SUSTAINABILITY

Lactanet

2021 WESTERN PROGRESS REPORT

WestGen™

PROUDLY WESTERN CANADIAN

WestGen is a farmer owned and directed group of companies that increases performance and profitability for dairy farmers across Western Canada by providing best in class genetics and reproduction solutions as well as access to experts in a range of specialties.

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The ARC, Canada's first Advanced Reproduction Centre, is changing the conversation surrounding reproduction. By providing all Western Canadian Producers access to the world's most advanced technologies, exclusively through our network of reproduction experts and partners, your genetic goals will be translated into a cost-effective tailored reproduction plan; bridging the gap between your genetic strategies and reproductive results.

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Western Progress Report

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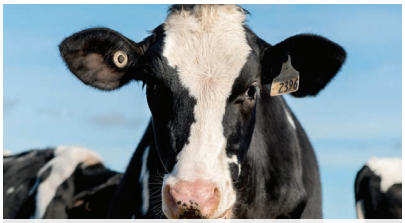
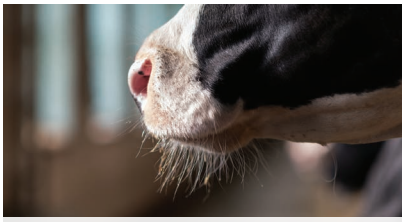




VISION

To be the premier source of information and innovative solutions for dairy farmers and industry partners.

MISSION

To be the leading provider of herd management solutions and knowledge to support the development of a prosperous and sustainable Canadian dairy industry.

LACTANET PRIVACY POLICY SUMMARY

The information collected by Lactanet, voluntarily provided by producers through the use of services, is available to customers in paper and electronic forms. Access to information by advisors and/or any other parties via mail, email, website, or otherwise, requires explicit customer consent.

Lactanet customers acknowledge that Lactanet may collect their personal information, including, but not limited to name, address, phone number and unique animal identification numbers when they use Lactanet services. By providing us with any personal information, customers consent to the sharing of information with the responsible administrator for dairy traceability for the purposes of regulatory and/or voluntary reporting.

Further, herds enrolled on Lactanet services may have information published for awards and recognition purposes with annual summaries and year-end publications. Additionally, selected information from all customers will be provided for the calculation of genetic indexes and sire proofs. Where applicable, information is provided to various breed associations for recognition and breed improvement programs.

Participation in Lactanet testing programs implies consent for the release of data to these third party organizations, unless otherwise stated to Lactanet. From time to time, Lactanet provides marketing services to third party agricultural organizations. All methods of distribution of marketing materials maintain producer confidentiality. No producer information is sold, traded or otherwise shared.

Lactanet operates under Canada's Personal Information Protection and Electronic Documents Act (PIPEDA).

Note: This is a summary of the Lactanet Privacy Policy. For the complete statement, please visit lactanet.ca.

A WORD FROM OUR CEO

Transformation & Evolution

As we enter our fourth year of the Lactanet partnership, it is a pivotal time where all departments and the Board of Directors are involved in strategic planning and identifying the business objectives for our next stage of development. The pace of change, technology, and adapting to uncertainty continues to influence a lengthy list of goals and deliverables.

Lactanet is more than milk recording and while we continue to offer proven, reliable solutions that simply solve challenges for our customers every day, we will also build on advanced solutions to show dairy farmers what's possible. As farms continue to be fewer, larger and more technically advanced, we will evolve and offer a range of options that support all profit models and milking systems to help make your dairy operation better.

Despite two years of a pandemic that kept us on our toes, we have many accomplishments to share in the pages ahead. The introduction and expansion of new products and services gained attention, such as our Selective Dry Cow Therapy report and Feed Efficiency evaluations. We also made enhancements to our software and mobile apps, an improved gateway to access reports via MySite, a new Dynamic Herd Dashboard, and the evolution of our partnership with one unified website.

February 22, 2022, was an iconic celebration in our industry as we recognized the very best herds in the country — all possible with our Herd Performance Index (HPI) that represents six key areas that drive today's dairy farms. If you haven't yet reviewed our list of the top 1% of some of the finest herds in the country, be sure to visit our website.

A major initiative for the year ahead is to rewrite the rules for production records and their publication. As we adapt to the changes in on-farm technologies, we will work with industry partners to integrate sensor data into records and present the information in a new format.

Collaborations remain important to fulfill our mission in the longer term as alliances extend our reach and improve the speed of what we can offer. With this approach, products, services and tools often become more affordable. We will continue to challenge and identify areas where we can innovate to create better value to meet the needs of Canadian dairy farmers.

I would like to acknowledge the dedication and commitment of our team as they continued to provide services throughout the pandemic. Their efforts are complemented by the leadership of our Chair, Barbara Paquet and the entire Lactanet Board of Directors. They challenge us to be better and are committed to planning for a successful future.

Enjoy our 2021 Progress Report!

Sincerely,

Neil Petreny

Neil Petreny
CEO, Lactanet Canada

LACTANET VALUES

EXPERTISE | INTEGRITY | INNOVATION | ENGAGEMENT | EXCELLENCE

A WORD FROM OUR CHAIR

Communication & Connection

Each year, Lactanet releases four publications that report the performance of dairy herds and our industry. As dairy producers, we all look forward to the Progress Reports that are customized with data relevant to each of us in our respective regions across Canada: West, Ontario, Québec, and Atlantic.

Whether it be through our website, a training workshop, social media, this flagship publication, or by talking to Lactanet staff, as a dairy farmer led organization, we understand the importance of communicating and connecting with the dairy community. Lactanet has many touchpoints with producers but there are a few that I would like to reference.

The first is Lactanet's Best Managed Dairy Herds event, where we gather virtually in February to reveal Canada's best 25 performing herds, as well as top herds by province, reflected by Lactanet's Herd Performance Index. On behalf of the Board of Directors, I would like to congratulate the producers and their teams that demonstrate the discipline, determination, and passion that lead to these exceptional results. If you missed the event, it's not too late to watch the video recordings on our YouTube channel that have reached over 4,000 views in both English and French.

Secondly, in 2021 Lactanet championed a national Resolutions process by developing an on-line platform that accepts resolution submissions and feedback from dairy producers to shape and support the future of our industry. We were pleased with the participation in our first year as we considered 28 resolutions, experienced amazing engagement in the chat forum, and received more than 1,100 votes. The next round of resolutions for 2022 are currently underway and I invite all dairy producers to visit the website and learn about the process at lactanetresolutions.ca.

Thirdly, by expanding Lactanet's on-line training program in 2021/22, we were able to share know-how from our Center of Expertise and connect with dairy producers across the country. From topics such as optimizing milk fat tests, forage yields, robot feed margins, and the new Sustainability Index, there have been over 1,800 registrations to webinars and virtual workshops. By strengthening the hearts and minds of dairy farmers, we can aim for a more profitable business.

At home, it's been 16 months since our farm converted to robotic milking. Our operation has evolved along with the resources we rely on, but our trust in the data and lab services from Lactanet remains. By combining technologies, we have developed a new approach to herd management and tend to spend less time on traditional tasks. Our family is also conscious of today's definition of sustainability and how it goes beyond the environment, and includes animal care, manure management, working conditions, human wellness, workforce shifts, and efficient business models.

Lastly, in early 2021 the Lactanet Board appointed Frido Hamoen as an external Director to the Board. As a resident of The Netherlands, Frido's management and leadership expertise in dairy and animal science, genetics, data management, product innovation and marketing, will provide a strong international perspective.

While we cannot control COVID and its impact on our connection with each other, we can control the information and services we offer to our customers. If you are spending too much time assessing your herd, registering your cows, or complying with proAction® traceability requirements, take a moment to chat with our knowledgeable field staff about the options we can provide at Lactanet. Let us make things easier for you.

Sincerely,

Barbara Paquet

Barbara Paquet
Chair, Lactanet Canada
Producer from Saint-Côme-Linière, QC

Lactanet

2021 ACCOMPLISHMENTS

Serving
8,000+
Canadian dairy farmers from coast to coast

4.5 million
milk samples collected and analyzed from **70,000 herd visits**

We help dairy producers meet today's challenges with simple, convenient and affordable solutions that work.

Lactanet plays an important role in driving **sustainable** agriculture.

22,000+
hours of advisory services*
**Québec & Atlantic data*

120,000+
cows test in **robot** herds

We can achieve great things when technologies and data are used in combination with one another.

96,000+
GestaLab milk pregnancy samples tested

100,000+
electronic animal **registrations** submitted for customers

19,000+
Mastitis4 tests conducted*
**Western Canada & Ontario data*

34%
of herds are enrolled on **MUN**

38%
of herds are enrolled on **KetoLab**

38%
of farms on test use **PROFILab***
**Québec data*

28
industry **resolutions** submitted by licenced dairy producers
1,100+ votes casted

17,000+
cows use **eDHI**

27%
of customers subscribe to the Lactanet **mobile app**

1,000+
participants attended Lactanet's Master Your Feed Margin webinar

#1
herd management **software** provider in Canada

LactDairyComp

**52% of milk recorded cows in Western Canada & Ontario are managed with DairyComp*

Source: Lactanet Canada 2021

Top Producers Share Progressive Practices

By Steve Adam, agr., Expert in Dairy Production, Comfort and Welfare, Lactanet Canada
& Catherine Larivée Bazinet, agr., Knowledge Transfer Advisor, Lactanet Canada

Between April 2020 and January 2021, over 2,000 dairy farmers in Québec participated in two surveys on cow and calf management, and housing. The data collected highlighted the need to emphasize progressive practices for a more sustainable and profitable business.

Progressive Practices for Calf Feeding

When we talk about calf rearing, we cannot ignore the importance of the environment and of colostrum. In fact, what emerged from the surveys as progressive practices is to:

- Test the quality of the colostrum;
- Give the calf its first meal of colostrum within at least one hour after birth;
- Administer at least four liters or more of colostrum to the calf at its first feeding;
- Have an area for calves that is dry, clean, comfortable and soft, with a thick bedding.

Providing an excellent start and managing thermal stress in calves is a key practice — be it from cold or heat.

Progressive Practices for a Better Transition

The response from top-performing producers indicated that they strived for next-level transition practices for dry cows, close-up dry cows, and calving pens, such as:

- Adding a feeder liner;
- Adding a secondary source of ventilation;
- Providing deep bedding.

Although some of these practices require a little investment, they all improve the comfort of your herd, which translates into happier productive cows that meet the expectations of their owners. Essentially, having a trouble-free herd contributes to a rewarding work environment.

Progressive Practices to Reduce the Removal of Animals from the Herd

According to Lactanet's 2020 data, the most important causes of involuntary culling are reproductive problems, mastitis, high somatic cell count (SCC), feet and leg problems, as well as accidents and injuries. Therefore, it's not surprising that feedback from the survey reflected the following progressive practices to reduce the removal of animals in the herd:

- Trim hooves three or more times per year;
- Incorporate a foot bath into hoof health management;
- Run the alley scraper continuously.

Animal Comfort and Welfare Always Pays Off

Surveys, data collection and analysis provide you with the information you need to compare your typical management practice with progressive methods that have been successful for others. Collectively, this leads to a trajectory of improvement for the entire Canadian dairy industry.

Remember, sustainability is a set of factors that make a business viable and profitable over the long term. And it's most satisfying when best animal management practices can improve farming life for you and your family.

PARTENARIAT CANADIEN pour l'AGRICULTURE
Canada
Québec

The surveys for the Portrait of Quebec Dairy Farms in Terms of Management and Housing project is funded under the Canada-Quebec Agreement for the Implementation of the Canadian Agricultural Partnership. Together, the federal and Quebec governments have invested $293 million over a five-year period from 2018 to 2023. This agreement supports strategic initiatives that will help Canada's agriculture sectors grow, innovate, and prosper.

Sustainability: A Genetics Perspective

By Dr. Filippo Miglior, Senior Advisor, Genetic Strategic Initiatives, Lactanet Canada

As leaders in the global dairy sector, we are proud to offer Lactanet customers with innovative genetics products. Our genetics team provides evaluations for over 100 traits and indexes with a breeding objective that focuses on improving all aspects of the dairy animal. This includes production, conformation, longevity, mobility, disease resistance, fertility and milkability. In 2021, Feed Efficiency was introduced to expand on this objective.

Sustainability and Genetics

Sustainability has a complex definition. It includes increasing the production of a nutritionally dense, human-edible product to meet the pressure of a growing world population, while also reducing emissions, improving on-farm efficiency, meeting societal expectations, and enhancing animal welfare. Profitability of farms and farmer wellness are also important factors.

In an effort to improve sustainability, producers need to find the optimal balance between all of these aspects of their operation. Genetics plays a role in this process by helping Canadian dairy farmers target key areas of improvement for a thriving herd. By assessing the needs of producers, Lactanet identifies opportunities for future genetic improvement where long-term sustainability is the goal.

Feed Efficiency Trait

In 2021, Canadian Holstein breeders began to breed for even more efficient cows by making selection and mating decisions using the new Feed Efficiency evaluations. Feed typically represents more than half of on-farm production costs and as feed costs rise and climate change comes to the forefront, dairy farmers are under great pressure to produce more milk with fewer resources. The Feed Efficiency evaluation can help producers focus on genetic selection for improved efficiency without affecting production levels, body size or stress during the transition period.

Animal Health and Welfare

Improving the health and welfare of dairy cattle is pivotal to this formula. Our much-anticipated Calf Health evaluations that are currently in beta testing will involve the use of existing farmer-recorded data to improve the well-being of young stock, starting from day one. As we routinely update evaluations for other health and fertility traits, we can further optimize the natural biological function of the animal.

Managing Animals in a Changing Climate

One of our goals for the future is to breed for a more resilient dairy cow. Lactanet's current international research collaboration projects focus on cows that are able to bounce back from stressful events — be it health, reproduction or the environment.

Going forward, Lactanet also plans to introduce tools aimed at reducing the greenhouse gas output of dairy cattle herds. In a world that keeps getting warmer, we will continue to develop new strategies and products that farmers can use to tackle industry challenges.

How to Access an Animal's Feed Efficiency Evaluation

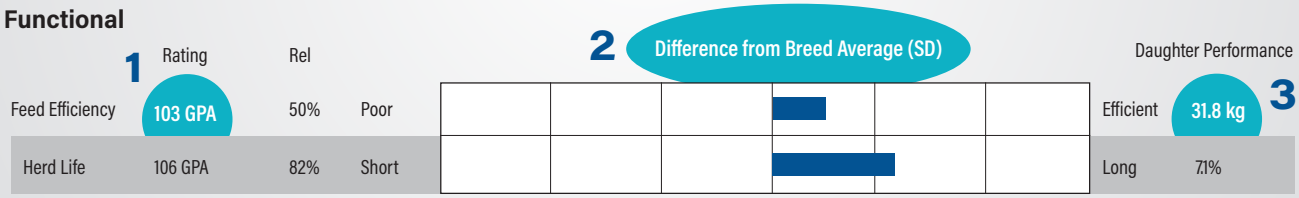
To view the Feed Efficiency (FE) evaluation for an animal in your herd, you must be a current milk-recording client, or have paid for that trait to be visible per animal.

For AI companies that are Lactanet customers, the trait is published for all bulls in their inventory. Therefore, selecting for bulls based on FE is easy, regardless if your herd is enrolled in milk recording.

When looking at an animal's Genetic Evaluation, FE will appear at the top of the Functional Traits list, as shown in the bull evaluation example below:

FE REFERENCE

1. Indicates the numerical score for the trait. Like all indexes, the average is 100. For every 5 points away from 100 that an animal is, they are 1 standard deviation* further away from the breed average.
2. Indicates the visual presentation of the animal's difference from average. Average is the center line, and every line mark is 1 standard deviation. In general, two-thirds of animals fall within 1 standard deviation above or below average and 95% fall within 2 standard deviations from average. Only the most extreme animals in the breed will reach 3 standard deviations from breed average.
3. Indicates the raw value of kg reduction in dry matter intake after peak lactation that we expect daughters of this sire to consume, compared to daughters of a breed average sire with a rating of 100.



** Standard Deviation: a measure of how dispersed the data is in relation to the mean. Low standard deviation means data are clustered around the mean, and high standard deviation indicates data are more spread out. (Source: National Library of Medicine)*

The Evolution of On-farm Technology

By Mario Séguin, agr., Dairy Production Expert, Lactanet Canada

Lactanet is the number one herd management software supplier in Canada and DairyComp users continue to tell us how much they appreciate its automated capabilities, including the ease of data exchange with their computerized milking system. Producers can manage their entire herd on the DairyComp program and the information is transmitted to the milking system, eliminating the need to re-enter data.

On-farm milking equipment has evolved rapidly over the past 20 years. Many Canadian dairy farms are equipped with milking software that is associated to a robot, a parlour or even to electronic milk meters in tie-stalls. These systems collect a wide range of herd performance parameters on a daily basis, especially with the addition of various electronic sensors.

There are however a good portion of farms that use traditional milking systems with milk meters installed on pipeline, or a milking parlour that is without a computerized system. Regardless of your equipment and management style, Lactanet has evolved alongside new diverse technologies and can accommodate customer preferences and adapt its services to any milking system. In fact, our knowledgeable field representatives have computerized tools and options at their disposal, including the new eDHI service.

Softwares That Facilitate Data Exchange

DairyComp herd management software and Ori-Automate data transfer software can be adapted to a wide range of milking equipment.

For those without DairyComp, Ori-Automate software facilitates data transfer during milk recording on farms equipped with standard milking software. Ori-Automate minimizes errors associated with manual data entry and has herd event validation functionality. Finally, it can return milk recording component values to milking software to support herd management.

eDHI Service

Lactanet's eDHI service is used by a growing number of clients who do not wish to sample milk from cows, while enjoying the multiple benefits of staying on milk recording. Since herd data is collected electronically through secure remote access, the presence of a Lactanet service representative on the farm is not required, thus reducing costs. Two service options are available: sensor eDHI and tank eDHI.

The **sensor eDHI** option collects information from robotic systems that have milk component sensors (% fat, % protein, SCC). These component files are used to produce complete milk recording herd management reports. This option also allows individual cow component values to be transferred to DairyComp for detailed analysis.

The **tank eDHI** option uses bulk tank component data to generate herd management reports at milk recording. There is no validated component data, but it counts the milk production of each cow.

eDHI Client Statistics in Canada

Number of Herds: 71

Number of Cows: 16,674

Cows per Herd: 235

Source: Lactanet Canada, February 25, 2022

There are many other benefits to the eDHI service. By sending herd inventory information to the national Lactanet database, producers can access genetic improvement tools. This includes the free on-line Compass app, as well as classification. Herd management reports, Herd Performance Index's (HPI), and benchmarking results are generated from this data. Finally, lifetime lactation and total production histories are listed.

Whatever your milking system, Lactanet will continue to innovate and evolve with on-farm technologies, while data is collected, compiled, calculated, and delivered for accurate decision making.

Anton and Sheryl Borst, owners of Halarda Farms in Manitoba, were one of the first herds in Canada to use the eDHI service. Their 1,300+ cow farm is home to 20 milking robots. "The robot component data that is added to DairyComp is very useful to me," says Anton. "I use the production data at milk recording to sell cows to other robotic farms and I get the PRO$ genetic values that I use for my herd's breeding strategy."

Halarda Farms Ltd., Anton & Sheryl Borst, Elm Creek, MB

Outlook of the Future: Growing More Perennial Forage Crops

By Jean-Philippe Laroche, agr, M. Sc, Dairy Production Expert, Nutrition and Forages, Lactanet Canada

Canadian dairy producers are fortunate to be able to produce excellent quality forage and with more ease than producers south of the border. One element is our cooler climate, which favors the production of leaves in perennial forage plants. Despite the climate advantage, there has been a decrease in forage acreage over the last 50 years in some Canadian provinces like Ontario, Quebec, and the Maritimes (Figure 1). This phenomenon can be explained by several factors such as the overall decrease in the number of ruminants, the intensification of certain annual crops, as well as the conversion of forage areas to fallow land.

However, we feel the winds of change rising within the industry. More and more voices are being raised for us to maintain (or even increase) the acreage of perennial forage plants in some provinces. There are many reasons for this, such as:

More Forages for the Environment

The environmental benefits of perennial forages are obvious. Not only do they require fewer inputs, but they also protect our soils from erosion, which has a positive effect on the health of watercourse. Perennials have a significant impact on biodiversity in agricultural settings. Moreover, we cannot overlook the ability of these plants to sequester large quantities of atmospheric carbon in the soil - an indispensable asset in the fight against climate change.

It's a sure bet that in the next few years, we won't hear the last of perennial forages to improve the environmental footprint of agriculture.

More Forages to Improve Profitability

In dairy production, forage quality has a considerable impact on feed margins. Better quality forages allow cows to increase their consumption and productivity, while significantly reducing concentrate purchases. To take advantage of these economic benefits, an increase in grassland must be planned for, as cows will consume more forages. Fortunately, the economic benefits of perennial forages extend far beyond the barn.

It is well known that the presence of grasslands in the rotation allows for a significant improvement in soil health. What is less known is how it pays off for the producer long term! Several studies report that the presence of a perennial forage plant in a rotation increases yields of other field crops. Some researchers even tell us that a minimum of three years of sequential grassland is needed in the rotation to maximize soil health, which would have a positive effect on long-term profitability.

The growing demand for commercial hay also provides other interesting opportunities for producers. It is likely that commercial hay will be looked to more and more as another rotation crop for grain producers in the future.

More Forages for Social Acceptability

As we have seen in recent years, consumer perception of our production methods is increasingly important. On this topic, let's not forget that the production and use of perennial forage plants represent one of our major assets in dairy production. Hay crops have no nutritional value for humans, but the forage plants themselves have a positive impact on the overall environmental footprint of the farm.

More Forages for Sustainable Milk Production

In conclusion, the presence of perennial forage plants in rotations is essential for sustainable dairy production. It's important for the entire forage industry to work in harmony to support this production sector. Lactanet will be part of these conversations and this movement for the greatest benefit of producers.

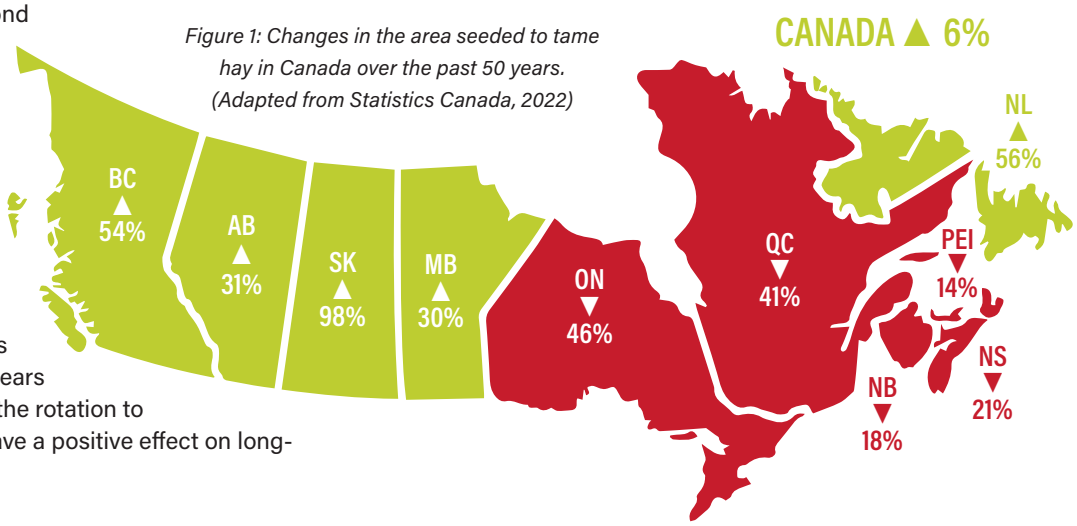


Figure 1: Changes in the area seeded to tame hay in Canada over the past 50 years. (Adapted from Statistics Canada, 2022)

FARM **PROFILE**

Lavender Farms Ltd

Abbotsford, British Columbia

Owners: D.R. & Angela Vaandrager

Left to right: Kyle, Janessa, D.R., Angela, Cody & Celina Vaandrager

Aftershock Debbie Ex 2E & Kyle Vaandrager

Ranking:

- #12 in British Columbia
- #5 robot in British Columbia

Herd Size: 140 lactating cows

Barn: Free-stall

Milking System: 3 Lely A3 robots

Average Age at 1st Calving: 23.5 months

Calving Interval: 13.6 months

Average SCC: 121

Lactanet Services:

- Milk Recording (Ori-Sampler)
- SCC
- Management Reports

(Based on data from Lactanet 2021 Herd Performance Index)

Lavender Reliable Sidekick & Janessa Vaandrager

The key to success at Lavender Farms lies in consistent, but measured progress. Together with his wife Angela, eldest son Kyle, and full-time employee Robert Waugh, D.R. Vaandrager takes their herd of 140 cows steadily towards their goals. Holding a 2020 Holstein Master Breeder Shield, Lavender Farms proves that balancing type and production is not only possible, but when combined with careful management, is a recipe for success.

Early Selection and Intervention

"We breed for balance overall," says D.R. "We make our living on making milk, but a well-made cow, a properly functional cow – she'll milk." While their mating selections are still based on positive production values for Milk, Fat, and Protein, D.R. places immense value on functional traits linked to overall profitability, like Mammary, Rear Leg – Rear View, and especially Chest Width. Identifying these traits early is important, as replacement heifers are often in excess. "If she's not a good-looking animal at six or eight months old, she's not going to get better," D.R. stresses. "It happens, but you have to take the loss early and move on. You can be the best in the world, but there will always be the worst in your barn, and she's got to go."

Identifying Balance with Metrics

It's not to say that their focus is exclusive to the young stock. Lavender regularly has cows achieve lifetime production records, and understanding the use of metrics has helped. "A balance of type, production traits, BCAs and true Milk Value is important to our success," adds D.R., "and I like BCAs, because you can compare lactation to lactation – what a cow should do. However, BCAs are a tool. You can still have an older cow that's a minus on the herd BCA average, but producing more dollars than a second-calver that's doing pretty well." By understanding each point of evaluation, D.R. can make good decisions for mating and culling alike, tailored to a cow's age and production relative to her peers.

Comparing 'like to like' allows D.R. to tell which animals are doing more with less and which cows may need a bit more help. "Our priority right now is efficiency, especially in overall production," D.R. elaborates. "Especially with feed price, the dry summer, and the November flooding – we simply have to be more efficient wherever we can and that starts with the cows."

Appreciation in the Little Things

Lavender Farms is located in Abbotsford, where catastrophic flooding hit the Sumas Prairie in November 2021. When the floodwaters spilled over, D.R. and his family found themselves on the brink of disaster. "We're in this little pocket," he explains, "and everything half a mile to the east of us was on evacuation order. We're just that little bit higher." Isolated from the other side of the valley by the waters, it took many long days before they could help their community. Working where they could, D.R. and his family were overcome by the scope of the disaster, and how narrowly they had been spared. "None of the pictures really do it justice," says D.R., "when you're in there trying to help it's a very big realisation just how small and powerless we are."

Regardless of why their barn was spared, the Vaandragers are grateful to God and do not take it for granted. "We're very fortunate to be where we are. With everything that's going on, we're just hoping to keep going and to try and improve along the way."

Left to right: Julie, Jos, Janneke & Lexie Steegink, Johanna Hondebrink, Brent & Owen Steegink & Jan Hondebrink

Adventure Holsteins Ltd.

Rocky Mountain House, Alberta

Owners: Jan & Johanna Hondebrink, Jos & Janneke Steegink

Jos Steegink describes his ideal cow as one who is problem-free and efficient, with a long herd life. While not every cow is built this way, together with his wife Janneke and Janneke's parents, Jan and Johanna Hondebrink, Jos does what he can to help his cows achieve the goals he sets for them, regardless of where they start.

Better Selection, Better Performance

In 2017, genomics became the tool of choice as Adventure Holsteins started genotyping their young stock. "You're starting earlier for selection and with more complete information," Jos explains. "We select for a resilient cow that can hold a long productive life, high milkfat, and better rumps, and I'm seeing a clear improvement since we started genomic selection." Genomics has also helped with fertility, as the pregnancy rate is also an important area of focus for the farm.

The breeding strategy at Adventure Holsteins is to breed the top 30% of animals to high-index sires and the bottom 30% to angus beef. Those in the middle are bred to conventional semen from a mix of top bulls, with 20% being 'proven' and 80% young.

Progressive Dry Cow Practice

Problem-free can mean a lot of things, but for the Adventure Holsteins team a large part of it is udder health. Regular scraping, quality bedding, full-coverage post-dip and a holistic approach has all helped the farm meet their objectives.

"It's infrequent that we have chronic SCC issues," Jos says, "and the more you work, the more you improve." The farm frequently uses the Dry Off and Fresh Monitor report to manage animals, as it's easy to identify the chronic cows test over test and track their progress. Their SCC has improved to a point that Selective Dry Cow Therapy (sDCT) is now a regular practice. "When we started, I expected only a few cows to be eligible," Jos recalls, "but now it's only a handful who aren't. We've been doing sDCT for about four years and it keeps improving."

Using a top-quality teat sealant has also helped, and Jos has found that investing in the right tool can really pay off. Dry-off is fast, easy, and low-stress overall.

These Hooves Are Made for Walking

Jos also tracks the progress of the herd's hoof health regularly. "I really hate to see a lame cow, especially as she walks into the parlour," mentions Jos. "If she's walking even a little off, we take a look at her as soon as we can – I want to help her right away." In addition to a hoof trimmer who visits up to four times a year, the farm has a hoof-trim chute on site, making it easy to bring the cows in for immediate fixes. On trim days, they do maintenance to prevent overgrowth and give a second look to any lingering problems that have needed attention since the last visit. This keeps the herd happy, healthy, and walking confidently year-round.

Tending to the cows is Jos' strength and passion, and thanks to the rest of his family he's able to put his best foot forward. "I'm very fortunate that my father-in-law Jan is here," he adds. "He enjoys and excels in fieldwork and maintenance, so it gives me the opportunity to be in the barn to manage the herd." Splitting the work between all of the family members with a focus on each person's individual strengths makes things efficient for everyone. "We recognize God's providence in everything, as He has blessed us with our skills. This approach makes our farm successful in every way," adds Jos.

Ranking:
- #4 in Alberta
- #23 Free-stall in Canada

Herd Size: 110 lactating cows

Barn: Free-stall

Milking System: Double-10 Parallel Parlour, GM Vertical Lift Milkers

Average Age at 1st Calving: 24.2 months

Calving Interval: 12.9 months

Average SCC: 101

Cows in 3rd Lactation or Higher: 41.2%

Lactanet Services:
- DairyComp
- Milk Recording
- SCC
- Management & Health Reports

(Based on data from Lactanet 2021 Herd Performance Index)

FARM **PROFILE**

Marfay Farms Ltd.

Osler, Saskatchewan

Owners: Merlis & Mark Wiebe

Ranking:

- #2 in Saskatchewan
- #15 Free-stall in Western Canada

Herd Size: 550 lactating cows

Barn: Free-stall

Milking System: Double 12 Parallel

Average 305 Milk Value: $9,426/cow

Average Age at 1st Calving: 23.2 months

Calving Interval: 12.5 months

Lactanet Services:

- DairyComp
- SCC
- KetoLab
- Management Reports
- Lactanet Mobile

(Based on data from Lactanet 2021 Herd Performance Index)

Left to right: Levi Moore, Payton Moore (with baby Camilla), Drake Wiebe, Brailey Wiebe, Pam Wiebe & Mark Wiebe

Bill and Olga Wiebe started Marfay Farms in 1970, milking a humbly-sized herd of 18 cows in a tie-stall. With progressive practices and eyes on the future, today Marfay tends to over 650 cows in a sand-bedded free-stall that is managed by Bill and Olga's sons, Mark and Merlis Wiebe.

Early Progress

As early as 1978, the progressive feeding regime at Marfay included chopped and mixed silage, while the industry standard at that time was to feed whole forages and top-dress concentrates. Eventually, the Wiebes switched to a TMR to drive production further.

After Marfay Farms became a limited company in the early 90s, they invested in a naturally-ventilated free-stall barn, and in 1998, Mark and Merlis joined the partnership. The change in barn design allowed the milking herd to grow from 50 to 200 cows, while maintaining overall high productivity.

Comfort was maximized through all seasons and the new facilities optimized labour efficiency for both the herd and family. "We do our very best to manage all aspects of the herds health and environment from the day they're born," Merlis says, "which means gentle handling and taking excellent care of the cows to reduce involuntary turnover, maximize their productive potential, prevent disease, and minimize stress."

Modern Day Tech Tools

From early on, the Wiebes adopted milk recording as a way to measure herd progress and set goals. "We've grown to depend on the data generated by testing," Merlis explains, "we especially use it to evaluate the profitability of the animals, with a focus on our SCC and fat percentage." Over the years, changes in both nutrition and housing had impacted these core areas, and through milk recording Marfay Farms was able to not only track it, but minimize deviation.

Complimenting the farm's milk recording data is their DairyComp software. "It's the universal language for the consultants that we work with," says Merlis, "and exporting data and generating reports for advisors is easy." As an added bonus, the Wiebes use the mobile app to update information cowside, without having to go back to the computer, which has simplified their recordkeeping practices. As they feed, move, and manage their herd, all data is stored in one secure place regardless of its origin.

Managing Cows and People

"Our first barn design should've had a higher focus on cows, rather than people," Merlis remembers, "so when the farm expanded in 2018, the primary focus was on the herd." Along with changes to the nursery, maternity and close-up pens, sand bedding has made a significant improvement to hoof health and longevity. "We still have a way to go to get our herd productivity aligned to our goals," adds Merlis, "but we hope to reach them within the next five years."

Both Merlis and Mark try to lead their team by example. "We commit to clear training, a positive work environment, and making sure our people have the right tools to excel. We're hands-on every day as much as we can be," affirms Merlis, "but our staff also deserves credit for the farm's success."

Marfay is dedicated to the pursuit of excellence for every cow in their large herd of over 650. By placing great value on each and every animal, honing-in on data as a guiding light, and allowing technology to serve their progressive management goals, the farm is destined to have cows that give back and support their business model.

Left to right: Arnold, Kim, Anja, Ria & Jonathan Lange

FARM **PROFILE**

Lang Farms Ltd.

Dufresne, Manitoba

Owners: Arnold, Kim & Jonathan Lange

Attention to detail, cow comfort and herd wellness is something that sits very close to the heart of Lange Farms – and has from the very beginning. "My dad would sometimes say, if you don't spoil your cows, you can't spoil your wife," Arnold Lange jokes, though there is truth in the witticism. Arnold bought the farm and its 200 acres of land from his parents in 1998, and has always made a point of keeping the cows clean, well-fed, and content.

Investing in Cow Comfort and Automation

In the early 2010s, the herd hit some turbulence and production fluctuated. "The cows didn't want to come to the parlor, and when they did, they didn't want to stand still," says Arnold. "The herd was stressed. Some days were worse than others. We experienced mastitis, and some cows were not milking at all."

Not knowing the root cause of the issue, the Langes doubled down on comfort, cleanliness and care. Switching from straw to sawdust bedding, putting up fans and misters for summer heat, and installing memory foam rubber top mattresses for easy cleaning all proved to be helpful. Dialing in the herd nutrition also made a difference.

In 2016, the farm invested in one DeLaval robot and added a second in 2019. The robots provided flexibility to better manage chores during the growing season, as the Langes do most of their own fieldwork. With the robots, the cows milked more efficiently, and at a higher production than in the parlour.

Identifying the Stressor

After installing the robots, a prolonged power outage led Arnold to notice something peculiar. With the on-farm generator providing power, rather than the local substations, the cows were milking better. "We noticed a difference in yield immediately," Arnold recalls. The source of the stress dissipated and this change in the herd pointed to stray voltage as a primary culprit. Thereafter, the Langes installed a blocker that redirected stray voltage so long as it was running, and the herd perked up quickly.

Information for Better Decision Making

Lange Farms values a complete picture to support their herd management decisions. To keep track of the details, even with their robot data, they rely on Lactanet's milk recording service. "I use the DHI data for benchmarking and comparing my herd to others," says Arnold. "It also gives me BCAs and clear butterfat since I'm not able to get that information from the robot. I sometimes base my culling decisions on fat, BCA and then milk and somatic cell." Arnold and Jonathan also use the data to mark and celebrate success, making special note of production and health trends as the herd responds to management modifications.

Small Details for Big Success

Arnold and his son Jonathan are diligent with management: herd health checks, overall wellness, and a focus on prevention. Maintaining a closed herd helps alleviate issues with communicable diseases and they schedule regular hoof trimmings.

"I set a high bar," Arnold says of his cows, and of his farm. "I like us to be better because I know we can be. Little things make a big difference." The farm is committed to consistency in all areas, knowing that their herd thrives on routine and good habits – as does their family. "They're very sensitive to even the smallest things," Arnold explains. "I'm meticulous because the cows notice if I'm not."

Lange Farms has demonstrated how investing in cow comfort, health, and modern milking equipment, has contributed to a well-deserved Herd Performance Index score, ranking them number one in Manitoba and the fourth best robotic dairy in all of Western Canada.

Ranking:

- #1 in Manitoba
- #4 Robot in Western Canada
- #12 in Western Canada

Herd Size: 70 lactating cows

Barn: Free-stall

Milking System: 2 DeLaval robots

Average Age at 1st Calving: 23.7 months

Calving Interval: 12.8 months

Average SCC: 102

Lactanet Services:

- Milk Recording (Ori-Sampler)
- Management Reports
- Health Testing

(Based on data from Lactanet 2021 Herd Performance Index)

2021 Management Centre Benchmarks *(All western Lactanet herds based on herd averages)*

	BRITISH COLUMBIA				ALBERTA				SASKATCHEWAN				MANITOBA			
MANAGEMENT CENTRE	25th	50th	75th	90th	25th	50th	75th	90th	25th	50th	75th	90th	25th	50th	75th	90th
Number of Cows	84	131	210	353	99	134	188	309	99	139	207	298	75	107	156	334
Standard Milk (kgs)	35.4	38.2	40.9	44.1	35.8	39.5	42.0	44.3	37.0	39.7	42.5	44.7	34.1	38.9	42.4	45.4
Annual Milk Value ($)	7,383	8,014	8,722	9,390	7,112	7,876	8,573	9,113	6,946	7,818	8,526	9,177	6,245	7,728	8,549	9,265
Udder Health (Linear Score)	2.4	2.1	1.8	1.5	2.6	2.3	2.0	1.7	2.4	2.2	1.9	1.7	2.8	2.5	2.1	1.9
Age at 1st Calving (Months)	25.8	24.7	23.8	23.1	26.0	24.8	23.8	23.1	25.6	24.7	23.4	23.1	27.2	25.3	24.5	23.5
Calving Interval (Months)	14.4	13.7	13.2	12.9	14.0	13.3	12.9	12.6	14.4	13.7	13.1	12.9	14.6	13.6	13.1	12.7
% of herd in 3+ Lactation	30.5	34.6	39.2	43.9	30.7	34.9	39.5	42.2	30.1	34.5	39.1	41.2	30.4	35.6	39.6	45.2
Efficiency (% of herd in milk)	85.5	87.2	88.4	90.0	81.9	84.7	87.2	88.5	79.0	82.5	85.4	88.1	79.9	84.6	87.0	88.7
Turnover (% of herd removed)	51.2	42.2	36.0	28.9	44.4	39.0	32.5	25.1	47.7	40.3	34.5	31.0	46.2	37.3	30.7	26.1
Days Dry	71	62	57	52	78	69	61	55	91	78	65	57	92	71	62	56
Days to 1st Breeding	104	92	84	75	98	83	75	69	98	85	79	74	99	86	77	72

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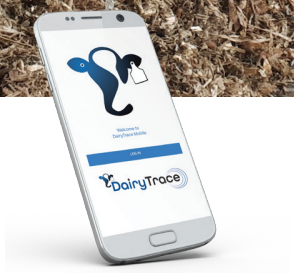

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BRITISH COLUMBIA HERD PERFORMANCE INDEX (HPI)

Rank	Farm Name	Owner	City	Region	Score (HPI)	Herd Size		Breed
1	**West River Farm Ltd**	**Grant & Eugene Sache**	**Rosedale**	**Chilliwack**	**916**	**172**	**R**	**HO**
2	Country Charm Farms Ltd	Chris, Joel & Daniel Huizing	Matsqui	Matsqui	897	296	*	HO
3	UBC Research Center	Nelson Dinn	Agassiz	Agassiz	889	313		HO
4	Hammingview Farms Ltd	Yvonne Murdoch	Pitt Meadows	Pitt Meadows-Maple Ridge	856	105	*	HO
5	Corners Pride Farms Ltd	—	Rosedale	Chilliwack	852	1984	R	HO
6	Fraser Edge	Sid Stoker	Deroche	Dewdney-Deroche	850	176	R	HO
7	Valeside Farms	Aaron Neels	Chilliwack	Chilliwack	848	228	R	HO
8	Marlena Farms Ltd	Fred Vermeer	Dewdney	Dewdney-Deroche	844	400	R	HO
9	Martiann Holsteins Ltd	Martin Hamming	Delta	Delta-Richmond	842	213		HO
10	Kambro Farms Ltd	Doug, Tom & Will Kampman	Abbotsford	Matsqui	838	502	*	HO
11	Prime Acres Limited	John Pruim	Matsqui	Matsqui	837	331	*	HO
12	Lavender Farms Ltd	Gerrit Vaandrager	Abbotsford	Sumas	837	171	R	HO
13	Gordon & Angela Ferguson	—	Enderby	Kamloops-Okanagan	836	127		JE
14	Lloydshaven Holsteins Ltd	Barbara Milley	Courtenay	Courtenay-Comox	832	99	*	HO
15	Willswikk Holsteins	William Wikkerink	Mill Bay	Cowichan	830	63	R	HO
16	Dale Farm	Robert Dale	Mission	Dewdney-Deroche	830	118	R	JE
17	Rosegate Dairy Farms Ltd	Ted De Jong	Abbotsford	Matsqui	828	344	R	HO
18	Trinity Dairies Ltd	R & H Vandalfsen	Enderby	Kamloops-Okanagan	828	214		HO
19	Cliffview Farm Ltd	Henry Bremer	Enderby	Kamloops-Okanagan	822	190		HO
20	Evergraze Holsteins Ltd	Terry Wagner	Armstrong	Kamloops-Okanagan	821	47	R	HO

**3× Milking Per Day or Greater/R: Robotic*

ALBERTA HERD PERFORMANCE INDEX (HPI)

Rank	Farm Name	Owner	City	Region	Score (HPI)	Herd Size	Breed
1	**Hulleman Farms**	**Martijn Hulleman**	**Lacombe**	**Red Deer**	**920**	**114 R**	**HO**
2	Neudorf Colony Farming Co Ltd	Peter Waldner	Crossfield	Calgary	908	110	HO
3	New Mars Dairy Ltd	Henk & Lizette Schrijver	Millet	Red Deer	901	469 *	HO
4	Adventure Holsteins Ltd	—	Rocky Mtn House	Red Deer	900	149	HO
5	Mars Dairy	Gert & Sonja Schrijver	Stettler	Red Deer	898	333 *	HO
6	H & J Leusink Dairy	Harmen Leusink	Picture Butte	Lethbridge/Brooks	895	129	HO
7	Clearlake Colony Farming Co Ltd	Paul Wipf, Manager	Claresholm	Lethbridge/Brooks	891	140	HO
8	Ard Van Der Kooij	—	Nobleford	Lethbridge/Brooks	891	115 R	HO
9	Aspenridge Farms Ltd	Steve & Sherry Tenhove	Lacombe	Red Deer	876	66	HO
10	Houweling Farms Ltd	Pete Houweling	Coaldale	Lethbridge/Brooks	869	402 *	HO
11	Fairville Farming Co Ltd	—	Bassano	Calgary	859	149 R	HO
12	Wilbur Hofstra	—	Millet	Edmonton	855	210 *	HO
13	Earnewald Holsteins-Dejong Bros Ltd	—	Lacombe	Red Deer	855	162	HO
14	Poly-C Farms	Cor & Cathy Haagsma	Ponoka	Red Deer	847	484 *	HO
15	Vanden Dool Farms	Mike Vanden Dool	Picture Butte	Lethbridge/Brooks	846	386 *	HO
16	Nielsen Farms Ltd	—	Lacombe	Red Deer	844	409	HO
17	Huyssoon Dairy	Willem Huijssoon	Ponoka	Red Deer	836	200	HO
18	Stradow Farms Inc	Tom, Craig & Tyce Kootstra	Ponoka	Red Deer	824	180	HO
19	Hylac Holsteins	Ken & Donna Fenske	Ponoka	Red Deer	808	58	HO
20	Pleasant Hill Farms	Henk & Marry Pierik	Ponoka	Red Deer	806	467 *	HO

**3× Milking Per Day or Greater • R: Robotic*

SASKATCHEWAN HERD PERFORMANCE INDEX (HPI)

Rank	Farm Name	Owner	City	Region	Score (HPI)	Herd Size		Breed
1	**Enns Farms Ltd**	**Ryan Enns**	**Osler**	**Saskatoon East**	**868**	**249**	*	**HO**
2	Marfay Farms Ltd	Merlis & Mark Wiebe	Osler	Saskatoon East	851	693	*	HO
3	Rayner Dairy, USask	—	Saskatoon	Saskatoon East	848	133	R	HO
4	Bench Farming Co Ltd	—	Shaunavon	Swift Current	833	90	R	HO
5	Cypress Colony	Darrell Entz	Maple Creek	Swift Current	827	99	R	HO
6	Osler Dairy Farms Ltd	Jeff Kooyman	Chilliwack	Saskatoon East	815	816	*	HO
7	Sierra Colony Farms Ltd	—	Shaunavon	Swift Current	812	146	R	HO
8	Fox Valley Farming Co Ltd	Don Mandel	Fox Valley	Swift Current	805	90		HO
9	Quill Lake Colony	Robert Tschetter	Quill Lake	Saskatoon	802	118		HO
10	Alley Holsteins	Albert Leyenhorst	Dalmeny	Saskatoon East	797	291	*	HO
11	Beechy Colony	George Hofer	Beechy	Saskatoon West	795	186		HO
12	Dinsmore Colony	David Waldner	Dinsmore	Saskatoon West	779	147	R	HO
13	Main Centre Dairy Colony	Andy Hofer	Rush Lake	Swift Current	775	207		HO
14	Eview Farming Company Ltd	—	Gull Lake	Weyburn	751	136		HO
15	Benbie Holsteins	Neil Crosbie	Caron	Regina	728	199	*	HO
16	Vanzessen Dairy Inc	Tymen Vanzessen	Rosthern	Saskatoon East	724	108		HO
17	Spring Creek Farming Co	Paul Hofer	Cypress County	Swift Current	710	86		HO
18	Craila Dairy	Calvin & Diane Vaandrager	Langham	Saskatoon East	699	115		HO
19	Ruben Dyck	—	Hague	Saskatoon East	642	134		HO
20	Vandenbrink Dairy Farms	Henk Van Den Brink	Saskatoon	Saskatoon West	633	258	R	HO

**3× Milking Per Day or Greater • R: Robotic*

MANITOBA HERD PERFORMANCE INDEX (HPI)

Rank	Farm Name	Owner	City	Region	Score (HPI)	Herd Size		Breed
1	**Lange Farms Ltd**	**Arnold & Kim Lange**	**Dufresne**	**Eastern**	**880**	**78**	**R**	**HO**
2	Isaac Dairy Ltd	Brent & Victoria Isaac	Kleefeld	Eastern	848	98	*	HO
3	Rocky Ridge Dairy	Hotze & Pietje Woudstra	Grunthal	Eastern	848	274		HO
4	Rehoboth Farms	—	Grunthal	Eastern	844	215	*	HO
5	Columbine Holsteins	Jacob & Annita Benthem	Elm Creek	Central	836	131	R	HO
6	Fehr Farm	J, A & A Fehr	La Broquerie	Eastern	832	305	R	HO
7	Del Dairy	Jason Breukelman	Elm Creek	Central	830	89		HO
8	Halarda Farms Ltd	Anton & Cheryl Borst	Elm Creek	Eastern	824	1476	R	HO
9	Labass Holsteins Ltd	Jan & Tracy Bassa	La Broquerie	Eastern	816	522	*	HO
10	U of M, Glenlea Research	Jay Bourcier	Winnipeg	Eastern	813	54	R	HO
11	Tri Lea Farm	Richard Boonstoppel	Grunthal	Eastern	805	97	R	HO
12	Grateful Dairy	Inge & Tim Meinen	Landmark	Eastern	801	56	*	HO
13	CD Farms	Cornie Penner	Altona	Central	799	84		HO
14	Sturgeon Creek Colony	Frederick Waldner	Headingley	Interlake	788	73		HO
15	Skyline Dairies Ltd	Dave & Charles Wiens	Grunthal	Eastern	787	282	R	HO
16	Mageo Pouteau Farms Ltd	Chris & Carla Pouteau	Mariapolis	Central	786	81		HO
17	Four Oak Farms	Armin Dueck	Kleefeld	Eastern	786	52	R	BS
18	Candyview Farms	Janssens Family	Kleefeld	Eastern	781	123	R	HO
19	Friecrest Holsteins	Ed & Kathy Friesen	Kleefeld	Eastern	780	95	*	HO
20	Reutter Dairy	Thomas & Saskia Reutter	Grunthal	Eastern	769	452	R	HO

**3× Milking Per Day or Greater • R: Robotic*

LOW SCC HERDS

Lactanet congratulates the following producers for outstanding udder health management resulting in low SCC.

Farm Name	Owner	City	Avg Cows		Avg SCC (× 1000)
British Columbia					
Willswikk Holsteins	**William Wikkerink**	**Mill Bay**	**63**	**R**	**33**
Trinity Holsteins	Paul Schmidt	Mission	61		50
Norvalse Farms	Middelburg & Van Der Veen	Rosedale	105		52
Shenandoah Dairy	—	Armstrong	57		59
Neveridle Farms	Arthur Keulen	Delta	168		64
Lloydshaven Holsteins Ltd	Barbara Milley	Courtenay	99	*	65
Atson Farms Ltd	Allen Atsma	Abbotsford	243		67
Brunoro Farms	Ed Brunoro	Aldergrove	40		69
Viewfield Farms Ltd	Dave Taylor	Courtenay	133		71
Sunnyvale Farm Ltd	Gerald Poelman	Cowichan Bay	46		73
Happy Cow Dairy	Kyle Durrance	Qualicum Beach	95		74
Milky Way Dairy	Frank & Debbie Les	Chilliwack	95		79
Vanderspek Farm Ltd	E & M Vanderspek	Chilliwack	126		82
Chilliwack Cattle, Rosedale	Jeff Kooyman	Chilliwack	119		83
Dinn Farms Ltd	Erin Bell & Martin Dinn	Agassiz	109		83
Kenmarank Farms Ltd	Gary Keis	Abbotsford	176		85
Oroby Holsteins Ltd	J & C Parapini	Dewdney	98	R	86
Kampvale Farms	Harold Van De Kamp	Chilliwack	76		86
Raincoast Dairy	Boris Van Dereyk	Langley	26		86
Elmido Farms	John & Debbie Aarts	Sardis	654	*	87
Alberta					
Sietzema Dairy Ltd	**Sietze Sietzema**	**Olds**	**108**		**46**
Neudorf Colony Farming Co Ltd	Peter Waldner	Crossfield	110		61
Buffalorock Farm Ltd	—	Olds	188		62
Putmans Dairy Ltd	Patrick & Ellen Van Der Meulen	Millet	98		68
Standard Colony Farming Co Ltd	Andy Mandel	Standard	75		71
H & J Leusink Dairy	Harmen Leusink	Picture Butte	129		75
Sylvanside Dairy Ltd	Sipke & Margreet Dijkstra	Ponoka	183		77
Earnewald Holsteins-Dejong Bros Ltd	—	Lacombe	162		77
Whitefisch Dairy Ltd	Beat & Priska Fischer	Rimbey	113		77
Trevor & Trudy Ballard	—	Olds	42		79

**3× Milking Per Day or Greater • R: Robotic*

LOW SCC HERDS CONTINUED

Farm Name	Owner	City	Avg Cows		Avg SCC (× 1000)
Moo-Lait Farms Ltd	—	St Paul	58		80
Spring View Colony Farming Co Ltd	Arnold Wurtz	Gem	144	R	81
Milford Colony Farming Co Ltd	Mike Wipf	Raymond	109		81
GDL Farms Ltd	Gerrit De Leeuw	Picture Butte	125		83
Van Garderen Dairy	Anthony Dirk Van Garderen	Picture Butte	156		86
River Road Farming Co Ltd	Gideon Entz	Milk River	130		87
Greenwood Farming Co Ltd	Don Waldner, Manager	Fort MacLeod	94		90
Wild Rose Colony Farming Co Ltd	Tom Waldner, Manager	Vulcan	137	R	91
Hulleman Farms	Martijn Hulleman	Lacombe	114	R	92
Fairville Farming Co Ltd	—	Bassano	149	R	93
Saskatchewan					
Robella Holsteins	**R, J, K & A Lindenbach**	**Balgonie**	**139**	**R**	**76**
Benbie Holsteins	Neil Crosbie	Caron	199	*	81
Vanzessen Dairy Inc	Tymen Vanzessen	Rosthern	108		91
Smiley Hutterite Colony	Matt Kleinsasser	Smiley	155	R	95
Beechy Colony	George Hofer	Beechy	186		100
Spring Creek Farming Co	Paul Hofer	Cypress County	86		100
Downie Lake Colony	Josh Hofer, Manager	Maple Creek	119		106
Eatonia Farming Company Ltd	Dave Mandel	Eatonia	249		112
Caroncrest Farm Ltd	Blaine McLeod	Caronport	468		114
Rayner Dairy, USask	—	Saskatoon	133	R	116
Manitoba					
Reutter Dairy	**Thomas & Saskia Reutter**	**Grunthal**	**452**	**R**	**79**
Noreydo Farm Ltd	Norbert, Kevin & Ryan Rey	St Claude	116		84
Four Oak Farms	Armin Dueck	Kleefeld	52	R	90
Harda Holsteins	Kirk & Harriette Wile	St Claude	102		94
Halarda Farms Ltd	Anton & Cheryl Borst	Elm Creek	1,476	R	97
Delichte Farms Ltd	Henry Delichte	St Alphonse	91	R	100
Optimist Holsteins	—	Otterburne	143		101
Mageo Pouteau Farms Ltd	Chris & Carla Pouteau	Mariapolis	81		101
Rehoboth Farms	—	Grunthal	215	*	102
Lange Farms Ltd	Arnold & Kim Lange	Dufresne	78	R	102

**3× Milking Per Day or Greater • R: Robotic*

PROVINCIAL STATISTICS

	Calving Interval Months		Dry Period Days		Age at 1st Calving Months		SCC Average	
	2020	**2021**	2020	**2021**	2020	**2021**	2020	**2021**
British Columbia	13.9	**13.9**	69	**67**	25.2	**25.2**	179	**171**
Alberta	13.7	**13.6**	74	**73**	25.3	**25.3**	199	**182**
Saskatchewan	14.0	**13.9**	82	**82**	25.0	**24.8**	192	**176**
Manitoba	14.1	**14.0**	82	**82**	26.1	**26.0**	231	**209**
Ontario	13.7	**13.6**	68	**67**	25.5	**25.3**	207	**202**
Quebec	13.5	**13.4**	65	**64**	25.3	**25.2**	199	**190**
New Brunswick	13.7	**13.5**	67	**65**	26.8	**26.7**	192	**178**
Nova Scotia	13.8	**13.6**	74	**71**	26.1	**26.2**	205	**193**
Prince Edward Island	13.9	**13.7**	75	**71**	26.4	**26.4**	161	**160**
Newfoundland	13.6	**13.4**	68	**68**	25.5	**25.4**	204	**186**

PRODUCTION TRENDS (305 kg)

	British Columbia			Alberta			Saskatchewan			Manitoba		
	Milk	Fat	Protein	Milk	Fat	Protein	Milk	Fat	Protein	Milk	Fat	Protein
2021	**10,474**	**430**	**346**	**10,526**	**426**	**345**	**10,863**	**437**	**360**	**10,526**	**420**	**344**
2020	10,410	427	344	10,410	422	342	10,881	435	360	10,556	416	344
2019	10,366	424	341	10,624	426	344	11,050	439	362	10,373	406	336
2018	10,197	414	332	10,499	415	337	10,977	429	356	10,279	397	330

COMPLETE LACTATIONS (kg)

		2020				**2021**			
		Milk	Fat	Protein	Avg DIM	Milk	Fat	Protein	Avg DIM
British Columbia	All	10,316	425	343	299	**10,227**	**421**	**339**	**291**
	Publishable	10,648	440	353	299	**10,674**	**442**	**353**	**298**
	Management	9,921	408	331	298	**9,535**	**387**	**318**	**281**
Alberta	All	10,093	412	333	289	**10,508**	**432**	**349**	**298**
	Publishable	10,617	433	350	295	**10,719**	**441**	**356**	**298**
	Management	9,180	376	304	278	**10,073**	**413**	**335**	**297**
Saskatchewan	All	11,054	449	369	307	**10,822**	**442**	**362**	**299**
	Publishable	11,179	455	374	311	**10,849**	**443**	**364**	**301**
	Management	10,707	433	354	296	**10,746**	**439**	**358**	**293**
Manitoba	All	10,557	424	347	300	**10,764**	**435**	**355**	**304**
	Publishable	10,702	425	352	297	**10,952**	**436**	**361**	**301**
	Management	10,343	422	340	304	**10,485**	**435**	**345**	**310**

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REGIONAL STATISTICS

Region	Herds	305 kg			BCA			Composite BCA			
		Milk	Fat	Protein	Milk	Fat	Protein	2018	2019	2020	**2021**
British Columbia	235	10,474	430	346	244	261	249	240.4	245.9	248.4	**251.4**
Agassiz	19	10,457	431	345	247	264	252	237.1	241.1	245.6	**254.4**
Central BC	7	8,267	342	272	183	200	188	195.9	204.0	198.0	**190.4**
Chilliwack	44	10,747	443	356	251	270	257	248.8	253.2	254.4	**259.0**
Courtenay-Comox	4	9,498	402	316	226	251	234	236.8	226.7	235.7	**236.6**
Cowichan	21	10,429	446	341	236	267	241	237.6	249.9	251.3	**248.0**
Delta-Richmond	12	10,532	427	348	242	259	249	239.7	245.9	248.2	**249.8**
Dewdney-Deroche	20	10,628	433	356	261	267	266	253.9	256.2	260.5	**264.7**
Kamloops-Okanagan	45	10,638	433	353	247	261	253	243.3	244.7	246.6	**253.6**
Kootenay	1	10,960	433	361	250	266	258	214.3	249.8	254.3	**258.0**
Matsqui	10	11,629	483	386	266	294	275	244.5	263.7	272.9	**278.1**
Pitt Meadows-Maple Ridge	7	10,332	446	342	255	268	255	243.4	244.7	253.2	**259.2**
Sumas	27	10,433	427	340	241	261	245	238.7	245.3	248.3	**249.0**
Surrey-Langley	18	9,784	385	320	223	231	227	224.7	232.4	230.4	**227.2**
Alberta	308	10,526	426	345	238	257	244	242.0	246.3	244.2	**246.0**
Calgary	38	10,291	417	339	233	251	240	240.9	243.6	242.8	**241.4**
Edmonton	57	10,143	407	333	228	243	234	228.7	231.9	230.0	**235.0**
Lethbridge/Brooks	105	10,762	431	348	242	260	246	246.5	249.0	249.7	**249.6**
Peace River	2	10,454	428	336	236	261	239	249.8	248.5	242.3	**245.0**
Red Deer	98	10,626	437	351	240	263	249	246.0	253.9	247.7	**250.6**
Vermilion	8	10,050	409	334	234	253	244	235.8	243.3	243.7	**243.5**
Saskatchewan	79	10,863	437	360	245	265	255	251.3	255.9	253.6	**255.0**
Canora	1	10,424	394	351	245	246	257	242.0	245.7	236.0	**249.3**
Prince Albert/Melfort	2	10,900	433	363	243	260	254	217.8	222.3	240.8	**252.0**
Regina	13	11,169	440	364	250	265	256	252.5	262.4	257.3	**256.9**
Saskatoon	10	10,514	434	353	246	265	256	248.3	250.9	253.3	**255.7**
Saskatoon East	19	10,747	436	354	241	262	249	258.2	253.5	251.8	**250.4**
Saskatoon West	12	10,588	426	354	239	259	251	250.0	259.6	247.3	**249.8**
Swift Current	17	11,282	452	377	256	276	268	253.5	262.4	261.3	**266.7**
Weyburn	5	10,511	424	347	231	252	241	243.2	249.9	247.9	**241.3**
Manitoba	144	10,526	420	344	240	253	244	234.1	238.1	243.6	**245.7**
Central	43	10,753	421	351	242	252	247	238.0	241.5	245.5	**247.2**
Eastern	66	10,475	420	343	240	256	246	234.0	238.0	243.5	**247.2**
Interlake	25	10,665	425	344	237	254	241	228.7	236.1	243.4	**244.0**
South West	10	9,547	399	321	231	236	235	230.2	230.0	236.4	**234.0**

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DEMOGRAPHICS

	Herd Size				Housing		Frequency		Robotic
	0-49	50-99	100-199	200+	Tie Stall	Free Stall	2×	3×	
British Columbia									
Number of Herds	18	64	87	66	8	226	153	23	59
Percent of Herds	7.7	27.2	37.0	28.1	3.4	96.2	65.1	9.8	25.1
Percent of Cows	1.4	10.3	26.6	61.7	0.8	98.8	55.5	23.5	21
Herd Size*	35.9	75.4	143.7	439.0	47.4	205.3	170.3	479.2	167.3
305 Milk*	9,340	10,036	10,710	10,898	8,496	10,542	9,949	11,724	11,350
305 Fat*	398	415	440	441	362	433	412	478	458
305 Protein*	315	334	353	356	289	348	330	380	373
BCA Milk	227	238	249	247	213	245	233	268	262
BCA Fat	240	252	268	268	215	263	250	290	278
BCA Protein	232	243	254	253	215	251	239	271	268
SCC*	151	181	168	179	230	171	167	170	192
Alberta									
Number of Herds	8	72	164	64	17	290	221	28	59
Percent of Herds	2.6	23.4	53.2	20.8	5.5	94.2	71.8	9.1	19.2
Percent of Cows	0.7	11.3	45.8	42.3	2.8	97	65.1	18	16.9
Herd Size*	41.9	79.4	141.5	335.2	83.7	169.7	149.4	326.7	145
305 Milk*	8,865	10,268	10,584	10,874	9,690	10,578	10,226	11,881	11,006
305 Fat*	348	410	431	442	386	428	420	482	423
305 Protein*	294	332	348	359	318	347	337	385	356
BCA Milk	205	231	239	245	218	239	231	267	248
BCA Fat	208	246	260	267	230	258	253	291	254
BCA Protein	211	234	246	254	223	245	238	272	251
SCC*	178	190	176	193	199	181	180	174	197

**Average*

DEMOGRAPHICS

	Herd Size				Housing		Frequency		Robotic
	0-49	50-99	100-199	200+	Tie Stall	Free Stall	2×	3×	
Saskatchewan									
Number of Herds	3	16	36	24	8	71	48	12	19
Percent of Herds	3.8	20.3	45.6	30.4	10.1	89.9	60.8	15.2	24.1
Percent of Cows	0.6	8.7	32.8	57.9	5	95	47.4	35.3	17.4
Herd Size*	29.0	85.8	143.0	379.5	98.3	210.3	155.1	461.8	143.7
305 Milk*	9,479	10,877	10,978	10,854	10,656	10,886	10,415	11,622	11,516
305 Fat*	361	436	440	443	436	437	424	476	444
305 Protein*	309	363	364	361	355	361	347	381	383
BCA Milk	213	251	245	246	248	245	235	262	260
BCA Fat	219	266	265	270	264	265	257	288	270
BCA Protein	219	261	255	256	255	255	245	269	271
SCC*	106	175	177	186	139	181	178	171	177
Manitoba									
Number of Herds	7	56	52	29	31	111	75	18	51
Percent of Herds	4.9	38.9	36.1	20.1	21.5	77.1	52.1	12.5	35.4
Percent of Cows	1.0	15.5	25.3	58.2	10	89.3	38.5	28.5	33
Herd Size*	37.6	74.9	131.6	541.7	87.4	217.3	138.6	427.3	174.9
305 Milk*	9,028	10,665	10,479	10,706	10,490	10,526	9,849	11,597	11,144
305 Fat*	367	421	418	434	415	421	401	465	432
305 Protein*	299	348	343	351	342	345	324	371	365
BCA Milk	208	242	238	246	235	241	225	262	254
BCA Fat	217	253	251	266	247	254	240	282	261
BCA Protein	211	246	243	252	240	246	230	263	259
SCC*	192	193	233	203	209	210	214	204	204

**Average*

DISPOSAL REASONS

Reason	British Columbia		Alberta		Saskatchewan		Manitoba	
Reproductive	2,421	25%	2,531	24%	858	27%	1,149	21%
Low Milk Production	1,421	15%	2,045	19%	435	14%	1,131	21%
Mastitis and/or High SCC	1,755	18%	1,608	15%	420	13%	1,133	21%
Feet & Leg Problems	1,428	15%	1,296	12%	299	9%	586	11%
Udder Breakdown	896	9%	1,224	11%	364	11%	600	11%
Sickness	597	6%	828	8%	417	13%	399	7%
Injury/Accident	562	6%	463	4%	216	7%	251	5%
Old Age	336	3%	365	3%	104	3%	156	3%
Bad Temperament	179	2%	179	2%	41	1%	107	2%
Exported	83	1%	174	2%	33	1%	5	0%

DISTRIBUTION (ALL)

Cows	Herds
0-19	3
20-29	4
30-39	9
40-49	20
50-59	29
60-69	38
70-79	45
80-89	40
90-99	56
100-109	49
110-119	52
120-129	35
130-139	45
140-149	36
150-159	32
160-169	27
170-179	22
180-189	20
190-199	21
200+	183

ENROLLMENT — ALL WESTERN PROVINCES

	British Columbia	Alberta	Saskatchewan	Manitoba	2018	2019	2020	2021
Lactanet Herds	235	308	79	144	918	851	808	**766**
Percent Publishable %	78	63	71	71	68	69	68	**70**
Percent Management %	22	37	29	29	32	31	32	**30**
Lactanet Cows	46,952	50,712	15,716	27,009	161,442	153,763	145,500	**140,389**
Percent Publishable %	61	68	77	66	62	63	64	**67**
Percent Management %	39	32	23	34	38	37	36	**33**
Average Herd Size	200	165	199	188	176	181	180	**183**

PUBLISHABLE HERD LISTING CRITERIA

The rank listings of our highest production herds on Publishable milk recording programs are based on the Annual Summary reports generated for each herd enrolled with Lactanet.

This report is a detailed summary of production and BCA for milk, butterfat, and protein for eligible records that reached 305 days in milk, or terminated at or before 305 days in milk, between January 1 and December 31. The following were used in the development of our listings:

Enrolment: Records must be completed under a Publishable Service Plan.

Number of records: Herds with at least 10 records are included.

Percentage of publishable records: In order for a herd to be included in the listing, 50% or more of the total records contributing to the herd's average must be Publishable.

Ties: In the event of a tie in average composite BCA, the tie is broken in the following sequence: most records, highest herd protein BCA.

Breed codes: Single letters have been used to denote breed: (A) Ayrshire; (H) Holstein; (B) Brown Swiss; (J) Jersey; (G) Guernsey; (M) Milking Shorthorn

Multi-breed: Herds with averages based on more than one breed are indicated by multiple breed codes at the end of the record. These codes are listed in order of breed predominance within the herd (highest to lowest).

Production on a provincial basis is summarized annually, not only as a service to herd owners, but also to plot progress of production levels on a province, breed and service basis. Many counties/districts use the ranked information to calculate production awards in recognition of dairy producer achievements in their local area.

BRITISH COLUMBIA PUBLISHABLE HERD LISTINGS

Farm	Owner	City	BCA				Records	305 M		Fat		Protein		Breed
			Avg	M	F	P				kg	%	kg	%	
Triwest Farms	**Vic & Terry Triemstra**	**Chilliwack**	**337.7**	**321**	**368**	**324**	**122**	**14,231**	*****	**605**	**4.3**	**458**	**3.2**	**H**
Gifford Acres Farm Ltd	—	Abbotsford	318.7	312	328	316	77	13,450	R	532	4.0	437	3.2	H,J
Tonesa Holsteins Ltd	Glenn De Groot	Chilliwack	318.3	302	339	314	136	13,008		544	4.2	431	3.3	H
Peterson Farms	Gordon & Ruby Peterson	Agassiz	313.7	305	330	306	54	13,562	R	544	4.0	434	3.2	H
Hammingview Farms Ltd	Yvonne Murdoch	Pitt Meadows	312.3	298	342	297	88	13,418	*	572	4.3	426	3.2	H
West River Farm Ltd	Grant & Eugene Sache	Rosedale	312.0	295	334	307	148	13,340	R	560	4.2	442	3.3	H
Dale Farm	Robert Dale	Mission	311.3	320	293	321	103	9,456	R	469	5.0	359	3.8	J
Wisselview Farms	Wayne & Judy Wisselink	Pitt Meadows	308.0	300	321	303	171	13,592	*	540	4.0	437	3.2	H
Wallyann Holsteins	Edwin Crandlemire	Grindrod	308.0	286	345	293	116	12,960		580	4.5	422	3.3	H
Lavender Farms Ltd	Vaandrager	Abbotsford	306.0	292	325	301	135	12,857	R	532	4.1	423	3.3	H
Valedoorn Farms Inc	Tom & John Hoogendorn	Agassiz	305.3	292	329	295	319	12,791	*	534	4.2	412	3.2	H
Willswikk Holsteins	William Wikkerink	Mill Bay	303.3	286	332	292	52	13,112	R	564	4.3	427	3.3	H
Summershade Farms Ltd	Bill Van Reeuwyk	Abbotsford	300.3	292	300	309	160	12,737		486	3.8	430	3.4	H
Trinity Holsteins	Paul Schmidt	Mission	300.0	287	314	299	47	11,937		487	4.1	399	3.3	H,J,B
Fraser Edge	Sid Stoker	Deroche	299.7	292	311	296	151	13,164	R	517	3.9	424	3.2	H
Marlena Farms Ltd	Fred Vermeer	Dewdney	296.7	294	304	292	343	12,836	R	492	3.8	406	3.2	H
Westar Holsteins	Robert Matzek	Rosedale	296.0	274	331	283	81	12,369	R	554	4.5	407	3.3	H
Evergraze Holsteins Ltd	Terry Wagner	Armstrong	295.7	284	313	290	35	13,176	R	540	4.1	426	3.2	H
Nicomen Farms Ltd	John Kerkhoven	Deroche	295.3	301	279	306	98	12,905		460	3.6	424	3.3	H,J
Shadow Ridge Dairy	Kevin Mammel	Chilliwack	294.7	287	306	291	138	12,356	*	491	4.0	399	3.2	H

**3× Milking Per Day or Greater • R: Robotic*

ALBERTA PUBLISHABLE HERD LISTINGS

Farm	Owner	City	BCA				Records	305 M		Fat		Protein		Breed
			Avg	M	F	P				kg	%	kg	%	
Cawithca Dairy	**R & K Veldkamp**	**Fenn**	**322.0**	**295**	**356**	**315**	**54**	**13,338**	*****	**596**	**4.5**	**454**	**3.4**	**H**
De Wildt Dairy Ltd	Kees De Wildt	Barrhead	321.3	297	359	308	89	12,671		568	4.5	419	3.3	H
Ard Van Der Kooij	—	Nobleford	319.0	303	339	315	104	13,839	R	575	4.2	457	3.3	H
Chubanna Holsteins	—	Lacombe	311.7	295	330	310	101	13,247	R	554	4.2	445	3.4	H
New Mars Dairy Ltd	Henk & Lizette Schrijver	Millet	306.0	293	324	301	371	13,401	*	553	4.1	439	3.3	H
Buit Dairies Ltd	Russ & Judi Buit	Bentley	305.0	299	309	307	73	13,134	R	504	3.8	429	3.3	H
Thornspyc Dairy	Wim Van De Brake	Lacombe	303.3	294	319	297	152	12,818	*	521	4.1	413	3.2	H,J
Aspenridge Farms Ltd	Steve & Sherry Tenhove	Lacombe	303.0	280	337	292	63	12,606		558	4.4	416	3.3	H
W & R Rommens Dairies Ltd	—	Duchess	302.3	290	320	297	188	12,559		514	4.1	410	3.3	H
Sunshine Colony Farming Ltd	Paul Walter	Hussar	300.3	290	308	303	55	12,677	R	498	3.9	423	3.3	H
Vanden Dool Farms	Mike Vanden Dool	Picture Butte	299.3	290	315	293	349	12,824	*	519	4.0	412	3.2	H
New Rockport Colony	Simon Waldner	New Dayton	299.3	283	319	296	101	12,347		513	4.2	410	3.3	H
Mars Dairy	Gert & Sonja Schrijver	Stettler	295.3	285	312	289	298	12,963	*	527	4.1	418	3.2	H
Breevliet Ltd	De Goeij	Wetaskiwin	294.7	280	310	294	474	12,348	*	508	4.1	414	3.4	H
Brilman Dairy	James Brilman	Iron Springs	294.7	287	305	292	75	13,060	R	513	3.9	421	3.2	H
Royal Hill Farm	—	Lacombe	294.0	282	306	294	221	12,215	*	493	4.0	406	3.3	H
El-Shaddai Dairies Inc	Geoff & Dieter Volkman	Leduc County	293.0	284	302	293	106	12,356		486	3.9	406	3.3	H
Nielsen Farms Ltd	—	Lacombe	292.7	283	299	296	384	12,181		477	3.9	406	3.3	H
Wilbur Hofstra	—	Millet	292.3	284	309	284	177	12,396	*	502	4.0	395	3.2	H,B
Houweling Farms Ltd	Pete Houweling	Coaldale	291.7	274	327	274	357	12,010	*	533	4.4	381	3.2	H

**3× Milking Per Day or Greater • R: Robotic*

SASKATCHEWAN PUBLISHABLE HERD LISTINGS

Farm	Owner	City	BCA				Records	305 M			Fat		Protein		Breed
			Avg	M	F	P					kg	%	kg	%	
Sierra Colony Farms Ltd	**—**	**Shaunavon**	**306.0**	**295**	**310**	**313**	**112**	**12,853**	**R**		**503**	**3.9**	**436**	**3.4**	**H**
Pennant Colony	Dan Wipf	Pennant	298.7	284	311	301	94	12,315	R		501	4.1	417	3.4	H
Osler Dairy Farms Ltd	Jeff Kooyman	Chilliwack	297.3	288	307	297	726	12,535	*		501	4.0	413	3.3	H,J
Alley Holsteins	Albert Leyenhorst	Dalmeny	285.0	280	291	284	251	12,799	*		495	3.9	413	3.2	H
U of SK, Rayner Dairy	—	Saskatoon	281.3	275	295	274	111	12,088	R		479	4.0	385	3.2	H
Vandenbrink Dairy Farms	Henk Van Den Brink	Saskatoon	281.0	272	291	280	205	12,228	R		486	4.0	402	3.3	H
Craila Dairy	Calvin & Diane Vaandrager	Langham	281.0	269	291	283	95	11,971			482	4.0	403	3.4	H,J
Benbie Holsteins	Neil Crosbie	Caron	280.7	265	303	274	155	12,075	*		513	4.2	397	3.3	H,J
Quill Lake Colony	Robert Tschetter	Quill Lake	280.7	266	297	279	105	11,956			493	4.1	399	3.3	H
Star City Colony	Ruben Tschetter	Star City	279.7	269	285	285	170	11,644	R		455	3.9	394	3.4	H
Riverview Colony	—	Saskatoon	278.7	269	285	282	106	12,179	R		479	3.9	406	3.3	H
Broyhill Holsteins	Lindenbach	Balgonie	274.3	271	279	273	127	12,305	R		469	3.8	394	3.2	H
Marfay Farms Ltd	Merlis & Mark Wiebe	Osler	273.7	256	293	272	584	11,243	*		478	4.3	380	3.4	H
Main Centre Dairy Colony	Andy Hofer	Rush Lake	273.3	257	286	277	189	11,369			468	4.1	389	3.4	H
Ell's Dairy Farm Ltd	Gordie Ell	Kronau	270.3	257	285	269	162	11,411			470	4.1	381	3.3	H
Robella Holsteins	Lindenbach	Balgonie	269.7	269	272	268	104	11,760	R		443	3.8	374	3.2	H,J
Hyljon Holsteins	John & Susan Hylkema	Hague	268.7	257	287	262	561	11,109	*		463	4.2	363	3.3	H
Balgonie Holsteins	Mike & Alfred Stiefel	Balgonie	265.7	260	267	270	157	11,456			435	3.8	379	3.3	H
Dalvoorde Dairies Ltd	Jason Wildeboer	Warman	264.7	256	278	260	184	11,572	*		467	4.0	373	3.2	H
Ruben Dyck	—	Hague	264.0	250	283	259	113	10,353			457	4.4	352	3.4	H,J

3× Milking Per Day or Greater • R: Robotic

MANITOBA PUBLISHABLE HERD LISTINGS

Farm	Owner	City	BCA				Records	305 M			Fat		Protein		Breed
			Avg	M	F	P					kg	%	kg	%	
Grateful Dairy	**Inge & Tim Meinen**	**Landmark**	**345.7**	**338**	**354**	**345**	**47**	**14,911**	*****		**578**	**3.9**	**485**	**3.3**	**H**
Hueging Dairies	Hermann & Curtis Hueging	Woodlands	322.3	317	339	311	105	14,322	*		566	4.0	445	3.1	H
Tri Lea Farm	Richard Boonstoppel	Grunthal	318.7	311	328	317	88	13,430	R		532	4.0	437	3.3	H,J
Current Holsteins	Hueging & Pylypjuk	Woodlands	313.7	298	338	305	81	13,613			569	4.2	441	3.2	H
Holmestead Dairy	Russ & Crystal Holme	Anola	313.3	311	318	311	112	13,821	R		524	3.8	440	3.2	H
Sturgeon Creek Colony	Frederick Waldner	Headingley	313.3	312	334	294	61	14,039			558	4.0	421	3.0	H
Plemark Holsteins	Matt & Tanya Plett	Blumenort	308.7	303	333	290	72	13,456	*		553	4.1	413	3.1	H,J
Isaac Dairy Ltd	Brent & Victoria Isaac	Kleefeld	307.3	298	336	288	91	13,131	*		546	4.2	403	3.1	H
Mason Farms Ltd	Darcy & Lanna Mason	Oak Point	302.3	296	306	305	58	13,317	R		510	3.8	436	3.3	H
U of MB, Glenlea Research	Jay Bourcier	Winnipeg	301.0	295	301	307	45	12,458	R		473	3.8	413	3.3	H
Fehr Farm	Jakob, Ana & Andreas Fehr	La Broquerie	296.7	281	314	295	258	12,569	R		521	4.1	420	3.3	H
Readore Farms	Rheal Simon	Notre Dame	296.0	286	313	289	103	12,474			506	4.1	401	3.2	H
Lifewind Holsteins	Christophe Roulin	Stonewall	290.3	299	268	304	139	13,434	R		448	3.3	434	3.2	H
Dueck Holsteins	Jeremy Dueck	St Anne	288.3	283	297	285	49	12,179	R		474	3.9	391	3.2	H
Reutter Dairy	Thomas & Saskia Reutter	Grunthal	288.0	289	280	295	334	12,571	R		453	3.6	410	3.3	H
Mageo Pouteau Farms Ltd	Chris & Carla Pouteau	Mariapolis	288.0	279	299	286	65	12,644			500	4.0	411	3.3	H
Friecrest Holsteins	Ed & Kathy Friesen	Kleefeld	287.3	273	309	280	83	12,030	*		505	4.2	392	3.3	H
Muller Farms	Richard & Paul Muller	Notre Dame	285.3	291	282	283	115	12,941	R		466	3.6	401	3.1	H
Fijala Dairy	Owen Fijala	Manitou	285.0	279	298	278	42	12,501	R		495	4.0	396	3.2	H
Columbine Holsteins	Jacob & Annita Benthem	Elm Creek	284.0	265	311	276	111	12,004	R		524	4.4	398	3.3	H

3× Milking Per Day or Greater • R: Robotic

2021-2022: LACTANET AT A GLANCE
INVESTING IN DAIRY, INVESTING IN YOU

EXPANSION OF SERVICES

UDDER HEALTH REPORT
Selective Dry Cow Therapy (sDCT) is a growing practice with 50% of the herds in Canada being good candidates. The first step for a proactive sustainable approach to dry-off is to identify eligible animals. Using test day SCC results, our Udder Health report provides data to reduce antimicrobial resistance, control mastitis, and support producers and veterinarians in implementing sDCT. The report is available at no charge to Lactanet customers.

ROBOT REPORTS
More than 900 of our customers have robotic systems milking more than 19% of the milk recorded cows in the country. With nearly three barn conversions to robots per week, we offer the Robot Production and Efficiency Report at the herd level. An additional report will be released in the future for individual cows. Both reports measure efficiencies beyond typical robot data and are great for benchmarking to get the most out of your investment.

HERD SUSTAINABILITY REPORT
Imagine having insight where you could make better herd management decisions and reach for greater success and work-life balance. By integrating herd data and benchmark information, our Herd Sustainability report, launched earlier this year*, brings together indicators that help dairy farmers evaluate on-farm practices, animal health and welfare, and ruminomics, to develop meaningful goals that are right for their operation. *(*available in select provinces)*

TECHNOLOGY

ONE-STOP-SHOP
To serve dairy producers better, in June 2021 Lactanet rolled three partner websites into a one-stop-shop.

Enhancements to our popular mobile app are currently in beta testing for additional functionality and a better user experience.

MYSITE & DYNAMIC DASHBOARD
To help your herd reach its full potential, all Lactanet customers now have access to MySite, our secure portal that hosts producer data, internet reports, and a Dynamic Herd Dashboard where you can watch your herd data come alive.

EDHI
As automated milking systems and the use of integrated sensors and technologies continues to grow, our eDHI service is ideal for farms that do not wish to participate in the collection of milk samples - yet want to enjoy the benefits that milk recording has to offer.

GENETICS

FEED EFFICIENCY EVALUATIONS
Lactanet's new Feed Efficiency (FE) Evaluation speaks to sustainability and was developed to improve profit margins and reduce your carbon footprint. FEs are available for all sires and female animals in herds enrolled on milk recording and can also be purchased by herd owners who do not participate in Lactanet's milk-recording services for Holstein heifers and cows.

GENOMIC VISUALIZATION TOOL
Genotyping allows us to be more confident with genetic evaluations and breeding decisions. In response to a submitted resolution in spring 2021, a new Genomic Visualization Tool was created to provide a visual representation of how your heifer's genetic evaluation has changed after genotyping to benefit selection.

A2 PROBABILITY REPORT
What is A2? How do I know if my cows have the A2 gene? Testing for the A2 genotype is gaining interest and our new A2 Probability Report is now available. Reports will be hosted on customer MySite accounts for all registered females in the Lactanet herd inventory.

SUPPORT

ON-LINE LEARNING
From DairyComp software webinars to sustainability workshops, to-date thousands of dairy producers have participated in our on-line learning programs in 2021-22. All you need is an internet connection! Impressive attendance and engagement tells us that the dairy community is hungry for knowledge, connection, solutions, ideas, and strategies to support a high performing herd.

THE SYNERGY OF ALLIANCES
By connecting and integrating data sources, we can alleviate the burden of duplication, mundane data entry, manual reporting, and paperwork within the livestock industry. As a farmer-run organization, Lactanet represents the voice of dairy producers within the International Dairy Data Exchange Network (iDDEN) to transform practices, technical systems and information flow to ensure that herd decision-making tools make sense and shape the future of dairy.

PROACTION® ASSISTANCE
Whether it be on-farm validation or animal traceability, Lactanet works collectively to support the dairy community to protect farmers, dairy herds, consumers, and the Canadian dairy industry at large.

Our knowledgeable staff can help simplify your proAction® experience and build prosperity and peace of mind for a better bottom line.

Boehringer Ingelheim

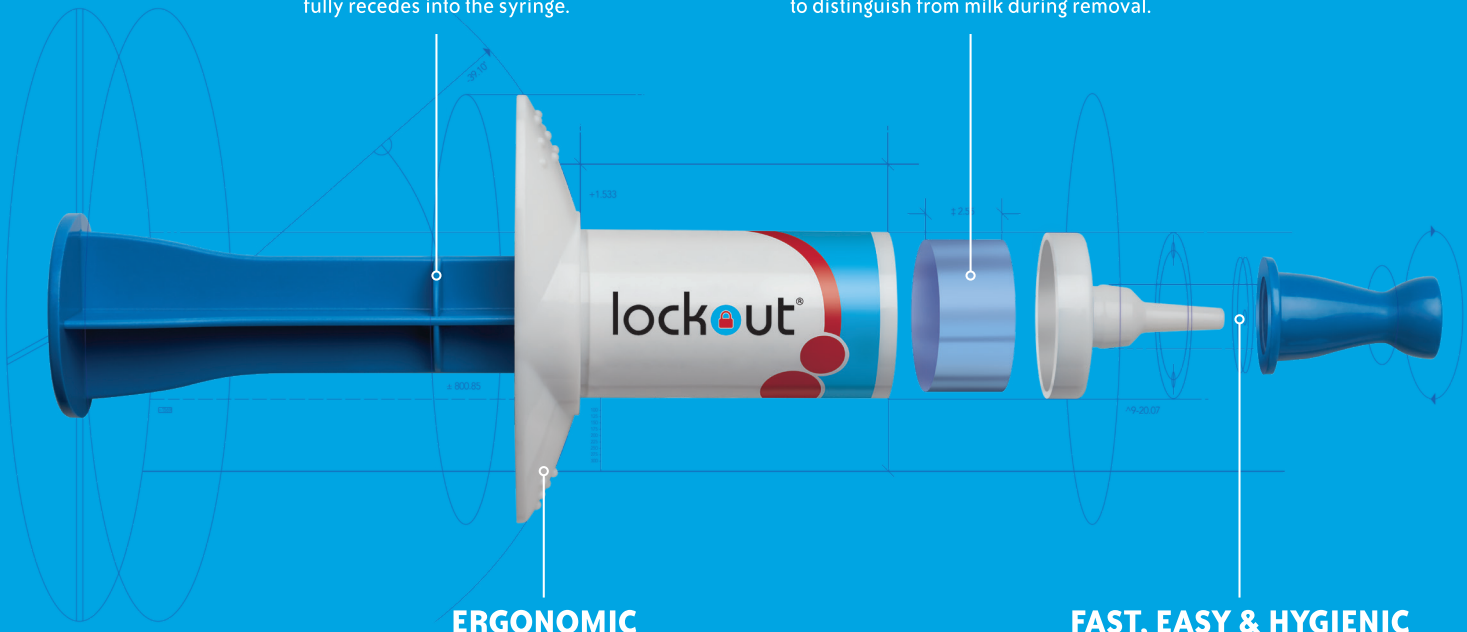
THE BETTER ENGINEERED TEAT SEALANT.

APPLICATION INDICATOR

Rest assured that a full dose has been administered when our application indicator fully recedes into the syringe.

VISIBLE BLUE PASTE

Lockout® is the first non-antibiotic internal teat sealant to feature a visible blue paste that's easy to distinguish from milk during removal.



ERGONOMIC DESIGN

Lockout® maximizes efficiency while minimizing hand discomfort with the syringe's larger thumb pad, widened wings, and compact size.

FAST, EASY & HYGIENIC APPLICATION

Lockout® comes in single-dose syringes with an easy-to-remove cap, and short tip designed for hygienic insertion.

Now you can protect your herd with a better engineered teat sealant. Lockout® provides a sterile, antibiotic-free barrier that simulates the keratin plug to prevent pathogens from invading the udder through the teat end. Lockout® provides more convenience and comfort, thanks to its compact size, ergonomic design and blue paste you can actually see.

Find out more at www.mastitis.ca/lockout

lockout®

Lactanet

CANADIAN NETWORK FOR DAIRY EXCELLENCE