your cows?

Healthy cows produce more high-quality milk, breed back easier, require less time and labor to manage, and live longer. How much support does your herd need? Below are solutions to address the light (○), moderate (◉), and heavy (●) challenges your herd faces.

	Fresh Cow Support	Immune System Support	Mycotoxin Challenges	Erratic Manure	Ketosis Symptoms	Poor Feed Intake	Aborts, Early Embryonic Death	Low Production	High SCC	Poor Reproductive Performance	Inflammation	Beef	Show Animal Stress
Accel Fortifier 1:50	◉	●					◉	○		●		●	
BioCycle®	●	●		◉		◉		◉	◉	●		●	○
BioCycle Plus®	◉	●	●	●	◉	●	●	●	◉	●		●	○
BioFresh® Microbial Bolus	●	●				◉		○	●			●	◉
BioFresh® Microbial Gel	●	●				◉		○	●			●	◉
Bovikalc®	●	○											
Bovine Accellyte II	◉					◉		◉				◉	◉
Cow Start™ Complete	●	●			◉	●					●		○
DTX™		○	●	●	◉	●	●	●		◉		●	
FerAppease®	●											●	●
Freshen Up®	●	●			◉							●	
Tri-Mic 1:50	●	●		○		●		○		○		●	◉
Tri-Start Bolus	●	●				●						●	●

SCAN TO ORDER ONLINE

Direct-Fed Microbials

Select DTX™

Research-tested and field-proven effective for protecting cattle against mycotoxin challenges. Proprietary cell wall deficient bacteria provide broad-range protection against mycotoxins. Use when symptoms are present and feed tests show problems. Available in concentrate for easy mixing at feed mills.

AC9004 - 45lb	**$275.00**
- 10 to 35 boxes	**$265.00**
- 36+ boxes	**$250.00**
AC9009 - Concentrate 50lb	**$381.00**
- 40+ bags	**$285.00**

Select BioCycle® Plus

Boosts immune function, protects against changing weather and environmental conditions, and defends against mycotoxins. Producers feeding BioCycle Plus report reduced SCC, improved reproductive performance, increased digestive capacity, and improved general health. Use when metabolic diseases and toxin challenges are present, and during feed changes and palatability issues. Available in concentrate for easy mixing at feed mills.

AC9005 - 45lb	**$360.00**
- 10 to 35 boxes	**$345.00**
- 36+ boxes	**$335.00**
AC9027 - Concentrate 50lb	**$489.00**
- 10 to 39 bags	**$474.00**
- 40+ bags	**$434.00**
AC9199 - Concentrate Non-GMO 50lb	**$499.00**
- 40+ bags	**$439.00**

Select BioCycle®

Aids in boosting immune function, digestion, and fights environmental challenges. Producers report increased estrus expression and improved feed intake. Contains two types of L-form *Lactobacillus,* two sources of yeast, four digestive enzymes, microbial sugars, and specialized proteins. Recommended when performance improvements are needed in reproduction and overall herd health. Not appropriate when mold-related challenges are the major problem.

AC9003 - 45lb	**$219.00**
- 10 to 35 boxes	**$204.00**
- 36+ boxes	**$194.00**
AC9091 - Concentrate 50lb	**$447.00**
- 20+ bags	**$382.00**

Tri-Mic 1:50

Improves rumen function and health by establishing beneficial microbial populations which helps crowd out pathogens. Beneficial microbes improve feed utilization, re-establishes beneficial microbial populations, following treatment or stressors.

A0000 - 4lb	**$32.25**
A0001 - 20lb	**$149.00**

BIOFRESH® Microbial Bolus

Gets fresh cows on feed faster, reducing potential metabolic disorders and DAs. Proven effective in reducing SCC by boosting immune function of cows affected by environmental challenges. Supplies critical vitamins and minerals, beneficial bacteria, and egg-based specialized proteins.

AC11011 - 50ct	**$130.00**
AC11012 - 400ct	**$888.00**

BIOFRESH® Microbial Gel

Enhances feed intake, improves ruminal fermentation, and supports immune function for dairy and beef cattle of all ages. Use at weaning, receiving, transporting, calving, off-feed, or during low-intake periods. Supplies beneficial bacteria, egg-based specialized proteins, and critical vitamins and minerals. 5ml for calves under 500lbs., 10ml for calves 500lbs. – adult cattle.

AC11020 - Tube 280cc	**$58.00**
AC11022 - Gel Applicator Gun	**$50.00**

TRI-START

Encapsulated, highly concentrated source of rumen-specific microbes. Enhances the rumen environment to improve digestive performance and repopulate rumen microflora after periods of stress.

A0003 - 25ct	**$56.00**
A0004 - 100ct	**$190.00**

Accel MXL 600

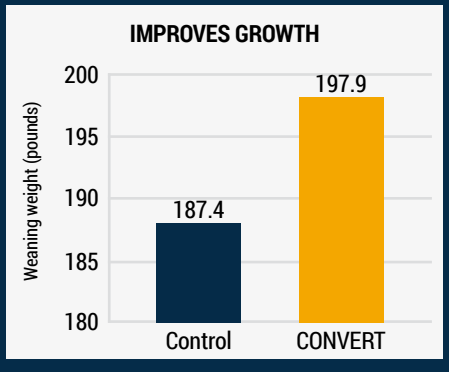
Combats feed quality challenges and enhances liver function. MXL 600 is a combination of beneficial micronutrients designed to assist animal performance during periods of feed quality challenges. Use when toxins are present.

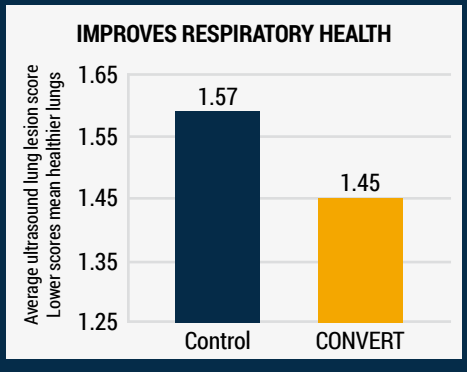
A0008 - 50lb	**$88.00**

CONVERT™ BIG Calf Powder

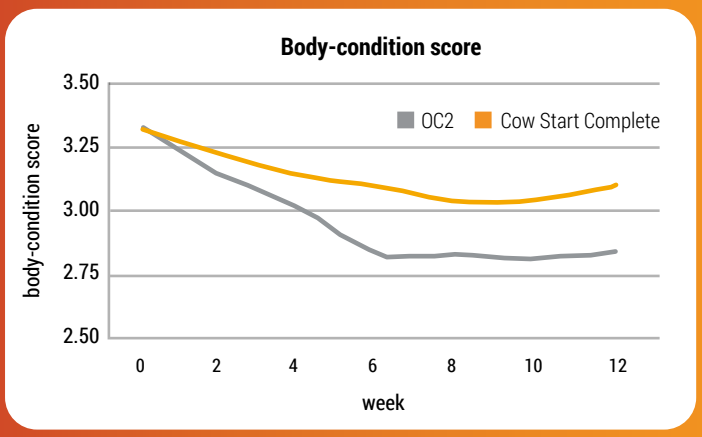
Keep calves healthier from birth to weaning

Scan QR code to view the CONVERT BIG Calf case study results.

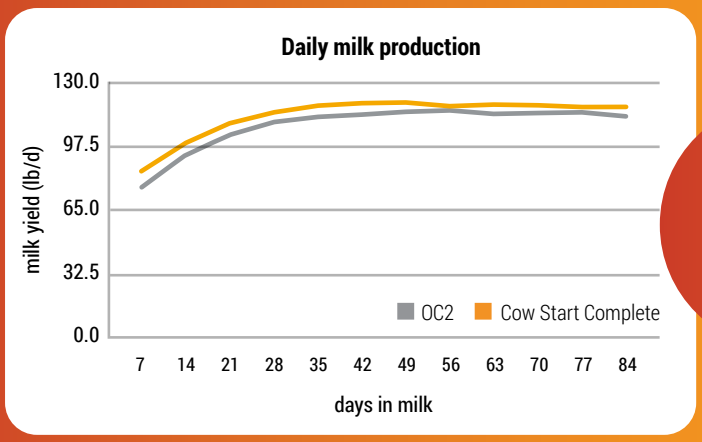




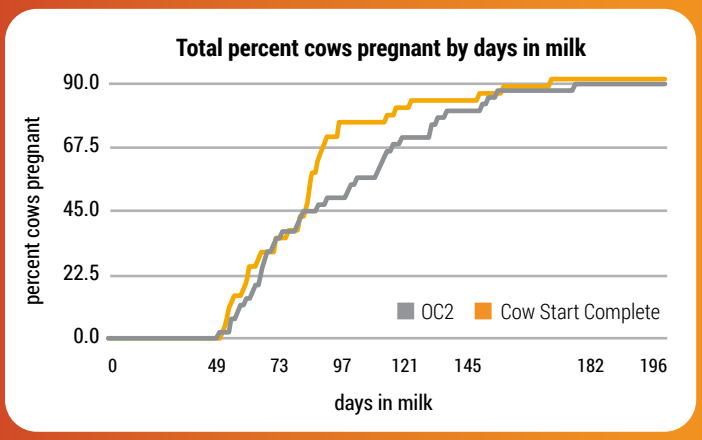
Growth and respiratory health data result of case studies.



Cows given Cow Start Complete maintained body condition better, which supports higher-peak milk, improved fertility, and stronger overall health.



Cows given Cow Start Complete ruminated longer in the first two weeks after calving, suggesting better feed intake; maintained body condition better; and produced more milk per day in the first 100 days compared to cows receiving the other calcium treatment.



Cows given Cow Start Complete got pregnant earlier and more often than those on the other calcium treatment. Fewer were enrolled in Ovsynch, and more conceived on their first service, leading to better overall reproductive outcomes.

RESEARCH STUDY:

The effect of Cow Start™ Complete on milk production and reproduction

HOW IT WORKED: Dairy cows face multiple sources of inflammation around calving, and recent research suggests reducing that inflammation may boost milk production and reproduction more than calcium supplementation, alone. To explore this, a 2024–2025 study on a well-managed 5,000-cow dairy in the United Kingdom followed 140 third-lactation-and-older Holsteins from calving to 200 days in milk. All cows received a negative-DCAD pre-fresh diet, then at calving were assigned to one of two oral-calcium treatments: Farm-O-San Reviva plus a Bovikalc® bolus (OC2) or Cow Start™ Complete boluses. Groups were balanced for parity and prior milk yield, and managed identically throughout the study.

RESULTS: Giving cows Cow Start Complete boluses at calving helped them better manage inflammation, leading to fewer health issues, greater rumination, and less body-condition loss compared to cows receiving other calcium products. Improved inflammation control likely allowed cows to use nutrients more efficiently, resulting in higher milk production and better reproductive outcomes. The seaweed-based minerals in Cow Start Complete naturally reduce inflammation while its slow-release design ensures steady nutrient absorption during this critical period.

LEARN MORE

SCAN TO ORDER ONLINE

Teat Dips

UDDERgold® 5-Star

Barrier film, improves environmental mastitis protection. Controls a broad spectrum of bacteria including Mycoplasma species. Glycerin and emollient polymers help improve skin health.

UM3661/UM3662 - Base & Activator Set 5gal **$285.72**
UM3665/UM3666 - Base & Activator Set 55gal **$2,301.88**

4XLA®

Designed as a pre and post dip with excellent teat-conditioning power. 4XLA is the ideal dip if you want the killing power of UDDERgold 5-Star (15-20 seconds) but don't need the barrier. Proven effective against environmental and contagious organisms, including *Staph aureus*. Replenishes the cow's natural defenses for fighting mastitis. Very effective against hyperkeratosis.

UM3617/UM3618 - Base & Activator Set 5gal **$196.12**
UM3722/UM3723 - Base & Activator Set 14.5gal **$474.62**
UM3621/UM3622 - Base & Activator Set 55gal **$1,598.28**

AZTEC GOLD™

Increased mastitis protection. Offers long-lasting color marking, up to five hours. Thicker viscosity dip clings to teats longer, exposing them to the extended killing power.

UM3678/UM3679 - Base & Activator Set 55gal **$1,657.14**

EfferCept SG®

An alternative to Iodine that is cost effective at any milk price. This tablet contains all the great properties of EfferCept and SoftGuard in one tablet. Proven effective as a pre/post dip or spray. Kills 99.99% of *E. coli, Staph aureus* and other mastitis-causing organisms on contact. Conditions, soothes, and protects udder and teats. NPE free. Mix two tablets to one gallon of water.

S291 - Makes 10 Gallons 20ct **$54.30**
S289 - Makes 55 Gallons 110ct **$207.66**
S288 - Makes 275 Gallons 550ct **$843.00**

EfferCept®

Economical pre/post dip. Maximizes killing power while eliminating corrosive effects found in iodine-based products. Pill form mixes with water to be a spray or pre-dip wash. Mix four tablets to one gallon of water.

S240 - Makes 12.5 Gallons 50ct **$66.80**
S242 - Makes 55 Gallons 220ct **$234.00**
S280 - Makes 385 Gallons 20lb **$1,127.00**
S290 - Makes 667 Gallons 1,000ct **$1,229.10**
S293 - Foam Additive 1gal **$28.00**
S294 - Foam Additive 55gal **$975.00**

Fresh-Cow Care

Bovikalc®

Calcium supplement provides fast, extended support for blood calcium levels in freshening dairy cows. Bolus disintegrates quickly in the rumen. Calcium chloride is available immediately and calcium sulfate provides sustained release.

BV005 - 48ct **$396.97**

Bovine Accellyte II

Contains specialized electrolytes to replace those lost during stress, minerals needed to compensate for deficiencies from reduced feed intake, and vitamins necessary for life. Use as a drench, add directly to water, or mix dry into feeds. Suitable for cows and calves.

A0009 - 10lb **$52.00**
A0010 - 25lb **$85.00**

FRESHEN UP®

Administer immediately after calving to reduce the incidence of milk fever, retained placenta, and ketosis. Contains a proactive combination of multiple sources of calcium, electrolytes and energy. Use as a drench or offer free choice. Contains four different sources of calcium to give cows the boost they need right away, as well as a timed-release of calcium.

A0012 - 10lb **$59.00**
A0013 - 35lb **$190.00**

Cow Start™ Complete

Provides key nutrients and factors to resolve calving-associated inflammation. Research indicates enhanced health, production, and reproduction. Also replaces Ca sources provided at freshening. Provide two Cow Start Complete boluses at calving. Box of 24 boluses treats 12 cows.

AC11050 - 24ct Box **$213.87**
AC11051 - Applicator **$54.00**

FerAppease®

A synthetic analogue of the Maternal Bovine Appeasing Substance (MBAS). Use every time animals are exposed to stressors, where suppression of threat perception is desirable (i.e. castration, dehorning, weaning, vaccination, parturition, breeding, freshening, etc.) Topical administration to the nuchal skin and the skin above the muzzle.

AC2849 - 300mL **$90.00**
AC2850 - Applicator **$48.00**

CentralStar
800.631.3510 • www.mycentralstar.com

Udder Health

Milk Check Teat Wipes

One-step udder preparation wipes are durable, yet gentle. Contain lanolin and glycerin to keep skin soft, preventing teat chapping. Contains germicide to effectively kill bacteria and reduce cross-contamination.

UM3708 - Refill **$34.96**

UDDERMINT®

Approved Organic. Improves overall udder health by reducing udder edema. All-natural, antibiotic free, peppermint oil based liniment. Dairy producers report improvements in udder quality and pliability within 12 to 24 hours. For use after freshening, or apply to quarters on cows that show signs of mastitis.

UM3608 - White 500mL **$39.42**
UM3673 - Green 500mL **$39.73**
UM3670 - White 2.5L **$169.72**
UM3680 - Green 2.5L **$171.65**
UM3671 - Dispenser 2.5L **$35.30**

T-HEXX® DRY™

Apply pre-calving. External teat sealant creates physical barrier to aid in mastitis prevention. Triclosan-free.

HEXXB132 - 1qt **$78.12**

Lockout™

A non-antibiotic intramammary teat sealant for use through the dry period to aid in the prevention of infections. Visible blue, smooth paste composed of 60% bismuth sub-nitrate forms a malleable barrier in the teat canal. Creates a sterile barrier against harmful bacteria between the udder and environment. Single-dose syringes with short tip designed for hygienic insertion.

UM3694 - 144ct **$363.78**

VetOne® BoviBlock™

Non-antibiotic teat sealant aids in preventing new intramammary infections. Off-white, smooth paste composed of 65% bismuth sub-nitrate to create a malleable barrier in the teat canal. Creates sterile blockage against harmful bacteria. Unique two-stage tip, allowing full or partial insertion into the teat orifice.

UM3702 - 144ct **$338.71**

Bovikalc® Dry

An oral mineral supplement that helps maintain cow comfort by reducing milk production at dry off. Contains calcium sulfate and ammonium chloride and reduces milk production by inducing a slight and temporary metabolic acidosis.

BV057 - 48ct **$411.21**

CLOSEOUT

MASSIVE SAVINGS!

Look for the "closeout" banner online!

SAVE TODAY!

COW CARE

PC3 Porta - BHB Milk Ketone 100 Test Vial	**$75.00**
AC9055 - Calf Tuggs™	**$10.00**
ACDBEDX - Easy Drencher	**$12.70**
UM3630 - Teat Dip Cups (Green Upright)	**$13.75**
UM3634 - Teat Dip Cups (Blue Side Dip)	**$7.05**
UM3635 - Teat Dip Cups (Yellow Side Dip)	**$7.05**
ACTD1001 - Thrifty Dipper Complete	**$85.00**
ACTD1002 - Thrifty Dipper Wiper	**$26.00**
ACTD1003 - Thrifty Dipper Snap Ring	**$3.00**
ACTD1004 - Thrifty Dipper Upright Bottle	**$3.00**
ACTD1005 - Thrifty Dipper Handle	**$8.00**
ACTD1006 - Thrifty Dipper Cleaning Tool	**$2.00**
IN9092 - UTREsept	**$58.00**

CALF CARE

AC11007 - Day One Calf Bolus 10ct	**$53.00**
AC11009 - CONVERT™ Calving Season Bolus (10ct)	**$33.00**
UM3605 - Woolover® w/o Buckle Medium	**$24.00**
UM3603 - Woolover® w/o Buckle Large	**$24.00**
UM3683 - Woolover® w/ Buckle Medium	**$28.00**
UM3684 - Woolover® w/ Buckle Large	**$28.00**
UM3667 - Woolover® Ultra w/o Buckle Small	**$32.00**
UM3668 - Woolover® Ultra w/o Buckle Medium	**$32.00**
UM3669 - Woolover® Ultra w/o Buckle Large	**$32.00**
UM3686 - Woolover® Ultra Lite w/ Buckle Medium	**$35.00**
UM3690 - Woolover® Ultra w/ Buckle Large	**$30.00**

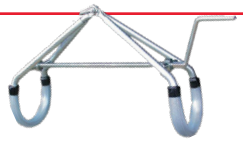
Woolover styles are available through your local representative and online.
All other closeout items are available online only.

Prices and availability are subject to change without notice.

SCAN TO ORDER ONLINE

Animal Assistance

Vink Cowlift



Helps save cows that can't stand. With proper use it will not cause bruising around the hipbone and is easily adjusted.

S255 - Complete Cowlift	**$186.00**
S278 - Handle Replacement	**$24.64**
S279 - Screw Replacement	**$62.53**

Vink Double Action Calf Puller

Makes difficult deliveries easy. Double-action puller with unique rump frame encircles the rear of the cow, making it impossible for the frame to slip away. Constructed of stainless steel to ensure long, trouble-free service.

S028 - Complete Calf Puller	**$465.50**
S026 - Rope Replacement	**$15.04**
S029 - Mechanism Replacement	**$190.73**
S030 - Bar Replacement	**$150.00**
S031 - Yolk Replacement	**$100.00**

Cow Cuff Links

Fastens to a cows ankle with a positive lock buckle system - no velcro. Constructed of 6,000 pounds of tensile strength nylon webbing with stainless steel components. Therapeutic benefits, as well as anti-kicking protection.

AC9026 - Non-Adjustable	**$30.00**
AC9047 - Adjustable	**$33.50**

Minerals

Accel Fortifier 1:50

Add to beef and dairy cattle diets during periods when added nutrients are required, such as calving, high production, breeding or during environmental challenges. A concentrated source of chelated and inorganic trace minerals and vitamins. Mix into premixes, minerals, supplements, and total mixed rations (TMR).

A0019 - 25lb	**$62.00**

Forage Inoculant

Accel Ensile+

Assists with expediting pH decline to stabilize feed, reducing dry-matter losses and improving digestibility and forage quality. Contains three enzymes which aid in fiber break down and increase nutrient absorption. One of the most economical products on the market.

A0611 - 100W - Wet Applied 100gram	**$90.00**
A0612 - 500W - Wet Applied 500gram	**$399.00**
A0613 - 100D - Dry Applied 50lb	**$102.50**
A0653 - ASB - Contains *L. bucherni* 500gram	**$502.00**

CentralStar

800.631.3510 • www.mycentralstar.com

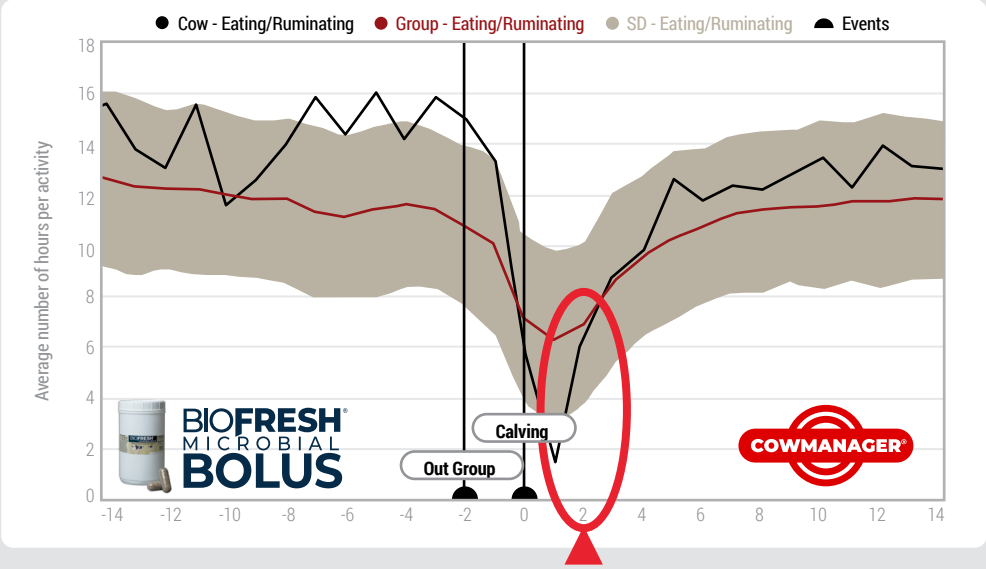
GET MORE

Data shows FASTER recovery

It's no secret fresh cows who eat and ruminate well are more likely to avoid trouble. Dairies using CowManager® consistently see that cows given BioFresh® Microbial Bolus at calving bounce back faster, return to normal eating and rumination sooner, and avoid common fresh-cow issues like displaced abomasum (DA), ketosis, and mastitis.

How does it work? BioFresh delivers the right inoculation that includes a targeted mix of beneficial bacteria, yeast, immune-supporting compounds, and enzymes, exactly when cows need it most. Together, these ingredients support gut health, rumen function, and immune response during critical times.

Whether you rely on real-time data or hands-on observation, BioFresh offers a proactive way to support recovery, boost resilience, and protect performance right from the start.



Cows given **BioFresh Microbial Bolus** at calving return quickly to normal eating and rumination patterns and exceed the group average.

LEARN MORE

DIAGNOSTIC TESTS AND SUPPLIES

SELECTING ONLY A2/A2 SIRES
AND TESTING YOUR HERD CAN RESULT IN A
100% A2/A2 CALF CROP
IN JUST TWO GENERATIONS.

A1/A2 (BETA-CASEIN) TESTING OPTIONS)

Reference: Ng-Kwai-Hang, K.F. (2008). Review: Genetic markers of milk and milk products. Livestock Science, 116(1–3), 295–306.

Testing Supplies, Kits, & Shippers

$12 minimum order for collection supplies, kits, and shippers.
Mix and match to reach the minimum order.

Small Sample Collection Kits (10 samples)

Holds up to 10 samples. Kit includes sample submission form, collection supplies, and prepaid shipping box addressed to laboratory. Testing billed separately.

ABK5 - Small Milk Sample Collection Kit **expedited shipping*	**$65.00**
ABK16 - Small Milk Sample Collection Kit **standard shipping*	**$35.00**
ABK13 - Small Blood Sample Collection Kit **expedited shipping*	**$70.00**
ABK15 - Small Blood Sample Collection Kit **standard shipping*	**$40.00**

Sample Collection Supplies

ABK6 - Milk Vial with preservative	**$1.15**
ABK7 - Blood Tube and Needle (Red-top: Pregnancy, Johne's, Leukosis, BVD, Neospora. Purple-top: A1/A2, STRATA-G BLV PCR)	**$1.40**
ABK8 - Fecal (vial and glove)	**$1.15**
ABK9 - Tissue (vial)	**$1.15**

Large Sample Collection Kits

Includes sample submission form, collection supplies, and UPS-paid shipping box addressed to laboratory. Testing billed separately.

ABK11 - Large Blood/Ear Notch Collection Kit *(Holds up to 100 blood/tissue samples)*	**$125.00**
ABK12 - Large Milk/Fecal Collection Kit *(Holds up to 60 milk/fecal samples)*	**$100.00**

**For larger sample submissions call 800.631.3510.*

Ear Notcher

Small size V cut ear notcher is made of lightweight die-cast aluminum construction. Heat-treated cutting plate for long life and clean cuts. Individually hand-fitted and tested for precision tolerance. Use to collect ear notch for BVD or A2 testing.

ID3207 - V SM 5/16 7000 **$37.02**

DON'T LET HIDDEN THREATS FADE HER POTENTIAL

You've invested in genetics, colostrum, and nutrition, now secure her future with strategic disease screening. Catch issues early, protect her health, and maximize lifetime productivity for lasting performance. Make her legacy one of lasting performance by including a plan that doesn't stop at good.

Strategies	Good	Better	Best
HHP$ focused genetic selection	✓	✓	✓
Colostrum supplement & replacer		✓	✓
Nutritional supplements		✓	✓
Robust vaccination protocol		✓	✓
BVD PCR ear notch at birth			✓
Johne's & BLV ELISA on milk samples			✓
Mastitis PCR on milk samples			✓

Prices and availability are subject to change without notice.

SCAN TO ORDER ONLINE

TEST OPTIONS

Diagnostic tests		Code	Sample type	Turnaround	Price/sample
A1/A2	PCR	ABT50, ABT51, ABT52	Milk, Whole Blood, Tissue	10 days	$13.75
BLV Leukosis	PCR	ABT35	Whole Blood	10 days	$12.00
	ELISA	ABT7, ABT8	Serum, Milk	5 days	$6.50
BVD	ELISA	ABT11, ABT12, ABT14	Milk, Serum, Tissue	5 days	$6.50
	PCR	ABT38	Milk, Tissue, Whole Blood	10 days	$40.00
	Pooled PCR (Min 10)	ABT22	Tissue, Whole Blood	10 days	$3.70
	Pooled PCR (Min 20)	ABT44	Milk	10 days	$2.50
Johne's	ELISA	ABT1, ABT2	Milk, Serum	5 days	$6.50
	PCR	ABT3	Fecal	10 days	$40.00
	Pooled PCR (Min 3)	ABT43	Fecal	10 days	$12.00
Mastitis	Complete 16	ABT32	Milk	2 days	$40.00
	Pooled Complete 16 (Min 3)	ABT41	Milk	2 days	$12.00
	Contagious 3	ABT47	Milk	2 days	$30.00
	Pooled Contagious 3 (Min 3)	ABT48	Milk	2 days	$8.00
	Single Mastitis *(Mycoplasma bovis, Strep ag., Staph aureus, Strep uberis, Prototheca)*	ABT53, ABT54, ABT55, ABT56, ABT61	Milk	2 days	$14.25
	Pooled Single Mastitis (Min 3) *(Mycoplasma bovis, Strep ag., Staph aureus, Strep uberis, Prototheca)*	ABT57, ABT58, ABT59, ABT60, ABT62	Milk	2 days	$4.25
Neospora (Available through Wisc. Lab only.)	ELISA	ABT24	Serum	5 days	$6.50
Pregnancy	ELISA	ABT26	Serum, Whole Blood	1 day	$4.00
	ELISA	ABT27	Milk	1 day	$4.75
Component analysis					
	MUN		Milk	1 day	$1.50
	SCC/Components		Milk	1 day	$1.50
	MUN/SCC/Components		Milk	1 day	$3.00

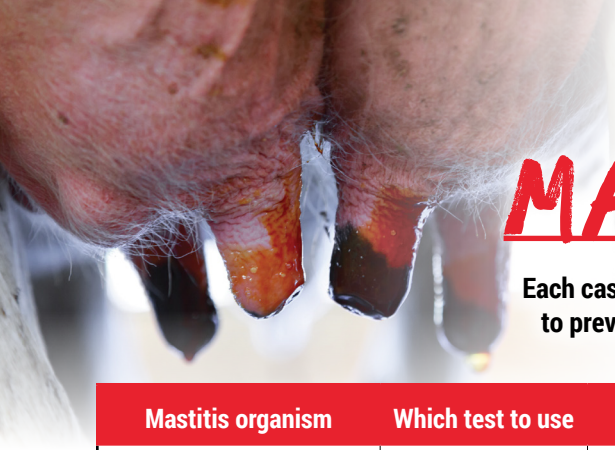
GETTING RESULTS

- Submit samples direct to CentralStar laboratories or through routine DHI testing. $10 submission fee for diagnostic tests.

CentralStar Michigan Lab
1163 Comet Lane
Suite 100
Grand Ledge, MI 48837

CentralStar Wisconsin
Lab Complex
200 East Kelso Road
Kaukauna, WI 54130

- Results available online, by email, or by mail, and can be uploaded into herd manawgement software. Some are available by text.
- Johne's Analysis DHI report 420 organizes test results, production, SCC, and reproduction data for quick analysis to take management actions.



EFFECTIVELY MANAGING MASTITIS PATHOGENS

Each case of clinical mastitis in the first 30 days of lactation can cost $444. Taking steps to prevent it, including using Mastitis PCR testing protects your herd and bottom line.

Mastitis organism	Which test to use	Infection source, control, and keys to prevention
Mycoplasma bovis	Complete 16 Contagious 3 Single	• Highly contagious; spreads quickly during milking • Source: infected udder, respiratory tract, or urogenital tract • Challenges: infected cows may be asymptomatic; no effective treatment • Control: identification, segregation, and removal of infected animals; routine screening, especially incoming purchased animals
Mycoplasma species	Complete 16	
Staphylococcus aureus	Complete 16 Contagious 3 Single	• *Staph aureus* is highly contagious and spreads easily during milking • Source: skin of animals and humans (all species of *Staph*); milk from infected cows (specifically *Staph aureus*) • Challenges: abscesses in the udder reduce antibiotic effectiveness; Beta-lactamase gene detection indicates resistance to beta-lactam antibiotics • Control of *non-aureus Staph:* broad-spectrum antibiotics • Control of *Staph aureus:* identification, segregation, and removal of infected animals; routine screening, especially incoming purchased animals
Staphylococcus species	Complete 16	
Staphylococcal beta-lactamase gene	Complete 16	
Streptococcus agalactiae	Complete 16 Contagious 3 Single	• Highly contagious; spreads quickly during milking • Source: infected udders • Challenges: infected cows may be asymptomatic • Control: identify and treat infected animals; routine screening, especially incoming purchased animals
Streptococcus uberis	Complete 16 Single	• Environmental mastitis organisms • Source: manure and contaminated bedding • Control: maintain a clean, dry environment; follow proper milking procedures, including use of adequate pre- and post-dip products; use blanket dry cow therapy and teat sealants to cure existing infections and prevent new ones
Streptococcus dysgalactiae	Complete 16	
Enterococcus species	Complete 16	
Escherichia coli	Complete 16	• Environmental mastitis organisms • Source: contaminated bedding, manure, and improperly prepared recycled sand • Challenges: intramammary antibiotics are generally not recommended • Control: maintain clean, dry bedding; follow proper milking procedures
Klebsiella species	Complete 16	
Prototheca species	Complete 16 Single	• Environmental mastitis organism; can also spread from infected cows • Source: contaminated water sources and damp environments; infected cows • Challenges: no effective treatment, infections typically become chronic • Control: prevent cattle from accessing wet areas; maintain proper teat sanitation during intramammary teat infusions; identify and remove infected cows
Pseudomonas aeruginosa	Complete 16	• Environmental mastitis organism • Source: contaminated water and wet bedding materials • Challenges: infections do not respond well to antibiotic therapy, typically become chronic; some strains are resistant to certain sanitizers • Control: reduce water use in the milking parlor and access to wet areas; use inorganic bedding such as sand, identify and remove infected cows
Yeast	Complete 16	• Environmental mastitis organisms • Source: contaminated intramammary infusion or damaged teat ends (e.g. hyperkeratosis) • Challenges: antibiotic therapy is not recommended; spontaneous cure is slow (2 months), but possible • Control: use clean intramammary infusion techniques; follow proper milking procedures; maintain teat health and milking equipment; remove chronically infected animals
Trueperella pyogenes	Complete 16	• Environmental mastitis organism • Source: injured or damaged teats and fly contact • Challenges: prognosis after infection is established is poor • Control: implement an effective fly control program; remove infected cows
Corynebacterium bovis	Complete 16	• Contagious mastitis pathogen that colonizes in the teat canal; spreads easily during milking • Source: infected cows • Challenges: antibiotic therapy during lactation is not recommended • Control: effective post-milking disinfectants; dry cow therapy is very effective in eliminating infections

The information provided is summarized from various university publications. Treatment of any of these pathogens should be done under the advisement of a veterinarian.

REPRODUCTION TOOLS

SCAN TO ORDER ONLINE

EVERY DAY OPEN AFTER THE VOLUNTARY WAITING PERIOD COSTS $3–$5 PER COW.[1]

[1]https://pubs.nmsu.edu/_d/D302/index.html

Reproduction Tools

D-Y Herd Monitor

AC2802 - Monitor	$238.00
ACB2803 - Blue 30/sheet	$0.47
ACG2803 - Green 30/sheet	$0.47
ACP2803 - Pink 30/sheet	$0.47
ACR2803 - Red 30/sheet	$0.47
ACY2803 - Yellow 30/sheet	$0.47

A.I. Training

SS100 - A.I. Training Manual	$25.00
SS145 - Supplemental A.I. Training Manual Spanish	$3.00
SS170 - Basic A.I. Training DVD English	$20.00
SS171 - Basic A.I. Training DVD Spanish	$20.00
SS180 - Basic A.I. Training Video English	$20.00
SS183 - Basic A.I. Training Video Spanish	$20.00
SS184 - Heat Detection & Timed A.I. Video English	$15.00
SS185 - Heat Detection & Timed A.I. Video Spanish	$15.00

CowManager®

24/7 monitoring of your herd's reproduction. Ear tag transmits data every 15-minutes. Fertility alerts accurately identify which cows are in heat, provides precise information on optimal time to breed and identifies anovular and cystic cows. Nutrition and health information also available.

See www.mycentralstar.com/cowmanager to learn more.

CentralStar

800.631.3510 • www.mycentralstar.com

COWMANAGER®

NEW

FROM CALF TO COW

LIFETIME MONITORING. MAXIMIZE PERFORMANCE.

CowManager® - *The best fertility monitor for your herd!*

The CowManager fertility module takes the guess work out of your reproduction program. Ear sensors track heat intensity and stage so you know exactly when to breed. The result? Improved pregnancy rates, reduced calving intervals, and more efficient use of labor and semen.

- 24/7 monitoring, identifying heats, non-cycling cows, and even potential abortions.
- Alerts pinpoint the best time to inseminate for optimal results.
- Use fertility history to decide when to use conventional or sexed semen.
- Heat graphs and fertility reports make it easy to spot irregular cycles and transition cow challenges.

SCAN NOW

From your phone or PC, CowManager gives you real-time data on every animal in your herd, so you never miss a breeding opportunity.

Discover more at www.mycentralstar.com/cowmanager, including details on CowManager's Health, Transition, Nutrition, and Youngstock features.

Heat Detection

Kamar® HeatMount™ Detectors

ID3220 - 25ct w/Adhesive	$33.00
ID3230 - 100ct w/Adhesive	$132.00
ID3223 - Adhesive	$5.00

Twist-Stik

IDB61029 - Blue 12ct	$26.40
IDG61029 - Green 12ct	$26.40
IDO61029 - Orange 12ct	$26.40
IDR61029 - Red 12 ct	$26.40
IDG61030 - Green Fluorescent 12ct	$30.24
IDP61030 - Pink Fluorescent 12ct	$30.24

Paintstik™

IDB61024 - Blue 12ct	$13.80
IDG61024 - Green 12ct	$13.80
IDO61024 - Orange 12ct	$13.80
IDR61024 - Red 12ct	$13.80
IDG61012 - Fluorescent Green 12ct	$13.92
IDO61012 - Fluorescent Orange 12ct	$13.92
IDP61012 - Fluorescent Pink 12ct	$13.92
IDY61012 - Florescent Yellow 12ct	$13.92

Eazi-Breed™ CIDR®

AC21274 - 10ct	$180.50
AC21285 - Individual Applicator	$18.33

Estrotect™

IDB3229 - Blue 50ct	$89.50
IDG3229 - Green 50ct	$89.50
IDO3229 - Orange 50ct	$89.50
IDP3229 - Pink 50ct	$89.50
IDY3229 - Yellow 50ct	$89.50
ID3232 - Rubber Brush	$6.75

Detect-Her™ Tailpaint

DTB202 - Blue Wipe-on 6ct	$52.50
DTMG202 - Mint Green Wipe-on 6ct	$52.50
DTO202 - Orange Wipe-on 6ct	$52.50
DTP202 - Pink Wipe-on 6ct	$52.50
DTR202 - Red Wipe-on 6ct	$52.50
DTY202 - Yellow Wipe-on 6ct	$52.50
DTBU208 - Blue Aerosol Upright 12ct	$101.40
DTGU208 - Green Aerosol Upright 12ct	$101.40
DTOU208 - Orange Aerosol Upright 12ct	$101.40
DTPU208 - Pink Aerosol Upright 12ct	$101.40
DTRU208 - Red Aerosol Upright 12ct	$101.40
DTYU208 - Yellow Aerosol Upright 12ct	$101.40

ONE MISSED SHOT!
WHY 95% ISN'T GOOD ENOUGH

Compliance with a synchronization protocol is key to achieving optimal breeding results. Timely shots ensure ovulation aligns with insemination, boosting conception rates. Even with 95% correct administration in a seven-treatment protocol like double-Ovsynch, only 70% of cows are properly synchronized by timed-A.I. Best practices include using an 18-gauge, 1.5 inch needle, proper intramuscular injection, correct dosing, drug storage, and accurate animal ID. Missing steps or delaying shots lowers outcomes, requires more interventions, which raises costs and impacts herd peformance.

Effectiveness of synchronization protocols as it relates to compliance

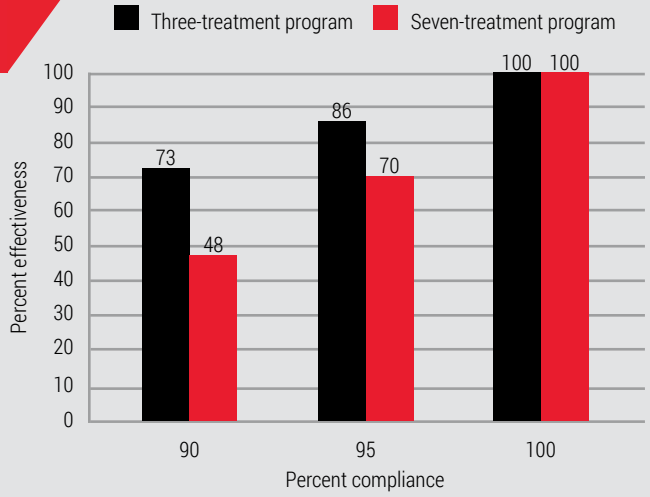


Chart adapted from DCRC "Dairy Cow Protocol Sheet"

SCAN TO ORDER ONLINE

Breeding Supplies

A.I. Gun Warmer

Heated, temperature controlled carrying case keeps guns at correct temperature. Includes: 12V rechargeable battery, belt/shoulder strap, 100V AC wall adapter, 12V DC auto adapter, and spare liner. One-year warranty.

IN8011 - Gun Warmer Kit $394.16
IN8012 - 14.4V Rechargeable Battery $79.32
IN8013 - 100V AC Wall Adapter $16.26
IN8014 - Auto Adapter- Gun Warmer $12.25

Breeding Sheaths

IN3004 - Individual Sheath - Split 50pk $8.87
INP3012 - Pushed Sheath Univ N/S Blue 50pk $5.45
INNP3012 - Non-Pushed Sheath Univ N/S Blue 50pk $5.45
INP3016 - Pushed Green Indiv. 50/pkg $11.37
INNP3016 - Non-Pushed Green Indiv. 50/pkg $11.37
INP3017 - Pushed Sheath Blue 50/pkg $15.54
INNP3017 - Non-Pushed Sheath Blue 50/pkg $15.54
IN3024 - San Sheath Covers 100 roll $16.15
INP3025 - Pushed Sheath Green 50/pkg $4.67
INNP3025 - Non-Pushed Sheath Green 50/pkg $4.67
IN3028 - HD Plastic Sheath Covers 25pk $9.88
IN3054 - Metallic Tip Sheath-ET 5pk $13.88
IN3056 - Alpha Sheath 50pk $10.27
IN3013 - Infuzee w/ Connectors 25pk $8.25
IN3031 - Infuzee Pipettes 25pk $8.26

Insemination Guns

IN3005 - French Straw Gun $30.00
IN3006 - Spare Lock Ring $1.05
IN3011 - Spiral Straw Gun 1/2cc $39.22
IN3042 - Spiral Straw Gun 1/4cc $37.00
IN3053 - ET Breeding Gun $130.54
IN8010 - Deep Horn Breeding Gun $48.00

Kombicolor Max Insemination Guns

Use with 1/4 and 1/2cc straws.

INW3045 - White $45.71
INY3045 - Yellow $45.71
ING3045 - Green $45.71
INB3045 - Blue $45.71
INR3045 - Red $45.71
IN3063 - Plunger - Max Insemination Gun $17.42
IN3057 - Plunger (For prior version gun) $17.42

Breeding Gloves

IN3040 - Buff Poly Sleeve 100 box $22.31
IN3049 - Red Breeder Sleeve 100 box $19.02

Cito Thaw Cup

A sensitive and accurate thermostatic control ensures a constant temperature range of 95°- 98° F. Indicator light shows when the unit is ready to use, and when it is maintaining the water bath at the proper temperature. Includes AC adapter and DC adapter.

IN3058 - Dual Purpose Thaw Cup $258.64

Breeding Kit

Plastic breeding box to hold breeding supplies. Comes with thermos bottle (blue box includes Cito dual purpose thaw cup), Kombicolor gun, universal sheaths, gloves, bottle of Lubogel, tweezers, scissors, and thaw monitor.

IN3015 - Breeding Kit Plastic $123.84
IN3023 - Plastic Box Only $29.36
IN3051 - Breeding Kit Blue $375.73
IN3050 - Blue Box Only $102.55

Breeding Extras

IN3029 - Safe-Lube gallon $15.13
IN3027 - Safe-Lube 8oz $3.85
IN3021 - Thermos Bottle $28.46
IN3026 - Thaw Monitor $4.00
IN3032 - Tank Measure Stick $8.95
IN3041 - Digital Thermometer $21.14
IN3020 - Dial Thermometer $16.97
IN3007 - Scissors $13.11
IN3009 - Forceps - stainless steel $12.10
IN3008 - Fiberglass Tweezer 1/2cc $3.10
IN3043 - Fiberglass Tweezer 1/4cc $4.40
IN3037 - CITO Straw Cutter $6.20
IN3061 - Tork Dairy Towel single pack (16 packs in a case) $2.25
ID3224 - Barn Desk $64.09

Nitrogen Tanks

Description	No. of Canisters	Capacity 1/2cc Straws	Hold Time (weeks)	Neck Opening (inches)	2 year Warranty	Weight Filled (pounds)
Millennium XC20	6	720	16	2 1/4	Yes	60
MVE XC34/18 Tank	6	2,100	16	3 1/2	Yes	96
ICB20	6	660	16	2 1/4	Yes	63
ICB34	6	2,100	16	3 1/2	Yes	94

Call for pricing.

Prices and availability are subject to change without notice.

PEST CONTROL

FLIES CAN TRANSMIT MORE THAN 65 DISEASES, INCLUDING MASTITIS.[1]

[1]https://championanimalhealth.us/blogs/news/blind-quarters-all-you-need-to-know?srsltid=AfmBOorcTe6fgA-GVBEpE58uE5iJ4nVEx8l_KkABFimJ9vKfjqBopZd5

Dewormer

DECTOMAX® Pour-On

Treats gastrointestinal roundworms, lungworms, eyeworms, grubs, sucking lice, and mange mites. Meat and milk withholding.

AC2826 - 5L **$383.38**

CYDECTIN® Pour-On

Pour-on formula approved for beef and dairy cattle, including lactating cows. Use for the treatment of infections and infestation of internal and external parasites. Proven to provide persistence against specific species including brown stomach worms, lungworms, barber pole worms, and nodular worms. Zero milk withhold and zero slaughter withdrawal. Contains weather-proof formula with purple dye to easily identify which animals have been treated.

AC2822 - 5L **$398.62**
AC2823 - 10L **$791.20**
AC2844 - 2.5L **$351.37**

EpriGard®

Internal and external parasite control for beef and dairy cattle. Kills 39 species and stages of internal and external parasites. Controls adult worms and fourth-stage larvae, lice, mange mites, grubs, and horn flies. Active ingredient: Eprinomectin at 5g/L. No milk or meat withholding. **Ask about volume discounts!**

AC2848 - 5L **$248.40**
AC2852 -10L **$480.94**

Ivomec® Eprinex®

Parasite control that kills 39 species and stages of internal and external parasites. Controls adult worms and fourth-stage larvae, lice, mange mites, grubs, and horn flies. No milk withholding or meat withdrawal (when used according to label).

MR30252 - 2.5L **$280.38**
MR30253 - 5L **$382.46**
MR30254 - 10L **$738.88**
MR19499 - 20L **$1,340.57**

Application quick reference

Product	Parlor/ Milkhouse	Barns	Animals	Hutches	Fogger	Use
CyLence Pour-On			✓			Apply to topline every 3 weeks; rotate with UltraBoss
UltraBoss Pour-On			✓			Apply to topline every 2 weeks; rotate with CyLence
Prozap Insectrin CS		✓	✓		✓	Apply as pour-on or in back rubbers, effective on dairy, beef, horses, or sheep
Cattle Armor Pour-On			✓			Apply to topline, oil-based, reapply every 2 weeks
Prozap Insectrin 1% Pour-On Xtra	✓	✓	✓	✓	✓	Apply with a mister or fogger; mix with ULD-BP-100 Premise when fogging
CyLence Ultra Premise Spray	✓	✓		✓		Broad spectrum for indoor or outdoor use
Cyzmic CS Insecticide Premise	✓	✓		✓		General use, quick knockdown, up to 90-days residual
EverGreen Premise	✓	✓	✓	✓		Pyrethrins degrade quickly in sunlight; kills 140+ pests
UDL BP-100 Premise	✓	✓	✓	✓	✓	To kill stable flies, apply 2 fl oz/adult animal
Neporex		✓		✓		For under bedding in hutches or around perimeter of manure piles and packs
QuickBayt Fly Bait		✓		✓		Fresh product attracts more flies; for house flies, not stable flies
Sticky Roll		✓				Indoor and outdoor; over headlocks or tie stalls
Prozap Dy-Fly Bomb	✓	✓	✓	✓		Instant knock-down/kill of flying and crawling insects

[1]USDA, 2007; LaDronka et al., 2018

Prices and availability are subject to change without notice.

SCAN TO ORDER FLY CONTROL

SCAN TO ORDER DEWORMER

Fly & Insect Control

ULTRABoss® Pour-On

Controls lice, flies, mosquitoes, and ticks on cattle. Effective horn fly control up to eight weeks. No pre-slaughter withdrawal or milk withhold. 3 mL per 100 lbs., body weight.

AC2814 - 1qt **$45.98**
AC2851 - 5L **$232.31**

Prozap® Insectrin CS

Controls lice and flies on lactating and non-lactating dairy and beef cattle of all ages. Apply as a pour-on, mist spray, or in back rubber.

AC2839 - 2.5gal **$215.00**
AC2840 - 1gal **$100.00**

CyLence® Pour-On

Ready-to-use pour-on insecticide for the control of horn flies, face flies, and biting and sucking lice on beef and dairy cattle. Use anytime of the year. No mixing and no withdrawal requirements.

AC2825 - 6pt **$141.66**

Cattle Armor Pour-On

Ready to use pour-on to kill horn flies, face flies, house flies, stable flies, keds, lice, mosquitoes and many more. Works as a pour-on, mist, or diluted in back rubbers. Use on beef cattle, lactating and non-lactating dairy cattle, calves, and sheep.

UM3716 - 55gal **$1,454.85**

Prozap® Insectrin 1% Pour-On Xtra

Ready-to-use pour-on, spray, or mist. 1% Permethrin and 1% PBO, delivers fast knockdown of lice, horn flies, face flies, stable flies, horse flies, house flies, mosquitoes, and black flies. Safe for lactating and non-lactating cattle, calves, and sheep. Mix with mineral oil for backrubber or use as a spot spray or premise spray in and around barns.

AC2854 - 1gal **$34.32**
AC2855 - 2.5gal **$85.33**

CyLence® Ultra Premise Spray

Broad-spectrum control of crawling, flying, and wood-infesting insects, in and around animal housing, warehouses, and processing and packing plants. Provides effective knockdown and residual control of over 60 different pests.

AC2845 - 240ML **$71.63**

Cyzmic® CS Insecticide Premise

Encapsulated premise insecticide for use around livestock buildings. Kills flies, ants, spiders, crickets, moths, ticks, mosquitoes, fleas, beetles, bugs, and more. Provides broad-spectrum control, lasts up to 90 days on a surface, mixes with water.

AC2846 - 1qt **$97.32**

ULD® BP-100 Premise

A versatile fly control that is safe for humans and livestock. Kills flies with extremely low risk of resistance. Application will leave a residue to control flies for up to seven days.

UM3703 - 1gal **$112.15**
UM3706 - 55gal **$3,315.54**

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.

AC2819 - Organic 1gal **$594.11**
AC2838 - 60-6 Fly Spray 1gal **$396.26**

Prozap® Dy-Fly®

Instant kill of flies, mosquitoes, gnats, moths, ants, hornets, wasps, spiders, roaches, and more. Use on beef and dairy cattle, hogs, and horses. Used in stables, milk rooms, poultry houses, and homes.

AC2853 - 25 oz **$31.37**

Neporex®

Controls stable flies and mosquitoes. Granular formulation larvicide, suitable for scattering or dissolving for pouring and spraying. Can be used as a spot treatment where larvae are found developing. NOT allowed for application directly to livestock, feed or water for consumption, as residues may occur. Apply to calf hutches, slatted floors, cattle pens, and spillage areas.

AC2837 - 11lb **$141.82**

QuickBayt® Fly Bait

Controls nuisance flies in as little as 60 seconds. Ready to use indoors or around livestock production facilities, poultry houses, and horse stables as scatter bait or in bait stations. Contains Bitrex®, a bitter substance to help prevent accidental ingestion by children and animals.

AC2835 - 5lb **$59.76**
AC2836 - 35lb **limited supply* **$242.76**

Sticky Roll®

Use in dairy barns, horse stables, and animal premises of all kinds. USDA testing shows it captures 92% of available flies. No baits, toxins, or pheromones are necessary. May be used in organic production. Verify with your certifier before use.

AC2832 - Hardware **$79.24**
AC2833 - 1,000ft Roll **$46.80**

EAR TAGS

RFID-EID TAGS ARE THE OFFICIAL TAG REQUIRED FOR CATTLE, AIDING IN DISEASE TRACKING AND DIGITAL RECORD-KEEPING.

MINIMIZE MISIDENTIFICATION WITH GENOMIC TESTING

Global Tags

Allflex

Patented laser-ink marking with matching laser-etched number into tag surface guarantees permanent identification for the life of the animal. Special order with custom options available. Most sizes available in blue, green, orange, pink, purple, red, white, and yellow. Pictured is a maxi female with large male.

Large Female 3" x 2.25" numbered/blank	**$0.91/$0.68**
Maxi Female 4" x 3" numbered/blank	**$1.00/$0.87**
Super Maxi Female 4.625" x 3" numbered/blank	**$1.36/$0.98**
Large Male 2 ¾ x 2 ¼ numbered/blank	**$0.88/$0.75**
Small Male (round button)	**$0.42**

Z-Tags

With their unique flip-out applicator and no-snag design, Z-tags are a premium ear tag. Available in one-piece and two-piece tags. Available in yellow, purple, black, pink, blue, red, green, orange, and white.

One Piece Calf 2.5" x 3.25" numbered/blank	**1.05/$0.82**
One Piece Cow 3" x 4.5" numbered/blank	**$1.45/$1.30**
Two Piece Calf 2.5" x 3.25" numbered/blank	**$1.05/$0.82**
Two Piece Cow 3" x 4.5" numbered/blank	**$1.36/$1.12**

A-Tags

One-piece tag, self-piercing, pinhole tip for faster healing and reduced animal stress. Highly versatile designed for long-term identification and cost effective. Patented laser-ink permanent marking, custom marking and numbering available by special order. Available in blue, green, orange, pink, purple, red, white, and yellow.

One Piece Calf 2.4" x 3.3"	**$1.11/$0.98**
One Piece Cow 4.5" x 3.0"	**$1.35/$1.22**

RFID Tags

Allflex Official USDA '840' Ultra EID Tag

The USDA Premise ID number is required to purchase. The tag is ISO Compliant. Extended small male allows a deeper placement in the ear.

ID301914 - Single Tag	**$2.90**
- 500+	**$2.75**

Allflex USDA '840' Visual Tags

Tags are laser-ink printed and available with custom letters and numbers. The USDA Premise ID number is required. EID button only available in white. Visual tags are available in single or double sets, maxi-female with choice of large or small male: yellow, white, blue, green, orange, red, and pink. Also available with tissue sample units.

Allflex All-in-One

Available in Half Duplex (HDX) and Full Duplex (FDX). Combines Allflex Maxi or Large visual tag with EID component. Tamperproof Ultra Cap™ provides ultimate security and retention. Available in yellow and white.

Blank or numbered, with or w/o text	**$5.11**

CowManager®

CowManager Blank RFID Tag

The blank RFID tags are a perfect way to put in CowManager® ear tags, or use with regular RFID tags. Female tags are reusable.

Female	**$2.00**
Male	**$0.58**

CentralStar

800.631.3510 • www.mycentralstar.com

Prices and availability are subject to change without notice.

Swine Tags

840 Visual Swine Tag

Premise number required to order (available through your local Department of Agriculture). Tags offer a tamper-proof button and visual panel stud. Available in white and yellow.

Button **$1.25**

FDX Lightweight Swine Ultra 840 EID

Packaged with small global males, FDX technology utilizes the lightweight EID tag. The USDA Premise ID number (issued by the Department of Agriculture in your state) is required to purchase. Apply with the Allflex universal total tagger or Allflex Ultra Retract-O-Matic for EID tags. Packaged in sets of 20 buttons per package.

Individual Tag **$2.47**

ProfitSOURCE®

ProfitSOURCE

ProfitSOURCE is Select Sires' beef-on-dairy program designed to add value and boost returns. Using superior beef genetics, calf care protocols, and lifetime traceability, ProfitSOURCE delivers healthier calves, improved carcass performance, and strong market demand. Backed by real data and supply chain access, it's a proven way to turn genetics into greater profit. Calves that meet all program standards are easily recognized with ProfitSOURCE tags, signaling quality and value to buyers.

Tagging Accessories

Taggers and Accessories

Allflex Ultra Retract-O-Matic for EID/CowManager Tags	**$82.87**
Allflex UTT3S Tag Applicator for all 2-piece tags/electronic tags	**$46.90**
Allflex Retract-O-Matic for visual/global	**$68.54**
Z-Tag Applicator for one-piece tags	**$25.00**
Destron Fearing Universal Tag Applicator	**$29.11**
Allflex A-Tag Applicator	**$27.83**
Allflex Total Tagger Applicator	**$27.38**
Allflex Total Tag Applicator Pin	**$3.45**
Destron Fearing Pin for ProGrip Universal Applicator	**$3.43**
Remover Knife	**$4.33**
Z-Marking Pen	**$7.25**
Allflex Marking Pen with 3 Tips	**$6.49**
Y-Tex Tagger Plus/Combination	**$25.00**

EID Stick Readers

Allflex AWR300 EID Stick Reader	**$1,485.10**
Allflex AWR300 EID Stick Reader Accessories	**$76.60**
Tru-Test XRS2 EID Stick Reader	**$2,100.00**
Tru-Test SRS2 EID Stick Reader	**$1,550.00**

Flagger Leg Bands

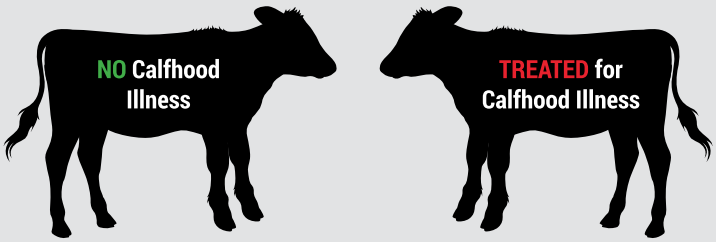
ACO2804 - Orange 10pk	**$15.30**
ACR2804 - Red 10pk	**$15.30**
ACY2804 - Yellow 10pk	**$15.30**

ProfitSOURCE®

Your SOURCE for SUPERIOR FERTILITY, MARKET FLEXIBILITY, and MORE TOTAL REVENUE.

Calf buyers want animals that are thrifty, healthy, and ready to perform. The ProfitSOURCE® program supports that goal with proven genetics, practical management guidelines, and the right products to help calves start strong from day one. Here are three essentials every beef on dairy program should consider:

Daily gain difference for a steer that was healthy as a calf versus treated for an illness as a calf.



Feed Conversion Ratio = **6:1**
Daily Gain = **3 pounds**

Feed Conversion Ratio = **7.5:1**
Daily Gain = **2.5 pounds**

The 0.5 pound-per-day difference in daily gain adds up across the feedyard:
[0.5 lbs. reduced gain x 30 days = 15 pounds-per-head, per month]
[15 lbs. x 100 steers = 1,500 pounds of gain lost = 1 finished steer][1]

[1] as cited in Progressive Dairyman, June 29, 2018.

First Day Formula Colostrum Replacer/Supplement
Calves with higher IgG transfer have lower mortality and fewer illness episodes.

Convert Gel and Tri-Start Gel
Inoculate the digestive tract and restrict pathogen growth. Use at birth, when calves are off-feed, lethargic, at transport, or when under environmental stress.

SCAN TO LEARN MORE

SUSTAINABILITY SOLUTIONS

SCAN TO ORDER ONLINE

Lagoon Management

SOP™ Activator

Promotes the activation of large quantities of dairy-cow and beef-cattle manure in lagoons and pits. This product is the first step in creating a bottom-line friendly byproduct and should be used in combination with SOP Lagoon for the first four weeks of product line application.

A0770 - 20lb **$390.00**

SOP™ Lagoon

The only natural manure product proven to reduce operational dairy and beef expenses while simultaneously suppressing the release of ammonia, greenhouse gas (GHG) emissions, and odors. SOP Lagoon metabolizes nutrients found in animal waste by activating bio-valorization. This process fluidifies waste solids, reducing the need for agitation and bolstering its fertilization properties.

A0772 - 2kg **$155.00**

SHIPS FOR $5!

DRY-COW AND FRESH-COW CARE

BV005 - Bovikalc® (48ct)	$396.97
BV057 - Bovikalc® Dry (48ct)	$411.21
UM3694 - Lockout™ (144ct)	$363.78
HEXXB132 - T-Hexx® Dry™ (1qt)	$78.12
UM3702 - VetOne® BoviBlock™ (144ct)	$338.71

DEWORMER

AC2822 - CYDECTIN® Pour-On (5L)	$398.62
AC2823 - CYDECTIN® Pour-On (10L)	$791.20
AC2844 - CYDECTIN® Pour-On (2.5L)	$351.37
AC2826 - DECTOMAX® Pour-On (5L)	$383.38
AC2848 - EpriGard® (5L)	$248.40
AC2852 - EpriGard® (10L)	$480.94
MR30252 - Ivomec® Eprinex® (2.5L)	$280.38
MR30253 - Ivomec® Eprinex® (5L)	$382.46
MR30254 - Ivomec® Eprinex® (10L)	$738.88
MR19499 - Ivomec® Eprinex® (20L)	$1,340.57
MR41350A - Ivomec® Pour-On (5L)	$316.47

FLY AND INSECT CONTROL

UM3716 - Cattle Armor Pour-On (55gal)	$1,454.85
AC2825 - CyLence® Pour-On (6pt)	$141.66
AC2845 - CyLence® Ultra Premise Spray (240ML)	$71.63
AC2819 - Evergreen® Pyrethrum Conc. Premise (1gal)	$594.11
AC2838 - Evergreen® 60-6 Fly Spray (1gal)	$396.26
AC2843 - Intersect Gold II (2.5gal)	$125.72
AC2837 - Neporex® (11lb)	$141.82
AC2839 - Prozap® Insectrin CS (2.5gal)	$215.00
AC2840 - Prozap® Insectrin CS (1gal)	$100.00
AC2854 - Prozap® Insectrin 1% Pour-On Xtra (1gal)	$34.32
AC2855 - Prozap® Insectrin 1% Pour-On Xtra (2.5gal)	$85.33
AC2835 - QuickBayt® Fly Bait (5lb)	$59.76
AC2836 - QuickBayt® Fly Bait (35lb) *limited supply*	$242.76
AC2832 - Sticky Roll® Hardware	$79.24
AC2833 - Sticky Roll® 1,000ft Roll	$46.80
UM3703 - ULD® BP-100 Premise (1gal)	$112.15
UM3706 - ULD® BP-100 Premise (55gal)	$3,315.54
AC2814 - ULTRABoss® Pour-On (1qt)	$45.98
AC2813 - ULTRABoss® Pour-On (1gal)	$159.83
AC2851 - ULTRABoss® Pour-On (5L)	$232.31

ORDER TODAY!

Products listed above ship for $5 regardless of quantity.

CentralStar

800.631.3510 • www.mycentralstar.com

EpriGard®
(eprinomectin) Pour-On
Parasiticide for Beef and Dairy Cattle

Contains: 5 mg eprinomectin/mL

Not for use in calves to be processed for veal.

INTRODUCTION
EpriGard Pour-On delivers effective internal and external parasite control in one application. EpriGard Pour-On contains eprinomectin, a unique avermectin. Its broad-spectrum efficacy in a weatherproof formulation, margin of safety, zero slaughter withdrawal and zero milk discard, make it a convenient product for parasite control in beef and dairy cattle, including lactating dairy cattle.

MODE OF ACTION
Eprinomectin is a member of the macrocyclic lactone class of endectocides which have a unique mode of action. Compounds of the class bind selectively and with high affinity to glutamate-gated chloride ion channels which occur in invertebrate nerve and muscle cells.

This leads to an increase in the permeability of the cell membrane to chloride ions with hyperpolarization of the nerve or muscle cell, resulting in paralysis and death of the parasite. Compounds of this class may also interact with other ligand-gated chloride channels, such as those gated by the neurotransmitter gammaaminobutyric acid (GABA).

The margin of safety for compounds of this class is attributable to the fact that mammals do not have glutamate-gated chloride channels, the macrocyclic lactones have a low affinity for mammalian ligand-gated chloride channels and they do not readily cross the blood-brain brarrier.

INDICATIONS
EpriGard (eprinomectin) Pour-On is indicated for the treatment and control of gastrointestinal roundworms (including inhibited *Ostertagia ostertagi*), lungworms, grubs, sucking and biting lice, chorioptic and sarcoptic mange mites, and horn flies in beef and dairy cattle of all ages, including lactating dairy cattle.

Applied at the recommended dose volume of 1 mL/10 kg (22 lb) body weight, to achieve a dose level of 500 mcg eprinomectin/kg body weight, EpriGard Pour-On is indicated for the effective treatment and control of the following parasites.

Gastrointestinal Roundworms

Haemonchus placei	(adults and L4)
Ostertagia ostertagi (including inhibited L4)	(adults and L4)
Trichostrongylus axei	(adults and L4)
Trichostrongylus colubriformis	(adults and L4)
Trichostrongylus longispicularis	(adults only)
Cooperia oncophora	(adults and L4)
Cooperia punctata	(adults and L4)
Cooperia surnabada	(adults and L4)
Nematodirus helvetianus	(adults and L4)
Oesophagostomum radiatum	(adults and L4)
Bunostomum phlebotomum	(adults and L4)
Strongyloides papillosus	(adults only)
Trichuris spp.	(adults only)

Lungworms

Dictyocaulus viviparus	(adults and L4)

Cattle Grubs (all parasitic stages)

Hypoderma lineatum
Hypoderma bovis

Lice

Damalinia bovis
Linognathus vituli
Haematopinus eurysternus
Solenopotes capillatus

Mange Mites

Chorioptes bovis

Sarcoptes scabiei

Horn Flies

Haematobia irritans

Persistent Activity
EpriGard (eprinomectin) Pour-On for Beef and Dairy Cattle has been proved to effectively control infections and to protect cattle from re-infection with *Dictyocaulus viviparus* for 21 days after treatment and *Haematobia irritans* for 7 days after treatment.

Use Conditions
Varying weather conditions, including rainfall, do not affect the efficacy of EpriGard Pour-On.

Management Considerations for Treatment of External Parasites
For best results EpriGard Pour-On should be applied to all cattle in the herd. Cattle introduced to the herd later should be treated prior to introduction. Consult your veterinarian or an entomologist for the most effective timing of applications for the control of external parasites.

Chorioptic Mange: In clinical studies evaluating the efficacy of eprinomectin pour-on solution against chorioptic mange mites, mites were not recovered from skin scrapings taken 8 weeks after treatment; however, chronic skin lesions were still present on some animals.

Horn Flies: For optimal control of horn flies, as EpriGard Pour-On provides 7 days of persistent activity against horn flies, the product should be used as part of an integrated control program utilizing other control methods to provide extended control.

DOSAGE
The product is formulated only for external application to beef and dairy cattle. The dose rate is 1 mL/10 kg (22 lb) of body weight. The product should be applied topically along the backline in a narrow strip extending from the withers to the tailhead.

Do not underdose. Ensure each animal receives a complete dose based on a current body weight. Underdosing may result in ineffective treatment, and encourage the development of parasite resistance.

ADMINISTRATION
Metering Cup with Measure-Squeeze-Pour System 250 mL (8.5 fl oz) Container with 25 mL Metering Cup

This pack contains 1 Metering Cup and 1 dip tube

1. Insert the dip tube into base of the Metering Cup. Leave the "slotted end" of the dip tube exposed in the bottom of the container.
2. Unscrew shipping cap from container top.
3. Screw the Metering Cup onto container top.
4. **Measure:** To select the correct dose rate, rotate the adjuster cap (top) in either direction to position the dose indicator to the weight of the animal you want to treat. When body weight is between markings, use the higher setting.
5. **Squeeze** the container gently to fill the Metering Cup to the required dose. Release your grip and any excess will return to the container.
6. **Pour:** Apply the full dose by tipping and pouring along the backline of the animal until the Metering Cup is empty.
7. **Storage:** The Metering Cup should not remain attached to the container when not in use. Detach the Metering Cup after each use and replace the shipping cap to close the container top.

Backpack (1 L/33.8 fl oz, 2.5 L/84.5 fl oz, and 5 L/169 fl oz Packs), and 10 L/338 fl oz Pack
Connect the dosing applicator and draw-off tubing to the backpack as follows:

Attach the open end of the draw-off tubing to an appropriate dosing applicator. Attach draw-off tubing to the cap with the stem that is included in the pack. Replace the shipping cap with the cap having the draw-off tubing.

Gently prime the dosing applicator, checking for leaks. Follow the dosing applicator manufacturer's directions for adjusting the dose and proper use and maintenance of the dosing applicator and draw-off tubing.

ANIMAL SAFETY
Tolerance and toxicity studies have demonstrated the margin of safety for eprinomectin in cattle. In toxicity studies, application of 3 times the recommended dose had no adverse effects on neonatal calves, and application of up to 5 times the recommended dose 3 times at 7 day intervals had no adverse effects on 8 week old calves. In the tolerance study, one of 6 cattle treated once at 10 times the recommended dose showed clinical signs of mydriasis. Application of 3 times the recommended dose had no adverse effect on breeding performance of cows or bulls.

Residue Warnings: When used according to label directions, neither a pre-slaughter drug withdrawal period nor a milk discard time is required, therefore, meat and milk from cattle treated with EpriGard (eprinomectin) Pour-On may be used for human consumption at any time following treatment. A withdrawal period has not been established for pre-ruminating calves. Do not use in calves to be processed for veal.

WARNING:
Keep this and all drugs out of the reach of children.
NOT FOR USE IN HUMANS.

As with any topical medication intended for treatment of animals, skin contact should be avoided. If accidental skin contact occurs, wash immediately with soap and water. If accidental eye exposure occurs, flush eyes immediately with water. The Safety Data Sheet (SDS) contains more detailed occupational safety information.

To report suspected adverse drug events for technical assistance or to obtain a copy of the SDS, contact Aurora Pharmaceutical at 1-888-215-1256 or www.aurorapharmaceutical.com. For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS or online at http://www.fda.gov.reportanimalae

PRECAUTIONS
This product is for topical application only. Do not administer orally or by injection.

Do not apply to areas of the backline covered with mud or manure.

EpriGard Pour-On is not recommended for use in species other than cattle. Severe adverse reactions have been reported in other species treated with products containing compounds of this class.

Restricted Drug (California) – Use only as directed.

When to Treat Cattle with Grubs
EpriGard Pour-On is effective against all stages of cattle grubs. However, proper timing of treatment is important. For the most effective results, cattle should be treated as soon as possible after the end of the heel fly (warble fly) season. While this is not peculiar to eprinomectin, destruction of *Hypoderma* larvae (cattle grubs) at the period when these grubs are in vital areas may cause undesirable host-parasite reactions. Killing *Hypoderma lineatum* when it is in the esophageal tissues may cause bloat; killing *H. bovis* when it is in the vertebral canal may cause staggering or paralysis. Cattle should be treated either before or after these stages of grub development.

Cattle treated with EpriGard Pour-On at the end of the fly season may be re-treated with EpriGard Pour-On during the winter without danger of grub-related reactions. For further information and advice on a planned parasite control program, consult your veterinarian.

OTHER WARNINGS
Parasite resistance may develop to any dewormer, and has been reported for most classes of dewormers.

Treatment with a dewormer used in conjunction with parasite management practices appropriate to the geographic area and the animal(s) to be treated may slow the development of parasite resistance.

Fecal examinations or other diagnostic tests and parasite management history should be used to determine if the product is appropriate for the herd/flock, prior to the use of any dewormer. Following the use of any dewormer, effectiveness of treatment should be monitored (for example, with the use of a fecal egg count reduction test or another appropriate method).

A decrease in a drug's effectiveness over time as calculated by fecal egg count reduction tests may indicate the development of resistance to the dewormer administered. Your parasite management plan should be adjusted accordingly based on regular monitoring.

Environmental Safety
Studies indicate that when eprinomectin comes in contact with soil, it readily and tightly binds to the soil and becomes inactive over time. Free ivermectin/eprinomectin may adversely affect fish and certain aquatic organisms. Do not permit cattle to enter lakes, streams or ponds for at least 6 hours after treatment. Do not contaminate water by direct application or by the improper disposal of drug containers. Dispose of containers in an approved landfill or by incineration.

As with other avermectins, eprinomectin is excreted in the dung of treated animals and can inhibit the reproduction and growth of pest and beneficial insects that use dung as a source of food and for reproduction. The magnitude and duration of such effects are species and life-cycle specific. When used according to label directions, the product is not expected to have an adverse impact on populations of dung-dependent insects.

ADVERSE REACTIONS
No adverse reactions were observed during clinical trials.

STORAGE CONDITIONS
Store bottle or pack in the carton to protect from light and at temperatures up to 86°F/30°C. Storage at temperatures up to 104°F/40°C is permitted for a short period of time, however, such exposure should be minimized. Do not freeze.

For the 250 mL/8.5 fl oz bottle with a measure-squeeze-pour system, the Metering Cup should not remain attached to the container when not in use. Detach the Metering Cup after each use and replace the shipping cap to close the container top.

HOW SUPPLIED
EpriGard (eprinomectin) Pour-On for Beef and Dairy Cattle is available in a 250 mL/8.5 fl oz bottle with a measure-squeeze-pour system, or in a 1 L/33.8 fl oz, 2.5 L/84.5 fl oz or 5 L/169 fl oz backpack, or 10 L/338 fl oz pack, intended for use with appropriate automatic dosing equipment.

Approved by FDA under ANADA # 200-741

Manufactured by:
Aurora Pharmaceutical, Inc.
Northfield, Minnesota 55057

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aurora PHARMACEUTICAL®