Lactanet

2023

PROGRESS REPORT
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Lactanet
CANADIAN NETWORK FOR DAIRY EXCELLENCE

ATLANTIC CANADA 2023 PROGRESS REPORT

INTRODUCTION

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Adapting to Changing Needs

When reviewing Lactanet's list of achievements over the past five years, I was very pleased with the progress of our partnership and the opportunities it presents for dairy producers. Although herd sizes, milking systems and management styles vary from farm to farm, the industry is constantly shifting and the need for reliable accurate information has become more and more important. This is certainly clear from the significant growth in our robot segment over the past half decade with investments in on-farm technologies.

During our first five years, there is no doubt that our industry and our new organization has had to face challenges. The pandemic, inflation, rising interest rates, and a struggling economy — just to name a few! With greater capabilities and resources, the evolution of our partnership has improved how we respond and what we can provide to dairy producers.

As we move ahead and introduce new tools, modify our services, tweak software products, and offer new training options, we know we are only in the first inning of executing our mission. Adapting to changing demographics and connecting with automated systems, sensors, and apps will be critical for the future.

For the past four decades, I have had the privilege of being part of the dairy herd improvement sector and feel honoured to have visited and worked with many farms and customers across the country. Our dedicated Board helps us understand on-farm demands, and how producers adapt to new ideas, tools, and technology. And our talented Lactanet team in the field, labs, and offices, has the expertise to meet your changing business needs.

For anyone reading our Progress Reports, please know that we are passionate about the dairy industry and the success of our customers. We are proud to support you with innovative products and are determined to see how we can help to meet your personal herd goals. For Lactanet, our future success is to be relevant to our industry and about providing you with herd management decision tools and services that save you time and make you money.

On behalf of our entire organization, I would like to congratulate Francis and Sylvain Drapeau of Ferme Drahoka Inc. who took the number one spot as Canada's Best Managed Dairy Herd for 2023. With a Herd Performance Index of 988, this is an exceptional score that we can all aspire to!

Sincerely,

Neil Petreny
CEO, Lactanet Canada

Together Forward

A snapshot of key milestones since inception of our partnership.

2019

JUNE — Lactanet Canada
CanWest DHI, Valacta and Canadian Dairy Network (CDN) form Lactanet partnership

NOVEMBER — Compass
Released Compass tool in collaboration with Holstein Canada

NOVEMBER — PROFILab
Launched PROFILab bulk tank milk fatty acid profile analysis in Quebec

DECEMBER — eDHI
Introduced eDHI to capture milk data electronically from automated on-farm systems

✓ *Sustainability tools & support*

2020

FEBRUARY — Herd Performance Index (HPI)
Celebrated 1st national Best Managed Dairy Herds event showcasing Canada's HPI

FEBRUARY — Udder Health ✓
Released Udder Health Report to help with antimicrobial resistance, mastitis prevention, and Selective Dry Cow Therapy practices

APRIL — Pandemic
Adapted service safety protocols in response to Covid-19

MAY — 25th Anniversay
Commemorated 25 years of genetic progress with CDN

SEPTEMBER — Training ✓
1000+ participants attended Master Your Feed Margin webinar

OCTOBER — DairyTrace
Launched DairyTrace dairy cattle traceability program as the national administrator in Canada

NOVEMBER — iDDEN
Established the International Dairy Data Exchange Network in collaboration with 6 international dairy organizations

2021

MARCH — LactanetResolutions.ca
Launched national Resolutions program

APRIL — Feed Efficiency ✓
Released Feed Efficiency genetic evaluations to help ensure cows are making the most of their feed

MAY — Lactanet.ca
Unveiled Lactanet unified website

MAY — MySite
Introduced the Dynamic Dashboard on MySite for at-a-glance herd insight

SEPTEMBER — Knowledge Sharing ✓
Expanded online training to include milk fat profitability, sustainability, forage, and feeding at the robot

OCTOBER — proAction
Partnered with DFO to provide proAction validation services in Ontario

NOV. — Mobile App
Enhancements to the Lactanet mobile app

DECEMBER — Genomics Impact
Launched the Genomics Impact tool for a visual representation of the impact of genomic testing

Commemorating Five Years Together

Five years ago, CanWest DHI, the Canadian Dairy Network, and Valacta, came together to form Lactanet, a first-of-kind organization in Canada. While combining the strengths of our three organizations and a commitment to our unified mission, the partnership has brought experience, collective capabilities, and operational efficiencies to the table.

As we celebrate this milestone, it's important to remember what drove our ambition to collaborate. Years before the partnership was official, we had the shared interest to drive innovation, modify operations and enhance the producer experience across the country. We were eager to establish an organization that was bold and different, yet continued to positively impact the industry and support progressive dairy herds.

We often hear that it is the next generation that often drives change and efficiency. To truly stand the test of time and pay it forward to future generations, we must continue to adapt to their changing needs and investment in technologies, so it's heartening to know we have a strong team at Lactanet to meet this challenge. Lactanet still belongs to dairy producers and my experience has taught me that we are simply better together.

Where will Lactanet be in 10 years? I believe we will be the most trusted source in the dairy space — at home and abroad. We are primarily guided by our Board of Directors (dairy producers), and our people are the best in the business. This is our formula for success and why our 5-year timeline is impressive. As we move ahead, we cannot reach our goals alone. Lactanet will continue to collaborate and cultivate relationships within our industry and sustainability will be an important part of the conversation — as it's simply good for business.

Lastly, thank you to everyone who has worked relentlessly to make the partnership what it is today and to all dairy producers for having confidence in our vision and being part of our journey. I would also like to acknowledge outgoing directors Matthew Flaman (SK), Ed Friesen (MB) and Harm Kelly (ON) as well as extend a warm welcome to new directors Wim Van de Brake (AB), John Wynands (ON) and Michel Robert (QC), who have joined our Board, and we look forward to their valued contributions in their leadership role.

Sincerely,

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

2022

JANUARY — Sustainability Tool ✓
Launched the Herd Sustainability Index in Quebec and Atlantic Canada to pinpoint opportunities for sustainable dairy practices

FEBRUARY — A2 Reports
Released A2 Genotype report to select for Beta Casein

MAY — ICAR Conference ✓
Hosted the International Committee for Animal Recording (ICAR) conference attracting over 300 industry leaders

JUNE — Robot Report
Published the Robot Report to provide information beyond typical robot data

DECEMBER — AptiLab
Introduced AptiLab proficiency testing for dairy labs and processors

2023

APRIL — Methane Efficiency ✓
Released Methane Efficiency genetic evaluations to help reduce CH_4 emissions in dairy cattle without impacting production levels

APRIL — Body Maintenance ✓
Launched the genetic evaluation for Body Maintenance Requirements to help reduce feed costs

MAY — Cow Ranking by Income
Introduced the Cow Ranking by Income report to identify the most profitable cows in the herd using milk revenue and national rankings

OCTOBER — Global Recognition ✓
Received the Innovation in Climate Action award in collaboration with Semex from the International Dairy Federation for developing the world's first official Methane Efficiency evaluation

Expertise
Participated in 9 podcasts, 52 conferences, and hosted 16 workshops and webinars

2024

JANUARY — Publishable Records
Expanded publishable lactations to include component production data from on-farm systems

JANUARY — Support
Implemented projected BCAs as official values for lactations terminated between 280 and 305 days in milk

APRIL — Education ✓
Provided workshops on DairyComp, code of practice, sustainability and milk fat test profitability

5 years

COMING UP . . .

Transition Management
The Transition Management Dashboard will showcase the Transition Management Index (TMI) data for better herd decision-making

Robot Economics
The Boxtime Robot Service Report is a new herd management tool that provides economic value to robot milking efficiency

Genie in a **Vial**

One simple milk sample, so many solutions.

- Understand profit values
- Improve milk value
- Monitor animal health
- Mindful breeding
- Boost performance
- Peace of mind

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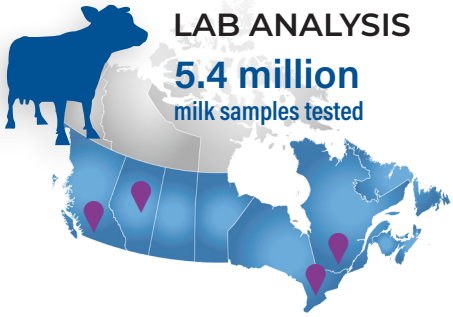
CANADIAN NETWORK FOR DAIRY EXCELLENCE

2023 HIGHLIGHTS

Solutions that shape the herds of the future.

LAB ANALYSIS



5.4 million milk samples tested

MILK RECORDING

61% of herds subscribe to milk recording

Test day data increases the accuracy of genetic evaluations

22% of cows on-test milk in robot environments

MANAGEMENT

36% of herds are enrolled on MUN

30% of herds use PROFILab bulk tank fatty acid profile *(Quebec)*

80,000+ GestaLab milk pregnancy samples tested

80,000+ electronic animal registrations were submitted on behalf of customers

HERD HEALTH

48% of herds are enrolled on KetoLab

17,000+ Mastitis4 tests analyzed *(Western Canada & Ontario)*

SOFTWARE & APP'S

#1 herd management software provider in Canada

53% of milk recorded cows are managed with DairyComp *(Western Canada & Ontario)*

39% of all herd events reported to DairyTrace are submitted through DairyComp *(Source: DairyTrace 2023)*

26% of customers subscribe to the Lactanet mobile app

SUSTAINABILITY TOOLS

- Udder Health Report for Selective Dry Cow Therapy
- MUN Analysis
- Sustainability Index Report
- Feed Efficiency Evaluations
- Methane Efficiency Evaluations

AWARDS

Lactanet and Semex received the Innovation in Climate Action award from the International Dairy Federation for the world's first Methane Efficiency Genetic Evaluation

EXPERTISE & SUPPORT

20,000 hours of advisory services provided *(Quebec & Atlantic Canada)*

150 producers attended complimentary DairyComp training workshops

21 Lactanet experts participated in 9 podcasts, 52 conferences and 9 online workshops/webinars

LEADERSHIP

40 Resolutions to-date empowered dairy producers to have a voice and facilitate change. Visit LactanetResolutions.ca

Source: Lactanet Canada 2023

Statistics may vary according to the products and services available in each province within Canada.

Does your farm have a **digital twin?**

By René Lacroix, Ph. D., Ing., Sr. Analytical Strategy Advisor; Liliana Fadul, Ph. D., Team Leader & Data Scientist; Daniel Warner, Ph. D., Data Scientist; Daniel Lefebvre, Ph. D., Agr., Chief Operations Officer & Director, Center of Expertise — Lactanet Canada

A digital twin is a virtual copy of the dairy farm created to run simulations and optimize production. The digital twin can, for instance, be used to simulate the impact of a change in management or diet. It relies on data collection and integration systems to continuously monitor everything that influences production, such as animal welfare and health, feed, weather, and equipment status. The data are provided by sensors installed on the farm as well as by suppliers or clients. Data are analyzed using artificial intelligence (AI), and simulation results are visualized using virtual reality. In theory, it represents the future for creating sustainable and profitable dairy farms. But do these digital twins really exist? In some industrial sectors, yes, but not yet in agriculture. Nonetheless, research on digital twins is conducted across the world, and we are going to hear more and more about it in the years to come.

The quality that AI assistance will provide to run our businesses will largely depend on the quality of the data used as input.

Everything Is Not Yet In Place

This illustrates just how rapidly progress is being made in the digital world. AI is becoming an increasingly important part of our lives and businesses. Who has not heard of ChatGPT (OpenAI) or Gemini (Google), for instance? These platforms where you can ask questions on any subject and receive well-written answers suggest a rather impressive level of AI. Obviously, they will need to evolve further and be tested by specialists in cattle nutrition and health before they can be used to help manage a dairy herd. The answers they provide seem logical, as they are supplied by algorithms that have been trained with massive databases; however, data is still limited, and AI algorithms are known to be biased by the data used to train them. As an example, because there is much more data collected in American publications or on Holstein cows — an AI algorithm calculating rations with these data would tend to suggest rations biased toward Holsteins or based on American production conditions.

It is important to remember that instruments need to be verified and maintained to provide quality data and to take the time to regularly calibrate the fat and protein sensors on milking robots to avoid data drift.

Let's Keep Investing In Data Quality

The quality that AI assistance will provide to run our businesses will largely depend on the quality of the data used as input. New sensors will gradually be implemented on farms, including digital vision systems that continuously capture and interpret the activities of each cow to monitor their welfare and health status. In the meantime, a lot of data will still need to be entered manually, and it's important to do this well to feed the digital tools that ultimately help manage businesses.

The good news is that tools are continually improving to facilitate data collection and management. For example, Lactanet's mobile application can now be used to enter changes to rations or any other important event (sometimes written on the barn calendar) that can improve or destabilize cow performance, such as an equipment breakdown. This information will soon be used to explain abnormal situations in the milk fatty acid profiles in PROFILab. As for data generated by sensors, it is important to remember that instruments need to be verified and maintained to provide quality data. It is essential, for example, to take the time to regularly calibrate the fat and protein sensors on milking robots to avoid data drift.

To enhance the value of data, the various software and databases need to communicate with each other.

The Security of Our Data Affects Us All

Digital technologies are becoming an integral part of our lives. This development comes, however, with a less enjoyable counterpart: the need to protect our personal and business data, and to control where and how they are used. Another aspect that needs to be considered is that the more we use digital technologies, the more we potentially open doors to malicious individuals or organizations. It's unfortunate, but it's a reality we must face as an industry, and it's essential that we adopt notions of cybersecurity into our businesses. It is important to be vigilant and resilient, and that starts with things as simple as storing a copy of our data in an isolated and protected location or managing passwords and access to our various equipment. This is certainly not the most interesting part of the digital world, but let's see to it collectively to take advantage of all the opportunities that lie ahead.

Technology at the Service of Production

To enhance the value of data, the various software and databases need to communicate with each other. The PROFILab tool is an excellent example, as it is based on data from PLQ and Lactanet. In fact, using the detailed profile of fatty acids in bulk tank milk, we can diagnose what's happening on the farm and what's possibly going wrong, as well as provide further solutions using data collected via milk recording. That is a lot of data to analyze several times a week! Here again, AI can be useful and help with the diagnostic. This is the route we have taken to develop an anomaly detection tool in PROFILab, which will not only detect an abnormal situation, but also suggest possible causes and solutions to prevent, for example, a drop in milk fat.

Bottom line — quality data as well as new technologies to make data accessible and analyze it with cutting-edge AI-based algorithms are an asset to keep the dairy sector moving forward on the road to sustainability.

Social Sustainability is Part of Our Dairy Farms DNA

By Simon Jetté-Nantel, Ph. D., Economist, Lactanet Canada

When we think about sustainability, we usually think of its environmental dimension. However, the social dimension of sustainability is as important, if not more. In a nutshell, social sustainability is about having a positive impact on the quality of life of those affected by our farm, starting with the operators and employees, and including surrounding communities, suppliers, and customers. For the vast majority, our farms are meant to provide a rich and high quality of life for their owners, their family, and employees. They are key economic contributors to their community and to the vitality of their region. As such, social sustainability should come naturally as part of their DNA.

To make it more practical, we can refer to the UN Sustainable Development Goals (SDGs), which underlie most sustainability initiatives whether it be from Agriculture and Agri-Food Canada, Dairy Farmers of Canada, or from the private sector [1], and the Global Reporting Initiative (GRI) guidelines [2], which offer ways to define practical and measurable indicators for tracking SDGs. In those guidelines, we find indicators related to the impact on communities, integration with community activities and objectives, the reduction of social inequalities and poverty, workers health and safety, and the application of employment and fair-trade workplace best practices.

Social Sustainability and Profitability

We shouldn't think of social sustainability as being in contradiction with profitability. In fact, in maintaining their farm profitability, by its positive contribution to local economic activity and its support to local communities, our dairy farms are key contributors to social sustainability. And the development and support of good business relationships with local communities and businesses are most often a key to profitability and sustainability. Good business relationships with the broader community will usually facilitate access to resources such as land, labor, and expertise. All things that are key to the success of dairy farms.

Quality of Life for Our Farm People

Social sustainability includes the well-being of people on the farm. At the barn, the daily routine of producers and employees is tightly knit with that of animals, through milking, feeding and other chores, such that the attitude and behavior of workers will directly affect the well-being of the herd. The well-being of farm people is directly related to the comfort and welfare of cows, which in turn is directly related to productivity and profitability.

Too often the stress of producers and employees can negatively affect their ability to care for animals, by detecting and treating health issues early for example. We all know that preventive care and early detection of disease is key in maintaining cow health, cow productivity, and in controlling costs.

The same could be said for reproduction. Undetected heat translates to a higher number of open days which can cost in the range of $3 to $6/day, and involuntarily extended lactation. In addition, a combination of undetected heat and low conception rate can lead to culling of cows that are not otherwise problematic, resulting in a higher replacement cost. In short, well trained, engaged, and motivated employees, as well as lower stressed managers, can go a long way in improving a dairy farm's profitability and sustainability.

Better cows, better people — or is it the other way around?

In summary, social sustainability is about taking care of our people. It is about recognizing the impact we can have on their lives. And recognizing that their attitude and well-being can have an impact on the welfare and productivity of our herd, and that of our farm. Likewise, Lactanet, through its services, products, and people, aims to maintain its positive impact on producers' welfare and their cows, thus contributing in its own way to social sustainability.

[1] *https://agriculture.canada.ca/en/department/initiatives/federal-sustainable-development-strategy/2023-2027-departmental-sustainable-development-strategy*

[1] *https://dairyfarmersofcanada.ca/en/sustainability*

[2] *https://www.globalreporting.org/public-policy-partnerships/sustainable-development/integrating-sdgs-into-sustainability-reporting/*

ARTICLE

What did we learn from the **'history behind your heifer inventory'** workshop?

By Rodrigo Molano, Ph. D., Dairy Production Expert – Rearing and Nutrition, Lactanet Canada

To offer concrete strategies to help dairy producers face the current environmental and economic challenges, we put heifer rearing as the center of one of our workshops in 2023. This workshop focused on the evaluation and optimization of both the number and quality of the heifers in inventory, which are effective strategies to reduce carbon emissions and increase overall profitability of the herd.

Key Indicators

More than 200 producers from across the country registered for this workshop. With them, the concepts and practices discussed were aimed towards a simple goal: to raise the right number of heifers, of the best quality possible. As part of the activity, we analyzed key indicators using data coming from the DHI records or directly from the producer. Figure 1 shows the proposed evaluation scale for some of these indicators and the average value for the participating farms for which we could gather data.

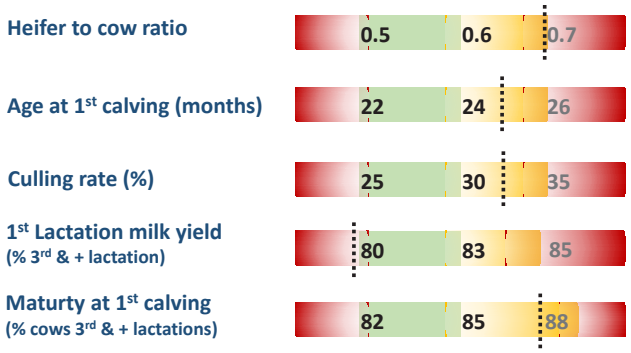


Figure 1. Selected key performance indicators of heifer inventory and heifer quality. The colored scale represents suggested benchmarks, and the dotted lines represent the average value for participating farms with available data. All provinces, breeds, production types and milking systems were combined (44 herds for maturity at first calving, 108 herds for the rest of variables).

The heifer to cow ratio was the indicator used to evaluate the adequateness of the heifer inventory. An objective of 0.5 to 0.6 heifers/cow has been proposed to reduce age at first calving (22 to 24 months) and to ensure the longevity of cows by limiting culling rate to 25-30%. On average, the group of producers analyzed had 0.7 heifer/cow ratio, 24.6 months of age at fist calving, and a 32% culling rate.

Heifer Rearing and Risk Management

When determining the number of replacement heifers to raise for each herd, several factors were considered. However, one in particular generated interesting discussion: risk management. Some participants indicated how raising extra heifers allowed them to prepare for incentive days or quota availability. For others, raising additional heifers was the result of dealing with unexpected culling or the perceived need to use sexed semen intensively to rapidly improve the herd's genetics.

In fact, the workshop was intended to provide tools for participants to manage risk and make data-oriented decisions to rationalize their heifer inventory. Some of the advised strategies were:

1. Establish a realistic culling rate: analyze the reasons of culling and determine which cows could have stayed longer in the herd to set an achievable goal.
2. Calculate the replacement needs for the herd.
3. Find the best proportion of dairy (sexed and conventional) and beef semen usage to meet both replacement and genetic needs.
4. Select the heifers to keep as early as possible, even before they are born. Use the genetic inventory report and pick traits relevant to the herd to sort heifers, and complement this ranking with early life health and performance data when possible.
5. Evaluate the quality of first calf heifers.

Maturity and Milk Yield

To evaluate heifer quality, the first lactation performance relative to that of mature cows and the maturity of heifers at first calving were considered. To optimize their performance during the first lactation, heifers should calve at 82 to 85% of the mature body weight of the herd. Their milk yield should be equivalent to at least 80% of that of mature cows. For the group of farms analyzed, first lactation milk yield was 79% of that of the mature cows. Only a fraction of the herds had body weight measurements for both mature cows and first calf heifers to evaluate maturity at first calving, which was 88% in average. These observations were consistent with those of large-scale analysis, which has indicated that the suboptimal performance during first lactation should be addressed and that maturity at first calving doesn't seem to be a limiting factor.

Therefore, we could affirm that both managing heifer inventories and optimizing first lactation performance are two areas of opportunity that most dairy farms might benefit from. Take action and use the data and guidance that Lactanet offers to get the most out of every heifer your raise.

For more information scan the QR code.

Building Canadian Breeding Goals
One Piece at a Time

By Hannah Sweett, Ph. D., Knowledge Transfer Specialist – Genetics, Lactanet Canada

Dairy genetics in Canada has undergone a remarkable expedition as selection goals and traits have evolved over time. From the establishment of breed association herdbooks and milk recording services to technological advancements and genomics, the evolution of breeding objectives reflects a complex puzzle with each piece representing new traits of interest. Let's look at the journey of building this puzzle as industry goals have grown to where we are now, and what we envision for the future.

The Core Puzzle Pieces

The first pieces of Canadian dairy cattle breeding programs originate with the recording of birth dates and pedigree information in national breed association herdbooks in the late 1800s and the establishment of national milk recording services in 1905. Milk recording at this time allowed for the tracking of how much milk and fat cows produced. As such, the first piece of the puzzle focused on selecting exclusively for increasing production, mainly through milk and fat yield. Sire evaluations for production traits were introduced by Agriculture and Agri-Food Canada in the 1970s, which introduced the concept of genetic rather than phenotypic selection.

Over time, breeders started to consider conformation or type traits as another key piece of the puzzle. The first type classification program in Canada was launched in 1925 and centered around dairy character, body capacity, and mammary system, mainly to identify breed standards in the show ring. Decades later, this data was also used to introduce sire evaluations for type traits. This movement was the start of "balanced breeding" with both production and conformation traits included in selection programs. With the introduction of genetic evaluations for females and males, in the late 1980s, breeders could make genetic selection decisions on both sides of the pedigree.

Puzzle Expansion

For many years, objectives remained focused on increasing production and improving conformation. This was the cornerstone to the development of Canada's first national selection index, the Lifetime Profit Index (now Lifetime Performance Index), in 1991. As new technologies, statistical models, and increased data recording were developed, novel traits became of interest, starting with five functional traits: milking speed, calving ease, lactation persistency, somatic cell count, and herd life. By the end of the 20th century, Canadian dairy farmers had genetic evaluations for more than 40 traits. At this time, national selection goals began to shift from being purely focused on production and type to include longevity and udder health traits as new pieces to the puzzle.

Soon after, the industry started the data collection pipeline and development of fertility and animal health traits. By the early 2000s, reproductive performance and its impact on farm profitability became a growing concern. The introduction of Daughter Fertility shifted breeding goals to improve female fertility while selecting for increased production and longer-lasting cows. Calving traits soon followed in response to the negative impact of calving problems and calf survival on profitability and to the consumer trends and expectations. By 2008, the puzzle focused on balancing high production with a long productive life and reducing costs due to reproductive, calving and disease problems.

A Genomic Revolution

Then came genomics, which accelerated the gain in accuracy of predicted breeding values thereby boosting selection decision confidence. The industry continuously saw increasing rates of genetic progress for important traits that contribute to dairy cattle profitability. A trend we continue to see today. Genomic selection and the development of additional recording technologies also paved way for the evaluation of new traits that were once too challenging to be recorded as well as traits that once had too small a reference population for accurate genetic evaluations. The industry therefore saw additional research and development toward improving existing traits and an accelerated rate of new traits for selection. Such traits include Body Condition Score, Mastitis Resistance, Metabolic Disease Resistance, and Hoof Health, which have now all benefited farm production and profitability.

Genomic selection and the development of additional recording technologies also paved way for the evaluation of new traits that were once too challenging to be recorded.

Recent Trait Additions

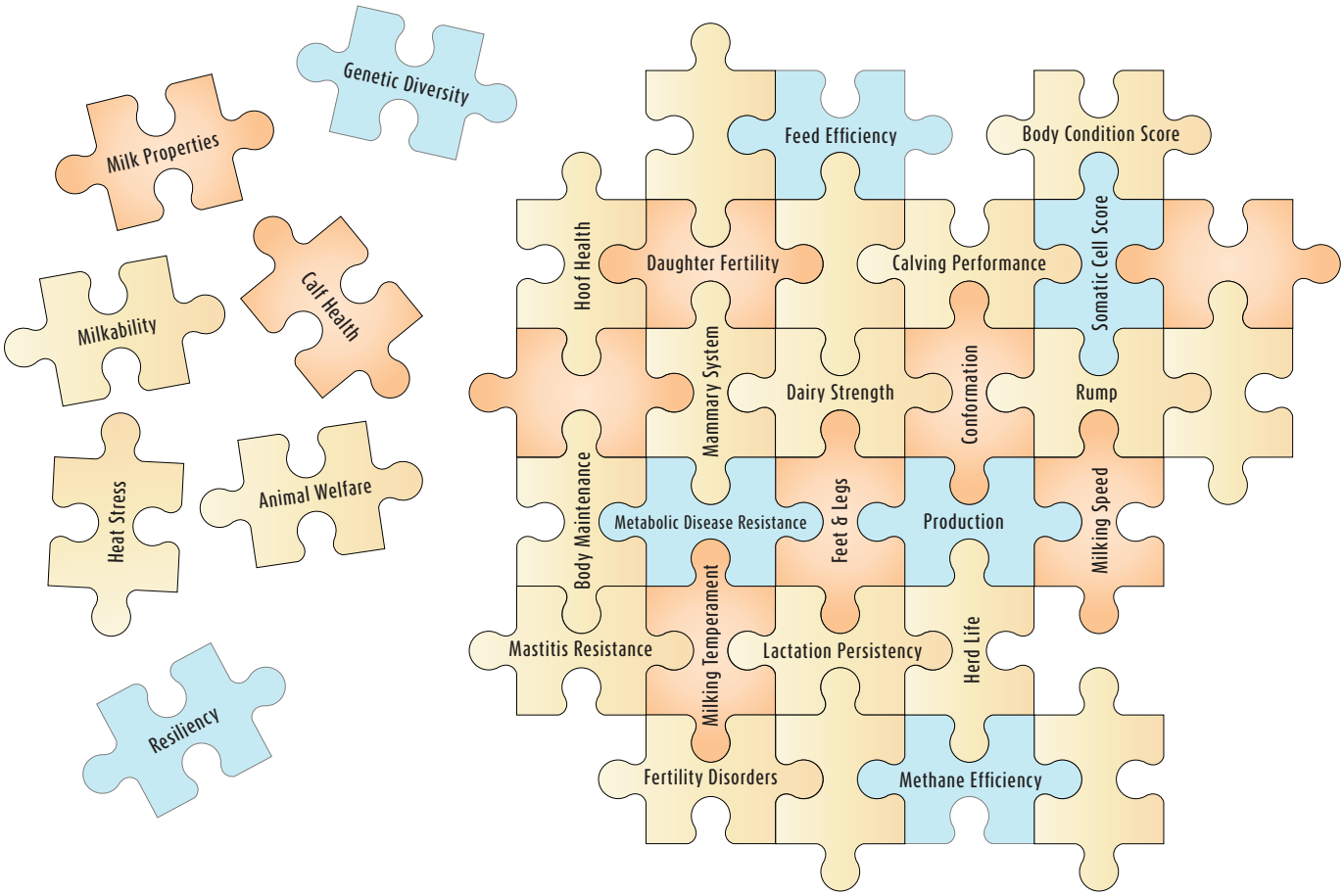
Today's puzzle of genetic evaluation tools contains over 100 routinely evaluated traits and two national selection indexes, LPI and Pro$. All of these have played and continue to play a critical role in guiding breeding decisions. The newest pieces to the puzzle include Feed Efficiency, Body Maintenance Requirements, and Methane Efficiency, reflecting the dairy industry's commitment to promoting sustainable practices and reducing its carbon footprint.

Back in the early 1900s, when selection was focused solely on phenotypic production, producers from all over the world were choosing from a limited pool of sires. However, this evolved over time as each country developed its own set of distinct breeding goals and traits. Canada has consistently invested in research and development to stay ahead of the ever-changing industry and identify novel traits of interest to benefit Canadian breeders. The farmers of today's modern society now have a diverse group of sires that excel in many traits to breed to the top females in their herd.

The Future Is Bright

Since its launch over 30 years ago, the LPI formula has been revised with input from breed associations to mirror breed improvement goals. As we look to the future, Lactanet will be modernizing the LPI formula to be more user-friendly and reflective of the dairy industry's current and future goals. It is no surprise that the puzzle of Canadian dairy breeding objectives will continue to evolve as it strives to meet the needs of the industry and society. New technologies such as sensors and 3-D cameras will pave the way for additional data recording to improve existing traits and unlock new phenotypes such as milk properties, components for human health, water usage and efficiency. Additional animal health and welfare traits may be developed, such as calf health and immune response traits that are closer to the biology of the animal. The dairy industry may also see resiliency traits, like heat stress, as researchers study how animals adapt to changing environments. In addition, new tools will be developed to assist producers in beef on dairy breeding and improving the genetic diversity of their herd.

The development of Canadian breeding goals reflects a growing, dynamic puzzle, shaped by the wealth of data available from animal identification, pedigree recording, artificial insemination, milk recording, and type classification. It is no secret that the dairy industry will continue to evolve and respond to new technologies, market demands, sustainability goals, and societal expectations. However, one thing will always remain clear: breeding goals will remain at the forefront, driving innovation and genetic progress in the quest to develop dairy cattle that are productive, resilient, and sustainable.



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- WORK SMARTER
- BOOST PERFORMANCE
- INTEGRATE EASILY
- PROVEN TECHNOLOGY
- SAVE TIME
- EXPERT SUPPORT

Lactanet

DairyComp
Herd Management Software

TOP 25 CANADIAN DAIRY HERDS

CANADA'S Best Managed Dairy Herds 2023

RANK	FARM	OWNERS	PROVINCE	BREED
1	Ferme Drahoka Inc	Francis & Sylvain Drapeau	QC	HO
2	Sunny Point Farms Ltd	Phillip & Lori Vroegh	NS	HO
3	Lochdale Holsteins	David, Anne Marie & Andrew MacMillan	ON	HO
4	Estermann Farm Inc	Martin & Regula Estermann	QC	HO
5	Ferme J. P. S. Desjardins Inc	Jean-Pierre & Stéphanie Desjardins	QC	HO
6	Ferme Roquet Inc	Sylvio Rodrigue, Anthony Rodrigue & Barbara Paquet	QC	HO
7	Rosenhill Farm Inc	André & Judith Hildbrand	ON	HO
8	FriedRidge Dairy Inc	Darrell, Lisa & Avery Fried	ON	HO
9	Dutchdale Farms	Perry & Matt Van Osch & Families	ON	HO
10	Full Send Farms Inc/Stewardson Dairy Inc	Jeff, Brenda & Dylan Stewardson	ON	HO
11	Ferme Collette et Fils Inc	Nicole Boulet, Daniel Collette & Julien Collette	QC	HO
12	—	Maynard & Elvina Bauman & Family	ON	HO
13	Heerdink Farms Ltd	Albert & Hans Borgijink	ON	HO
14	Opsterlawn Holsteins Ltd	Marten & Margriet Bylsma	ON	HO
15	Larenwood Farms Ltd	Chris & Heidi McLaren	ON	HO
16	Ferme Rocheleau Inc	Benoit Laroche, Guylaine Desrochers & Emmy Laroche	QC	HO
17	Legacy Holsteins	Steve Dolson, Karen Galbraith, Sally & Geoff McMullen	ON	HO
18	Faralary Hill Farms Ltd	Emily & Braden Bertens	ON	HO
19	Ferme Séric Inc	Éric Grégoire & Lucie Angers	QC	HO
20	Les Fermes Turmel Inc	Benoit, Nicolas & Jean-Philippe Turmel	QC	HO
21	Ferme Beljacar Inc	Carmen, Jacques & Dominic Vincent	QC	HO
22	Ferme Laterroise	Luc & Myriam Collard	QC	HO
23	Marvellane Farms Ltd	Theo & Maria Nyentap	ON	HO
24	Alexerin Dairy Inc	Ron, Judy, Todd & Erin Nixon	ON	HO
25	Rangedale Farms	Randy & Rebecca Heuving	ON	HO

Source: Lactanet Canada 2023

TOP 3 DAIRY HERDS BY PROVINCE

CANADA'S Best Managed Dairy Herds 2023

RANK	PROVINCE & FARM	OWNERS	HERD PERFORMANCE INDEX (HPI)
	NEWFOUNDLAND & LABRADOR		
1	Sunrise Dairy Ltd	Jeff & Olive Greening	829
2	Oceanview Farm	Darryl Walsh	745
3	Brophy's Dairy Farm	Leslie Brophy	744
	PRINCE EDWARD ISLAND		
1	Tiny Acres Holsteins	Logan Bryanton	883
2	Carruthers Farms Ltd	Mike Carruthers	853
3	Red Oak Farms	Pat Versteeg	838
	NOVA SCOTIA		
1	Sunny Point Farms Ltd	Phillip & Lori Vroegh	976
2	Macgregor Dairy Farm Ltd	Robbie & Mary Macgregor	910
3	Black Avon Farms Ltd	Tony & Erica Versteeg	909
	NEW BRUNSWICK		
1	Willie A Leblanc & Sons Ltd	Guy, Richard & Patrick Leblanc	904
2	Hazelhill Farms	John & Derek Robinson	881
3	Schenkels Farms Inc	John Schenkels	881
	QUEBEC		
1	Ferme Drahoka Inc	Francis & Sylvain Drapeau	988
2	Ferme Estermann Inc	Martin & Regula Estermann	966
3	Ferme J. P. S. Desjardins Inc	Jean-Pierre & Stéphanie Desjardins	965
	ONTARIO		
1	Lochdale Holsteins	David, Anne Marie & Andrew MacMillan	969
2	Rosenhill Farm Inc	André & Judith Hildbrand	964
3	FriedRidge Dairy Inc	Darrell, Lisa & Avery Fried	956
	MANITOBA		
1	Isaac Dairy Ltd	Brent, Victoria & Reg Isaac	916
2	Del Dairy	Jason Breukelman	908
3	Labass Holsteins Ltd	Jan & Tracy Bassa	852
	SASKATCHEWAN		
1	Marfay Farms Ltd	Merlis & Mark Wiebe	855
2	Alley Holsteins	Albert Leyenhorst	853
3	Enns Farms Ltd	Ryan Enns	852
	ALBERTA		
1	Mars Dairy	Gert & Sonja Schrijver	929
2	Poly-C Farms	Cor & Cathy Haagsma	879
3	Nielsen Farms Ltd	Jeff Nielsen	864
	BRITISH COLUMBIA		
1	West River Farm Ltd	Grant & Eugene Sache	923
2	Trinity Holsteins	Paul Schmidt	906
3	Rosegate Dairy Farms Ltd	Ted De Jong	902

Source: Lactanet Canada 2023

TOP CANADIAN DAIRY HERDS BY CATEGORY

CANADA'S Best Managed Dairy Herds 2023

RANK	CATEGORY/FARM	OWNERS	PROVINCE/REGION
	TIE STALL (CANADA)		
1	Ferme Drahoka Inc	Francis & Sylvain Drapeau	QC
2	Lochdale Holsteins	David, Anne Marie & Andrew MacMillan	ON
3	Ferme J. P. S. Desjardins	Jean-Pierre & Stéphanie Desjardins	QC
	TIE STALL (REGION)		
1	Curry Knoll Farms Ltd	John Curry	ATL
2	Ferme Drahoka Inc	Francis & Sylvain Drapeau	QC
3	Lochdale Holsteins	David, Anne Marie & Andrew MacMillan	ON
4	Isaac Dairy Ltd	Brent, Victoria & Reg Isaac	WEST
	FREE STALL (CANADA)		
1	Sunny Point Farms Ltd	Phillip & Lori Vroegh	ATL
2	Ferme Estermann Inc	Martin & Regula Estermann	QC
3	Full Send Farm Inc/Stewardson Farms Inc	Jeff, Brenda & Dylan Stewardson	ON
	FREE STALL (REGION)		
1	Sunny Point Farms Ltd	Phillip & Lori Vroegh	ATL
2	Ferme Estermann Inc	Martin & Regula Estermann	QC
3	Full Send Farm Inc/Stewardson Farms Inc	Jeff, Brenda & Dylan Stewardson	ON
4	Mars Dairy	Gert & Sonja Schrijver	WEST
	ROBOT (CANADA)		
1	Ferme Roquet Inc	Sylvio Rodrigue, Anthony Rodrigue & Barbara Paquet	QC
2	Rosenhill Farm Inc	André & Judith Hildbrand	ON
3	FriedRidge Dairy Inc	Darrell, Lisa & Avery Fried	ON
	ROBOT (REGION)		
1	Folly River Farms Ltd	Lauchie Maceachern	ATL
2	Ferme Roquet Inc	Sylvio Rodrigue, Anthony Rodrigue & Barbara Paquet	QC
3	Rosenhill Farm Inc	André & Judith Hildbrand	ON
4	West River Farm Ltd	Grant & Eugene Sache	WEST
	ORGANIC (CANADA)		
1	Ferme Fleuralic	Louis Fleurent	QC
2	Scheele Organic Dairy	Dave, Kristen & Corrie Scheele	ON
3	Ferme Lériger SENC	Lucien Bouchard, Daniel Bouchard & Cathy Enderle	QC
	ORGANIC (REGION)		
1	Ferme Fleuralic	Louis Fleurent	QC
2	Scheele Organic Dairy	Dave, Kristen & Corrie Scheele	ON
3	Driessen Dairy #3	Tony Driessen	WEST

Source: Lactanet Canada 2023

Top Herds for Herd Performance Index (HPI)

Rank	Farm Name	Points						HPI
		Milk Value	Udder Health	Age at 1st Calving	Calving Interval	Longevity	Cows in Milk	
New Brunswick								
1	Willie A. Leblanc & Sons Ltd	493	110	89	50	62	100	904
2	Hazelhill Farms	487	96	83	50	65	100	881
3	Schenkels Farms Inc	475	76	94	50	86	100	881
4	Pascobac Holsteins Inc	427	146	78	28	100	100	879
5	Beckelm Farm	459	59	93	50	99	95	855
6	Walkerville Farms	473	95	61	41	62	95	827
7	Clarke Farms	497	95	61	27	42	100	822
8	Top of the Morning Farm Ltd	444	38	83	49	94	100	808
9	Wesselius Holstein Farms Ltd	460	90	62	49	43	100	804
10	Youngdale Dairy Farm Ltd	385	133	51	50	75	100	794
Nova Scotia								
1	Sunny Point Farms Ltd	497	138	97	45	99	100	976
2	Macgregor Dairy Farm Ltd	499	125	83	33	70	100	910
3	Black Avon Farms Ltd	478	123	88	41	79	100	909
4	A & J Bent Farms Ltd	421	149	92	41	99	100	902
5	Folly River Farms Ltd	478	117	91	49	96	69	900
6	Bekkers Farm Inc	489	130	89	31	25	100	864
6	Biggs Farms Ltd	492	130	74	49	11	100	856
8	Bethesda Holsteins Ltd	492	92	79	21	55	100	839
9	Bokma Farms Ltd	496	35	96	36	88	80	831
10	Curry Knoll Farms Ltd	471	117	81	50	9	100	828
Prince Edward Island								
1	Tiny Acres Holsteins	487	139	99	50	8	100	883
2	Carruthers Farms Ltd	497	107	89	50	10	100	853
3	Red Oak Farms	479	127	81	30	21	100	838
4	Karma Farms	442	135	96	50	26	69	818
5	Royalwater Holsteins	484	100	61	33	96	36	810
6	Reeves Farm Inc	493	62	66	49	34	100	804
7	Howardvale Holsteins	451	112	81	47	8	100	799
8	Picturesque Farms	398	141	61	14	83	90	787
9	Tenslotte Dairy Ltd	489	138	70	29	35	26	787
10	Sandyrae Farms	435	45	96	29	98	71	774
Newfoundland								
1	Sunrise Dairy Ltd	499	79	95	49	7	100	829
2	Oceanview Farm	407	147	47	20	24	100	745
3	Brophy's Dairy Farm	369	117	52	44	72	90	744
4	N & N Farm Ltd	388	71	91	30	38	54	672
5	Cornerstone Farm	46	76	24	5	92	100	343

Your Herd at **MySite**

At Lactanet, each dairy producer has their very own online account to help make better decisions faster.

- **Access herd performance and test results**
- **See herd data on a dynamic dashboard**
- **Discover innovative herd solutions**
- **Learn about products and services**
- **Reduce paper reports**

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Contact us to activate your **MySite** account and get started.

Red Oak Farms

Oyster Bed, Prince Edward Island

Owners: Pat, Judy & Ben Versteeg

Farm Size: 300 Acres

Barn Style: Free-stall

Milking System: Double-6 herringbone

Herd Size: 65 milking Holsteins, 145 animals overall

HPI: #3 Best Managed Herd in PEI in 2023

Milk Value: $11,290

Average SCC: 113

Herd Efficiency: 88.8%

Lactanet Services:

- Milk recording
- Management reports
- SCC

A Legacy of Growth and Excellence

By Hannah Sweett, Ph.D., Knowledge Transfer Specialist – Genetics Portfolio

In 1998, Pat and Judy Versteeg moved their family from Nova Scotia to Oyster Bed, PEI where they founded Red Oak Farms after purchasing the herd from the Phillips family at Westcountry Farms. Having both been raised on family farms, Pat and Judy knew what it took to thrive by steadily growing their land and quota base, while making continuous improvements to facilities. Today, Pat and Judy continue to be heavily involved in the farm along with their son Ben, who recently returned home after working for Semex for 10 years. "We are very lucky to have a great team working alongside us," says Ben, "Josh Robertson has a lot of equipment expertise and Jon Raymond Dykstra milks and helps with tours, events and classifications."

Trusting the Science

Red Oak Farms pays particular attention to the details and invests where there are clear returns, striving to maximize production, efficiency, cow health and longevity. "There are few areas where you can't cut your way to success, and for us that starts with genetics at the cow and crop level," states Ben. The Versteeg's want cows and crops that are going to have great returns while succeeding in their environment. From a herd perspective, genomic testing allows them to make superior breeding and management decisions, selecting the right animals to cull, breed to beef, or use sexed semen on. "We genotype 100% of our animals, including receiving Beta Casein and Kappa Casein results and selective testing for polled and coat colour," explains Ben. "It has allowed us to identify the odd parentage mistake, areas of weakness, and haplotypes more quickly so that we can be more agile in our breeding program and make rapid genetic progress."

The Versteeg's primarily use the Canadian genetic evaluation system for sire selection and breeding decisions, and they feel it is important to add data to this system by participating in milk recording, classification, and genomic testing. "We select bulls based on LPI and look for health traits and high component yields in addition to those that are A2A2 and carry at least one B for Kappa Casein." Moreover, the farm looks for good Milking Speed and a balanced Type profile, with particular

"We value the ecosystem Lactanet creates within the Canadian dairy industry including the research and innovation that is supported by producer data. We also appreciate the work Lactanet does to drive improvement in the dairy industry by creating educational resources, such as webinars, and benchmarking tools that allow us to reflect against past-performance and see how our cows and herd compare to our peers."

emphasis on Mammary System and Feet & Legs. They breed 50% sexed and 50% beef semen and almost exclusively use genomic bulls to maximize progress. Their breeding strategy has changed over time, but with consistency throughout the last few years they are seeing year-over-year gains. By selecting niche genetic traits they have also differentiated their breeding program as showcased in the December 2023 Proofs where the herd had a #1 GEBV GLPI cow who is A2A2, BB and Polled. "It's fun when you have a cow like that in the barn, and it is more realistic to make something like that happen in a herd our size, rather than competing with the larger genetic programs that dominate the index lists," states Ben.

Commitment to Herd Health

Red Oak Farms also focuses on animal health from both a genetic and management perspective. "We place high value on having a healthy herd of cows as it ensures they can reach their genetic potential and help to build public trust," notes Ben. The family is consistent with vaccine regimens in cows and calves and have fine-tuned their dry cow and transition cow programs. With mastitis currently being their number one culling reason, they place an increased emphasis on avoiding bulls that are below average for the Mastitis Resistance evaluation. "We also use milk recording data to get individual animal insights for SCCs to identify problem cows who are not displaying clinical signs of mastitis," adds Ben. Additionally, the farm prioritizes quality feed to maintain cow health and maximize production. "We get the highest quality feedstuff we can, sample regularly, and are responsive in our adjustments by doing our own ration balancing," mentions Ben.

The Rewards of Success

The Versteeg's superior herd management practices and breeding program have allowed them to make steady improvements in production and efficiency while maintaining consistency in milk quality. "It is the day-to-day wins that we look back on most proudly and bring a lot of satisfaction in a job well done," remarks Ben. Red Oak Farms has celebrated

Left to Right: Maggie (McCormick), Perry, Ben, Pat & Judy Versteeg

such achievements including being ranked among PEI's top Best Managed Herds, and receiving a Master Breeder shield in 2019, as well as numerous milk quality awards over the years. "It is nice to be recognized for doing right by our cows and our customers," adds Ben.

Being motivated to take care of their cows and fields to maintain the trust of their customers, it is of no surprise that Red Oak Farms has a prosperous future ahead. "We are pursuing a herd that can produce more with less, where our cows are healthy and last for many years," affirms Ben. "We will continue to take steps to be better stewards of our land and respond to consumer expectations." This includes adopting more opportunities to incorporate new technologies that can increase production, reduce labour, and minimize environmental impacts. One such example is the farms' most recent venture of manure injection technology that will allow them to use nutrient resources more efficiently, while reducing fertilizer use and mitigating nitrogen emissions.

Pascobac Holsteins

Belleisle Creek, New Brunswick

Owners: Hugh O'Neill & Kelly Cooper

Longevity, Production, Health and Wellness: The Pascobac Balance

By Juno Hartley, Knowledge Transfer Specialist, Lactanet Canada

Farm Size: 240 cleared acres and 585 acres of woodlot

Barn Style: Free-stall

Milking System: Double-6 herringbone

Herd Size: 62 lactating cows

Milk Value: $10,499

SCC: 76

Age at First Calving: 23.7 months

Calving Interval: 13.5 months

Cows in 3rd Lactation or Higher: 52%

Herd Efficiency: 88.1%

Lactanet Services:

- Milk recording
- KetoLab
- Transition Cow Index
- Management reports
- Advisory services
- Lactanet Mobile

Situated 18 km east of Sussex, New Brunswick, Pascobac Holsteins has been in the O'Neill family since 1914, and has been their home for five generations. Over the last 40-plus years, current owner Hugh O'Neill has milked alongside his parents two brothers, his two daughters, as well as countless others who have helped the herd keep their place amongst the best in the province.

Setting the Bar High

"I enjoy the challenge of constant improvement," Hugh begins, "whether this is breeding for a better cow, achieving higher production, or better milk quality." He adds that his wife, Kelly, and daughters Casey and Anika are all high achievers and he and the herd need to keep up!

Hugh relies on not just blind ambition to push Pascobac ahead, but on principles of continual learning and input from others. He keeps an open mind and appreciates external perspectives—be it their veterinarian Dr. Marc Verschoor, breeder Dennis Anderson, Lactanet advisor Dr. Stirling Dorrance, or others. "I'd say our real keystone is herdsman Grant Chambers," Hugh elaborates. "He's become sort of a hybrid of friend, family and co-worker. I rely on him a lot and look for his input on decisions because he has great commitment to the success of our business. He helps me push for better results everywhere." Hugh also adds that part-time employee and friend Gerry Vandersluys and two local students are an immense help to the herd.

Rebuilding and Opportunity

After suffering a devastating fire to their tie-stall barn in 2010, Hugh reflects on how their fellow Dairytown neighbours upheld and supported them through the loss and after: "We were fortunate to be able to move into a neighbour's empty

"I believe that money spent on using only the best bulls will easily come back to us in the profit of the resulting daughters. It's an investment well-made."

barn while we planned and reconstructed during a 16-month span and our fellow producers were a truly great support to us. It's in challenging times that make you realize how important community is." Though it was the biggest setback the herd had ever known, Hugh believes that overcoming the struggles it brought is their largest accomplishment.

Once built, the new barn allowed for several key health and welfare improvements, most notably in ventilation and the addition of sand-bedded stalls. With lots of natural light, adjustable side curtains for temperature control and great air quality, the herd has no shortage of comfort at their disposal.

Longevity and Profit

One such area is the farms' breeding program where all females are genomic tested and have been for many years, allowing for more accurate Genetic Evaluations for each member of the herd. These evaluations shape the breeding program, which divides the animals into three semen recipient groups: sexed, conventional Holstein, or beef. "I believe that money spent on using only the best bulls will easily come back to us in the profit of the resulting daughters. It's an investment well-made."

At Pascobac, the overall program for top-end animals emphasizes longevity-based Type traits along with a balance of Fat kg and Protein kg. "We want it all!" is something that Hugh is probably not alone in saying. "Excellent Conformation leads to profitability, improved longevity, and a higher lifetime

Left to Right: Kelly Cooper, Casey, Anika & Hugh O'Neill

production per cow," Hugh adds, "and decreases the number of heifers you'll need as replacements, which saves costs." A mobile cow with great Dairy Strength and capacity is one that will have a long, productive and therefore profitable life - and currently, over half the herd is third lactation or older.

Additional Data

When it comes to the parlour, milk recording helps Hugh make culling decisions and which cows to keep open. He makes use of the Lactanet Mobile application to have a quick overview of the herd, individual animals, and lactation groups when needed. The performance data also allows for more accurate genetic evaluations on each animal, and it helps the team narrow in on management changes and their effect on production.

Another key to their success is ensuring that the same attention that is given to their data is given to the animals themselves. "Herd health is taken very seriously, and vet visits are regular," mentions Hugh. "We run strict protocols and time things carefully to get cows pregnant as easily as possible." This protocol involves a holistic approach where full vaccination schedules are strictly followed, stocking density is managed carefully in all life stages, and the dry cow and transition program has become more of a priority.

Lastly, the farm puts emphasis on udder health leading to low somatic cell count and excellent milk quality. Management efforts have really paid off, as Dairy Farmers of New Brunswick recently awarded Pascobac with a 10-Year Recognition in Milk Quality Award. Also of note is the herd's year-over-year overall performance as they consistently rank in the top in New Brunswick with Lactanet's Herd Performance Index.

Looking to the future, Hugh wants to keep up the pace: "I've been pursuing the ideal herd for nearly 40 years," he says, "and I'm still motivated to do a better job of the many aspects of dairy farming than I've done so far, as it's continual and collaborative work." As committed management practices contribute to the well-being of the farm, a profitable herd, and an inspired team, we look forward to the next Pascobac chapter.

HERD HEALTH

Maintain a healthy and profitable herd.

Test regularly for:

- **Mastitis4**
- **Johne's / Paratuberculosis**
- **Somatic Cell Count & Selective Dry Cow Therapy**
- **Sub-clinical Ketosis**
- **Milk Urea Nitrogen**
- **Leukosis**

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National Statistics by Province

Province	Recorded Herds		Recorded Cows		Average Herd Size		% Herds > 100 Cows	
	2022	2023	2022	2023	2022	2023	2022	2023
British Columbia	195	177	36,964	33,966	190	192	67	67
Alberta	289	282	48,280	47,546	167	169	75	77
Saskatchewan	70	75	13,279	15,265	190	204	86	80
Manitoba	130	126	25,135	25,241	193	200	54	54
Ontario	2,090	2,032	192,851	186,136	92	92	26	26
Quebec	2,908	2,783	236,622	233,172	81	84	20	22
New Brunswick	91	91	9,362	9,721	103	107	30	36
Nova Scotia	104	101	10,929	11,164	105	111	34	35
Prince Edward Island	82	80	7,656	7,465	93	93	28	26
Newfoundland	8	7	1,787	1,220	223	174	88	71
CANADA	5,967	5,754	582,865	570,896	98	99	29	29

Province	Calving Interval (Months)		Dry Period (Days)		Milk Production (kg)		SCC	
	2022	2023	2022	2023	2022	2023	2022	2023
British Columbia	13.8	14.0	67	68	10,551	10,228	157	159
Alberta	13.5	13.7	74	73	10,445	10,493	180	170
Saskatchewan	13.7	13.7	78	77	10,537	10,606	176	160
Manitoba	13.9	14.0	81	76	10,321	10,278	209	198
Ontario	13.6	13.7	66	66	10,177	10,352	188	197
Quebec	13.4	13.5	64	64	9,864	9,925	183	189
New Brunswick	13.5	13.7	63	64	9,390	9,508	182	183
Nova Scotia	13.6	13.8	69	70	9,907	10,058	188	208
Prince Edward Island	13.7	13.8	72	69	10,070	9,973	162	173
Newfoundland	13.6	13.7	63	64	10,293	11,431	184	157

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CANADIAN NETWORK FOR DAIRY EXCELLENCE

2023 MANAGEMENT BENCHMARKS

Based on Annual Herd Averages

Herd Performance Index (HPI)

	New Brunswick				Nova Scotia				Prince Edward Island				Newfoundland			
Percentiles*	30th	50th	70th	90th	30th	50th	70th	90th	30th	50th	70th	90th	30th	50th	70th	90th
Milk Value (Holstein)** 305 Day Lactations ($)	7,500	8,406	9,185	10,917	8,033	9,142	10,121	11,228	8,115	8,987	9,721	11,247	8,599	10,080	10,233	11,506
Milk Value (Other Breeds)** 305 Day Lactations ($)	6,063	6,655	7,431	8,336	6,659	7,685	8,969	9,520	6,668	7,116	7,611	8,644	—	—	—	—
Udder Health Somatic Cell Count ('000)	228	174	154	106	246	202	157	110	219	149	124	91	184	178	195	153
Age at 1st Calving First Lactation (months)	28.1	26.4	24.5	23.5	27.2	25.4	24.0	23.3	28.1	26.2	24.8	23.6	26.6	24.9	25.4	23.3
Calving Interval Average (months)	14.0	13.5	13.1	12.7	14.2	13.6	13.2	12.9	14.2	13.7	13.3	12.8	15.8	14.0	13.7	13.1
Longevity Herd 3rd+ Lactations (%)	37.5	40.6	44.1	51.7	39.1	43.2	46.3	52.2	33.0	37.8	42.1	48.9	31.6	36.4	41.1	46.2
Herd Efficiency Herd in Milk (%)	86.0	87.2	88.4	91.0	84.6	86.3	87.8	89.7	84.8	86.8	88.5	90.7	84.9	86.7	87.8	88.2
# of Cows Milking and Dry	65	76	115	232	63	79	110	192	54	75	92	157	98	185	193	255
Standard Milk (kg per cow per day)	30.9	33.8	38.1	43.8	34.0	37.1	40.9	45.3	33.2	37.0	40.5	45.4	41.4	41.9	42.5	46.7
Turnover Herd Removed (%)	36.5	31.5	28.1	21.1	36.7	31.2	27.0	18.5	42.9	34.6	29.4	23.8	34.7	31.5	27.0	17.9
Days Dry	67	61	59	54	73	65	58	52	75	63	57	52	65	63	59	58
Days to 1st Breeding	89	83	78	68	96	87	79	70	94	86	78	70	91	87	84	83

** How percentiles work: If all herds/animals were arranged in order from lowest to highest, the 70th percentile would be the value of the herd that is better than 70% of all the other herds.*

*** Value after deductions and transportation. - Insufficient data*

Percentile Ranks for Atlantic Herds

PERCENTILES ▶	MAX	90th	80th	70th	60th	50th	40th	30th	20th	10th
Milk Value/Holstein ($)	*	11,208	10,540	9,985	9,384	8,933	8,455	8,002	7,461	6,764
POINTS**	500	475	430	366	272	205	145	99	60	30
Milk Value/Coloured Breeds ($)	*	9,015	8,460	8,208	7,537	7,190	6,778	6,412	6,064	5,543
POINTS	500	455	406	371	281	231	159	118	79	45
Udder Health	<38.1	97.0	118.4	137.0	155.4	172.0	200.8	231.4	256.8	314.4
POINTS	150	138	123	109	94	79	60	40	27	13
Age at 1st Calving (months)	<21.9	23.4	23.9	24.3	24.8	25.9	26.5	27.4	28.6	31.0
POINTS	100	87	73	61	46	27	19	12	7	3
Calving Interval (days)	<394	387	393	399	407	412	421	430	444	461
POINTS	47	50	47	41	32	27	20	15	9	5
Longevity (%)	52.0 - 54.2	51.2	47.5	44.5	42.9	40.9	38.9	37.2	34.3	31.7
POINTS	100	99	89	74	65	53	42	33	22	13
Herd in Milk (%)	86.2 - 90.2	90.3	89.1	88.2	87.4	86.7	86.0	85.1	83.9	81.6
POINTS	100	98	100	100	100	100	95	73	54	35

Based on 259 herd averages.
*Herds being benchmarked in this category did not reach the maximum score.
**Data from Lactanet 2023 Herd Performance Index.

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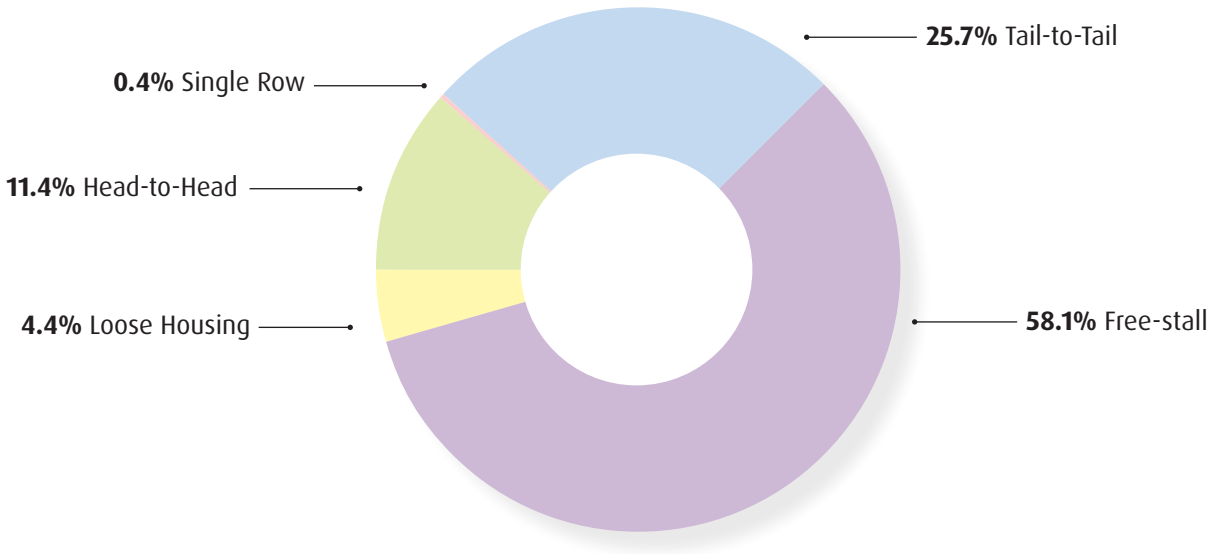
305-Day Production Average

Service Level	# of Herds	Milk kg	Fat kg	Protein kg	BCA			
					Milk	Fat	Protein	Avg
New Brunswick								
Publishable	71	9,618	399	320	224	239	230	231.2
All	92	9,552	390	313	222	232	224	226.0
Nova Scotia								
Publishable	72	10,541	440	354	241	262	252	251.6
All	110	10,145	422	341	231	250	240	240.4
Prince Edward Island								
Publishable	65	10,308	429	342	234	259	243	245.1
All	77	10,307	428	342	232	256	241	243.0
Newfoundland								
Publishable	5	11,205	469	372	254	287	264	268.3
All	9	10,903	439	355	245	267	251	254.4

For Ayrshire, Holstein and Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average, all other breeds require 5.

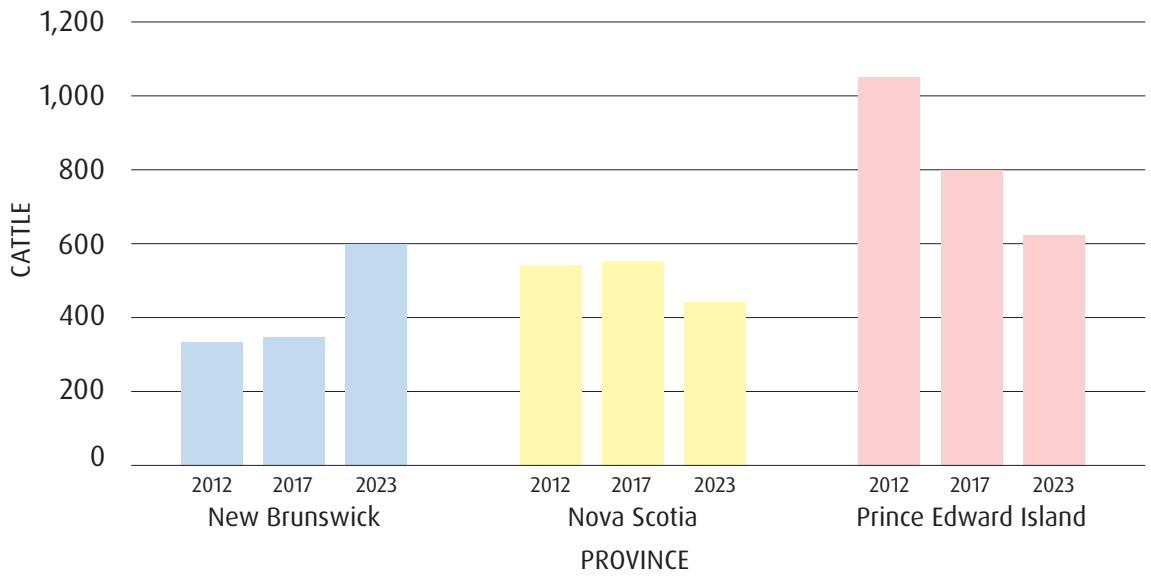
Barn Type



Annual Herd Demographics

Cows	Herds %	Animals %	Avg Herd Size	Avg Milk Production	Avg Fat Production		Avg Protein Production		Avg SCC ('000/ml)
					kg	%	kg	%	
New Brunswick									
1-39	4.8	1.3	28	7,402	325	4.39	259	3.50	195
40-79	48.8	26.6	63	8,984	369	4.11	302	3.36	174
80-119	17.9	15.8	101	8,993	392	4.36	308	3.42	210
120+	28.6	56.4	231	11,081	464	4.19	375	3.38	180
Nova Scotia									
1-39	6.1	1.5	29	7,241	287	3.96	244	3.37	213
40-79	44.4	24.5	61	9,539	403	4.22	326	3.42	214
80-119	22.2	18.8	97	10,579	447	4.23	360	3.40	234
120+	27.3	55.1	228	11,103	474	4.27	376	3.39	176
Prince Edward Island									
1-39	7.6	2.2	28	8,753	372	4.25	295	3.37	195
40-79	46.8	29.4	59	9,475	403	4.25	322	3.4	173
80-119	27.8	28.4	94	10,107	424	4.2	343	3.39	166
120+	17.7	40.0	219	11,322	482	4.26	381	3.37	145

Live Cattle Movement



Top Atlantic Herds for SCC

Farm	Location	Province	12 Month	
			Avg SCC	Avg Milk
Abelaine Farms Inc	New Glasgow	PE	38	10,605
Elmmur Holsteins Inc	McDougall Settlement	NB	58	8,997
Dutchhoeve Dairy	Smithfield	NB	58	8,913
A & J Bent Farms Ltd	Lawrencetown	NS	58	11,803
Hoff Dairy Inc	South Rustico	PE	58	10,004
Auchinleck Farms Ltd	Bedeque	PE	60	8,820
Siegrist-Cyr Farm	Abram-Village	PE	62	10,457
Ferme Laitiere Poupe	St-Leonard-Parent	NB	65	10,289
Oceanview Farm	Bay Bulls	NF	72	11,929
Bacon Farms Ltd	Amherst	NS	74	8,088
Bretonview Farm Ltd	Cleveland	NS	74	11013

Last test 2023. Herd must be enrolled before January 1st of the year and still active on January 1st of the following year.

Top 3 Herds for SCC by Province

Farm	Location	12 Month	
		Avg SCC	Avg Milk
Prince Edward Island			
Abelaine Farms Inc*	New Glasgow	38	10,605
Hoff Dairy Inc*	South Rustico	58	10,004
Auchinleck Farms Ltd*	Bedeque	60	8,820
Nova Scotia			
A & J Bent Farms Ltd*	Lawrencetown	58	11,803
Bacon Farms Ltd	Amherst	74	8,088
Bretonview Farm Ltd	Cleveland	74	11,013
Fort Lands Farm Ltd	Fort Ellis	89	11,301
New Brunswick			
Elmmur Holsteins Inc*	McDougall Settlement	58	8,997
Dutchhoeve Dairy*	Smithfield	58	8,913
Ferme Laitiere Poupe	St-Leonard-Parent	65	10,289
Pascobac Holsteins Inc	Belleisle Creek	76	11,373
Newfoundland			
Oceanview Farm	Bay Bulls	72	11,929
Brophy's Dairy Farm	Daniel's Harbour	126	10,802
Sunrise Dairy Ltd	Musgravetown	172	13,973

Last test 2023. Herd must be enrolled before January 1st of the year and still active on January 1st of the following year.

* Top 3 herd for SCC in Atlantic Canada.

Milk Production Levels for Holstein Herds

Avg by 20% Milk Production Group	0-20	21-40	41-60	61-80	81-100	Total (Avg)
Number of Herds	47	47	47	47	48	236
Average Herd Size (cows)	71.5	84.7	110.5	119.6	187.3	115.0
Milk (kg/cow/year)	7,855	9,248	10,123	11,126	12,725	10,226
Fat (kg/cow/year)	321	379	430	469	536	428
Fat (%)	4.09	4.10	4.25	4.22	4.21	4.17
Protein (kg/cow/year)	262	310	343	378	429	345
Protein (%)	3.34	3.36	3.39	3.39	3.37	3.37
SCC ('000/ml)	226	204	184	161	162	187
Linear Score	2.5	2.2	2.2	2.0	2.0	2.2
Corrected Milk[1] (kg/cow/day)	29.4	33.8	37.5	41.1	46.2	37.6
Culling (%)	33.7	39.3	34.5	33.3	39.8	36.1
Voluntary Cull[2] (%)	10.0	6.5	6.3	7.3	10.1	8.0
Involuntary Cull (%)	14.2	18.3	19.5	17.6	18.8	17.7
Cows in Lactation (%)	85.4	85.9	87.0	86.6	87.2	86.4
3rd Lactation+ (%)	42.1	40.0	39.4	40.5	40.6	40.5
Average Age (months)	50.4	47.7	46.9	44.3	43.8	46.6
Age at 1st Calving (months)	28.5	28.3	28.0	24.8	24.1	26.7
Calving Interval (days)	436	431	422	404	402	419
Days in Milk at 1st Breeding	94	91	89	84	83	88
Breedings/cow/year	1.87	2.07	2.05	2.10	2.14	2.05
Days Dry	73	70	65	65	61	67
Days Open	156	151	142	124	122	139
Milk Value ($/cow/year)	6,769	7,965	8,960	9,573	11,195	8,902

[1] Corrected milk is adjusted to 2nd lactation, 150 days in milk, 4.0% fat and 3.35% protein

[2] Categories of 'Unkown' and 'Other' are excluded from this field

Quebec Holstein Herd Statistics Based on Milk Production[1] — Feed Efficiency

Production – 20% Ranking	0-20[2]	21-40	41-60	61-80	81-100	Total/Avg
Number of Herds	470	470	470	469	469	2,348
Number of Cows in Herd	66.4	79.4	84.3	89.7	108.5	85.6
PRODUCTION						
Milk (kg/cow/year)	8,014	9,592	10,387	11,072	12,195	10,251
Butterfat (kg/cow/year)	337	400	432	459	503	426
Butterfat (%)	4.28	4.17	4.16	4.15	4.12	4.18
Protein (kg/cow/year)	272	326	354	377	413	348
Protein (%)	3.45	3.40	3.41	3.40	3.39	3.41
SCC ('000 c.s./ml)	221	196	185	167	161	186
Linear Score	2.5	2.3	2.2	2.1	2.0	2.2
Corrected Milk[3] (kg/cow/day)	30.2	35.4	38.0	40.4	44.1	37.6
DEMOGRAPHICS						
Culling (%)	30.0	31.8	32.2	32.3	34.8	32.2
Voluntary Cull[4] (%)	4.2	5.4	5.7	6.6	8.5	6.1
Involuntary Cull[4] (%)	16.0	16.7	17.9	17.4	17.5	17.1
Cows in Lactation (%)	86.4	86.8	86.9	86.7	87.1	86.8
3rd Lactation + (%)	45.1	44.2	43.9	43.8	43.7	44.1
Average Age (yr-month)	4-1	3-11	3-10	3-9	3-9	3-10
Average Bodyweight (kg)	682	694	701	712	713	702
Age at 1st Calving (months)	26.6	25.3	24.8	24.5	24.3	25.1
Bodyweight at 1st Calving (kg)	623	636	643	653	653	643
REPRODUCTION						
Calving Interval (days)	427	410	405	402	402	409
Days in Milk at 1st Breeding	81	77	75	74	77	77
Breeding (cow/year)	2.13	2.17	2.20	2.20	2.22	2.18
Days Dry	67	64	62	63	61	63
Days Open	147	130	125	122	122	129
Milk Value ($/cow/year) (all herds)	7,145	8,407	9,052	9,609	10,531	8,948
FEED & COSTS						
Number of Herds with Feed	98	98	98	98	97	489
Milk Value ($/cow/year) (herds with feed)	7,448	8,532	9,093	9,574	10,449	9,016
Milk (kg/cow/year) (herds with feed)	8,541	9,779	10,420	11,063	12,051	10,367

Quebec Holstein Herd Statistics Based on Milk Production[1] — Feed Efficiency

Production – 20% Ranking	0-20[2]	21-40	41-60	61-80	81-100	Total/Avg
FEED & COSTS (CONTINUED)						
Margin Over Feed Cost ($/cow/year)	5,014	6,129	6,635	7,225	8,270	6,651
Feed Cost ($/hl)	32.86	30.61	28.76	28.74	27.95	29.79
Forage Cost ($/cow/day)	3.12	3.26	3.32	3.41	3.39	3.30
Concentrates Cost ($/cow/day)	4.05	4.44	4.32	4.64	5.16	4.52
Minerals, Vitamins & Additives Cost ($/cow/day)	0.45	0.43	0.51	0.59	0.60	0.51
Forage Milk[5] (kg/cow/year)	2967	3607	4264	4562	4842	4134
Forage (kg dry matter/cow/year)	5,120	5,553	5,760	5,951	6,037	5,683
Concentrates (kg dry matter/cow/year)	2,528	2,656	2,608	2,702	2,928	2,684
Total Dry Matter Intake (kg/cow/year)	7,647	8,209	8,368	8,653	8,965	8,367
Energy Supplement (kg dry matter/cow/year)	1,924	1,941	1,810	1,802	1920	1879
Protein Supplement (kg dry matter/cow/year)	604	715	798	900	1008	804
Feed Efficiency[6]	1.16	1.24	1.29	1.33	1.39	1.28
Standard Milk/Concentrates Ratio[7]	3.08	3.33	3.55	3.61	3.68	3.45
Concentrates Cost ($/hl)	19.32	18.31	17.00	17.37	17.57	17.92
Milk Value ($/hl)	89.89	89.94	89.96	89.23	89.39	89.68
Margin Over Feed Cost ($/hl)	57.03	59.33	61.20	60.49	61.45	59.89
Margin Over Feed Cost ($/kg butterfat)	13.31	13.83	14.25	14.25	14.40	14.01

[1] Lactanet Quebec customers, with validated data for the 12 months ending at the last test prior to December 31, 2023

[2] The 0-20 ranking gives the average of the 20% of herds with the lowest milk production, etc.

[3] Corrected milk is adjusted to 2nd lactation, 150 days in milk, 4.0% fat and 3.35% protein

[4] The category "Other" is excluded from these fields

[5] Based on energy and protein

[6] The calculation (standardized milk kg/dry matter kg) includes all cows (not just milking cows)

[7] As fed

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Top Publishable Herds by Herd Size

Herd Size	Farm Name	Location	Records	Avg BCA	Breed	BCA			Milk
						Milk	Fat	Protein	kg
Small (5-39 records)	Oceanbrae Farms	Miscouche, PEI	30	322.0	MS	324	309	333	8,759
	Linked Farms Ltd	Falmouth, NS	20	307.3	HO	290	315	317	13,038
	Tenslotte Dairy Ltd	Stanchel, PEI	35	289.3	JE	286	278	304	8,589
Medium (40-79 records)	Clarke Farms	New Canaan, NB	70	324.3	HO	308	349	316	13,725
	Holmstein Farm Ltd	Middle Musquodoboit, NS	50	317.7	HO	299	344	310	13,233
	Dock Road Dairy	Alberton, PEI	71	315.7	HO	295	342	310	12,986
Large (80-119 records)	Cornwallis Farms Ltd	Port Williams, NS	83	329.0	HO	310	350	327	13,544
	Reeves Farm Inc.	Freetown, PEI	102	311.0	HO	295	320	318	13,172
	Black Avon Farms Ltd	Heatherton, NS	93	299.3	HO	283	320	295	12,613
Very Large (120+ records)	Macgregor Dairy Farm Ltd	Churchville, NS	298	341.3	HO	325	368	331	14,662
	Sunrise Dairy Ltd	Musgravetown, NF	168	337.0	HO	314	362	335	13,467
	Carruthers Farms Ltd	Kensington, PEI	124	331.3	HO	309	350	335	13,512

Top Publishable Herds by Breed

Breed & Farm Name	Location	Records	Avg BCA	BCA			Milk	Fat		Protein	
				Milk	Fat	Protein	kg	kg	%	kg	%
AYRSHIRE											
Forever School Farms	Vernon, PEI	69	268.7	268	266	272	9,466	386	4.08	315	3.33
BROWN SWISS											
Eloc Farm	Middle Musquodoboit, NS	11	255.0	247	262	256	9,649	413	4.28	350	3.63
GUERNSEY											
Musqie Valley Farms	Middle Musquodoboit, NS	6	274.3	269	281	273	8,249	432	5.24	296	3.59
HOLSTEIN											
Macgregor Dairy Farm Ltd	Churchville, NS	298	341.3	325	368	331	14,662	614	4.19	475	3.24
JERSEY											
Tenslotte Dairy Ltd	Stanchel, PEI	35	289.3	286	278	304	8,589	453	5.27	346	4.03
MILKING SHORTHORN											
Oceanbrae Farms	Miscouche, PEI	30	322.0	324	309	333	8,759	335	3.82	293	3.35

For Ayrshire, Holstein & Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average; all other breeds require 5.

Production & Management Averages by Breed

Breed	Milk Production kg			Fat kg (%)			Protein kg (%)		
	Avg	10th Percentile	90th Percentile	Avg	10th Percentile	90th Percentile	Avg	10th Percentile	90th Percentile
Holstein	10,222	8,036	12,708	428 (4.18)	321 (3.89)	536 (4.46)	345 (3.37)	266 (3.24)	428 (3.50)
Ayrshire	7,373	6,070	8,386	317 (4.31)	273 (4.12)	365 (4.50)	252 (3.43)	221 (3.26)	288 (3.63)
Jersey	7,122	6,132	8,321	367 (5.16)	299 (4.90)	451 (5.41)	276 (3.86)	229 (3.75)	329 (3.98)
All Breeds	9,902	7,659	12,455	418 (4.23)	312 (3.90)	527 (4.54)	336 (3.40)	259 (3.25)	424 (3.54)

Breed	Age at 1st Calving (months)			Weight at 1st Calving (kg)			Average Herd Weight Including Cow-Heifers (kg)		
	Avg	10th Percentile	90th Percentile	Avg	10th Percentile	90th Percentile	Avg	10th Percentile	90th Percentile
Holstein	26.7	30.6	23.2	642	584	642	701	664	731
Ayrshire	28.6	31.4	25.9	**	**	**	**	**	**
Jersey	26.1	29.1	24.0	**	**	**	**	**	**
All Breeds	26.8	30.8	23.4	642	584	698	701	664	731

Breed	Longevity % in 3rd+ Lactation			Margin Over Feed Cost ($/cow/year)*			SCC ('000 s.c./ml)		
	Avg	10th Percentile	90th Percentile	Avg	10th Percentile	90th Percentile	Avg	10th Percentile	90th Percentile
Holstein	40.5	30.3	50.2	6,298	4,842	7,880	187	299	93
Ayrshire	50.1	41.1	59.5	**	**	**	168	231	106
Jersey	43.0	37.4	48.4	**	**	**	175	241	111
All Breeds	41.1	31.5	51.2	6,131	4,759	7,821	189	191	97

Other Parameters (All Breeds)

	Avg	10th Percentile	90th Percentile
Cows in Milk (%)	86	81	90
Replacement Rate (%)	35.7	48.1	21.0
Dry Period (days)	68	89	53
Calving Interval (days)	418	460	387
Linear Score	2.2	3.0	1.5

Photo credit: Oceanview Farms
#2 top herd for HPI in Newfoundland for 2023.

* Milk value minus feed cost. ** A minimum of 5 herds is required to calculate an average; this minimum is not met.

Top Publishable Cows by Breed

Breed	Cow, Owner, Farm, Town	Sire	Age Y/M	BCA				Production (kg)		
				Avg	Milk	Fat	Protein	Milk	Fat	Protein
New Brunswick										
HOLSTEIN	**CLARKES SPIKE WYSKEYSHOT** Matthew Clarke Clarke Farms New Canaan	S-S-I SILVER SPIKE-ET	3/1	421	415	459	388	18,151	753	551
AYRSHIRE	**REPUBLIQUE JOY** Mario Lavoie Ferme Republique St Basile	PIE X YELLOW-ET	2/0	343	336	357	335	9,656	428	318
JERSEY	**CYRROR FRANKLIN TALISMAN** Rejean Cyr Ferme Cyrror Siegas	SANDCREEKS FRANKLIN-ET	3/0	323	345	289	334	9,551	436	351
GUERNSEY	**BEAVERWOOD RUSSELL'S ELIZABETH*** Gary & Leith West Beaverwood Farms Dundas	RIPLEY FARMS M C RUSSELL-ET	5/1	318	331	306	316	12,238	566	414
MILKING SHORTHORN	**FREELANE ZUMBA JOLLY** Samorah Farms Newtown	MAPLETON VLY J ZUMBA	2/11	286	274	304	281	7,132	322	239
BROWN SWISS	**SIGEL CADENCE MELBA** Micheal Inauen Sigel Farm Cornhill	SHILOH BROOKNGS CADENCE ET *TM	4/4	247	244	251	245	10,506	434	370
Nova Scotia										
HOLSTEIN	**EXPO RUBICON 3098*** Robbie & Mary Macgregor Macgregor Dairy Farm Ltd Churchville	EDG RUBICON-ET	3/2	458	428	510	436	19,404	851	632
JERSEY	**SUGARLOAF CRAZE MALIBU*** David Bekkers Bekkers Farm Inc Antigonish	RIVER VALLEY CIRCUS CRAZE-ET	2/11	366	365	367	367	9,976	554	382
AYRSHIRE	**ALLEGRO NIRVANA STARLET*** John & Ruth Ann Greenough Greenough Family Farms Newport	COCK ROND NIRVANA	3/3	359	348	369	361	11,512	505	393
GUERNSEY	**MARODORE HP NOVAK PORTIA-ETV** John Dillman Musqie Valley Farms Middle Musquodoboit	LANG HAVEN GRUMPY NOVAK	5/11	312	324	320	292	11,180	557	359
BROWN SWISS	**ELOC HUGE REWARD*** Sandy & Dean Cole Eloc Farm Middle Musquodoboit	GOLDHILL BENDER HUGE SG-ET	2/0	298	297	291	306	9,552	381	346
MILKING SHORTHORN	**BOVIDAE COLE CATHY** Robert Wilson Bovidae Farms Inc Falmouth	BOVIDAE CONRAD COLE	4/2	220.7	236	204	222	6,862	238	210

* Top animal for that breed in all Atlantic provinces.

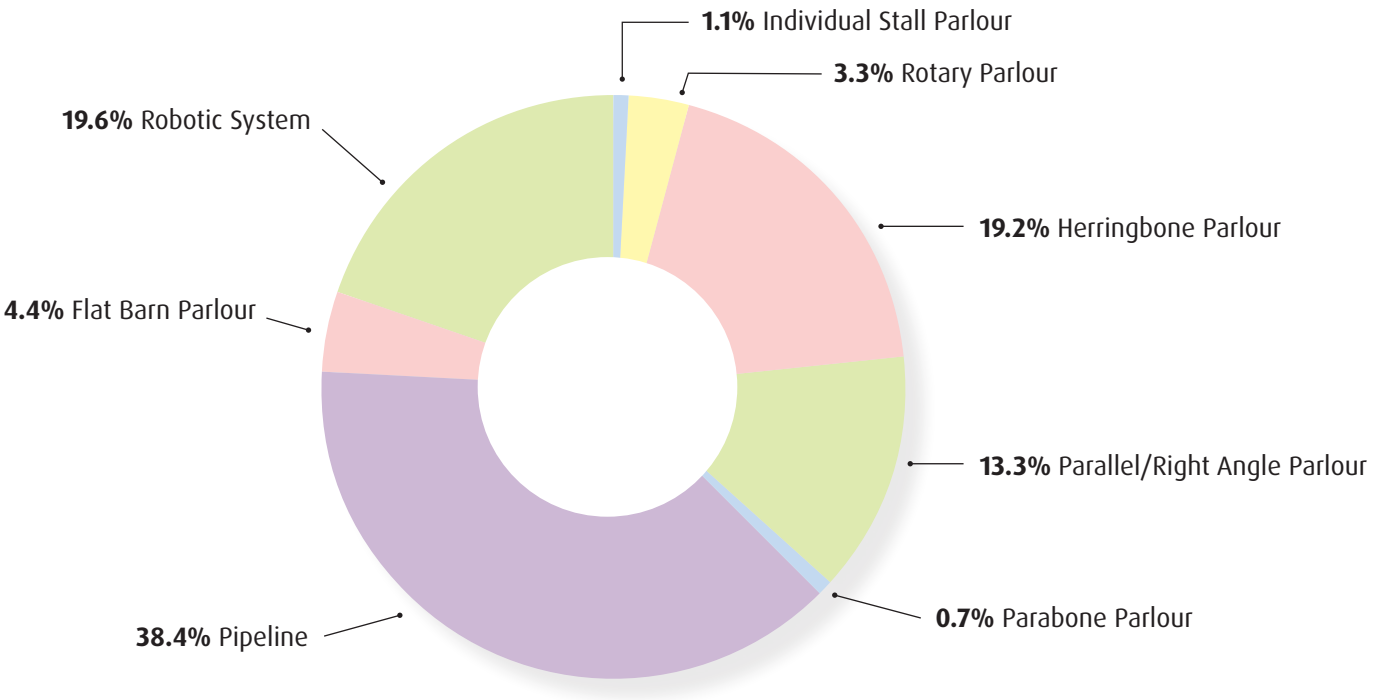
Top Publishable Cows by Breed

Breed	Cow, Owner, Farm, Town	Sire	Age Y/M	BCA				Production (kg)		
				Avg	Milk	Fat	Protein	Milk	Fat	Protein
Prince Edward Island										
HOLSTEIN	**DOCKDAIRY GYMNAST GESA** Kent Rennie Dock Road Dairy Alberton	BOLDI V GYMNAST	2/9	442	423	447	456	18,011	710	625
MILKING SHORTHORN	**OCEANBRAE ROYAL ELIZABETH-ET*** Fred & Matt Barrett Oceanbrae Farms Miscouche	ECUAFARM KAISER ROYALTY	6/0	446	454	447	436	14,678	572	458
AYRSHIRE	**FOREVER SCHOON PETRINA-ET** Garnet Schellen Forever Schoon Farms Vernon	KELLCREST RIESLING	4/7	352	351	380	324	13,598	600	412
JERSEY	**VERJATIN CHARMER LIZAMINA ET** Chris & Jennifer Versteeg Tenslotte Dairy Ltd Stanchel	AHLEM CHILI CHARMER	4/2	381	388	365	390	11,798	610	449
BROWN SWISS	**CALIMBRA CANDICE** Stefan Strebel Sunnymeadow Farms Inc North Milton	MIR ABSOLUTE	1/11	287	273	305	282	8,364	384	302
GUERNSEY	**AUCHINLECK KEZIAH LAKODA** Randall Affleck Auchinleck Farms Ltd Bedeque	COULEE CREST BLUE SPRUCE LAKOD	3/7	191	197	178	198	6,881	311	246
Newfoundland										
HOLSTEIN	**JESSIEJOE MONTROSS MOONBEAM** Jeff & Olive Greening Sunrise Dairy Ltd Musgravetown	BACON-HILL MONTROSS-ET	2/11	431	443	414	437	19,241	666	608
JERSEY	**RAISAVIEW BANCROFT VIVIAN** Lee Noel N & N Farm Ltd Cormack	JX FOREST GLEN BALTAZAR AMORE	2/7	270	275	249	287	7,702	378	304

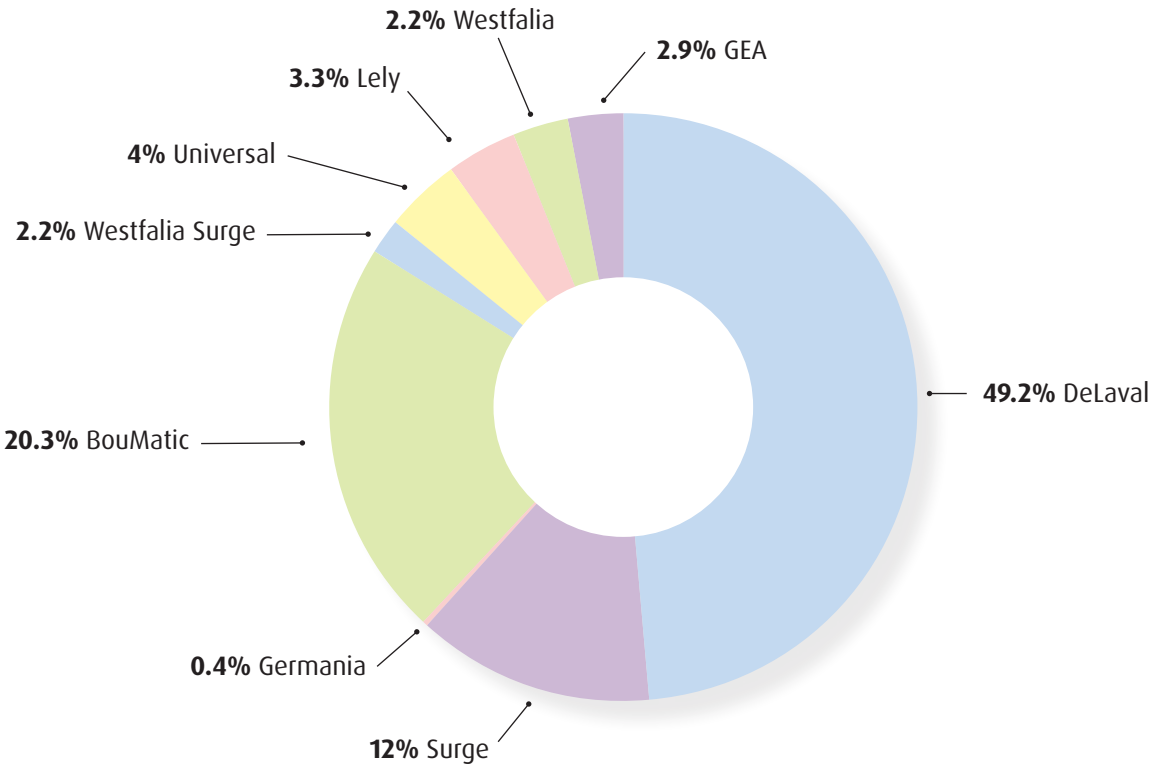
* Top animal for that breed in all Atlantic provinces.

Photo credit: Sunny Point Farms, NS: #1 Atlantic herd for HPI and #1 free-stall in Canada for 2023.

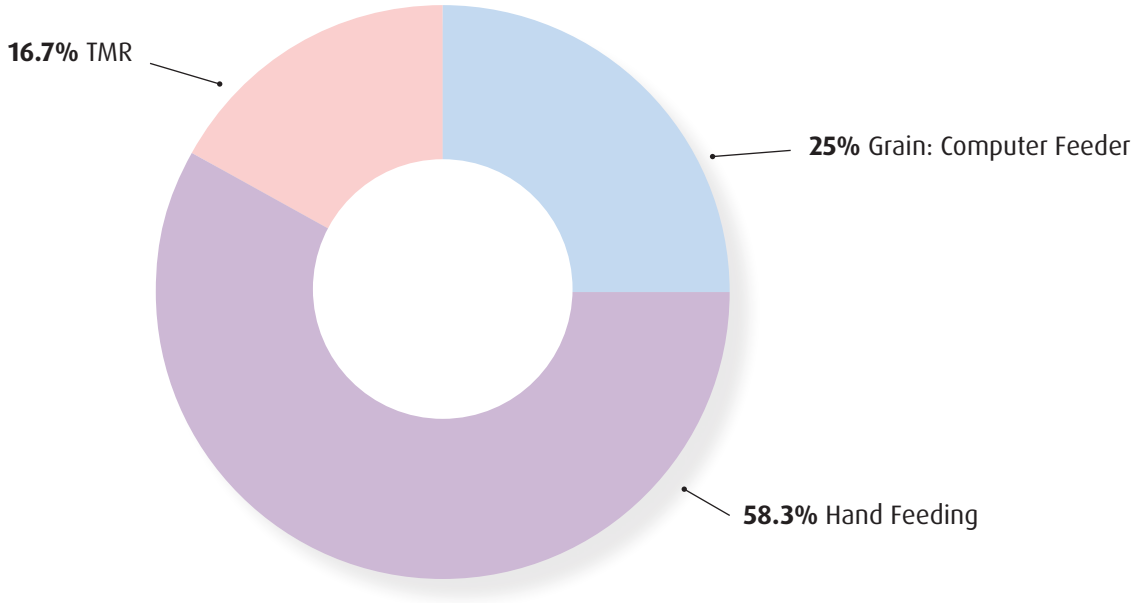
Milking System Type



Milking System Brand



Feeding System Type



Disposal Reasons

Reason	Newfoundland	New Brunswick	Nova Scotia	Prince Edward Island
Reproductive	27%	23%	27%	30%
Mastitis and/or High SCC	15%	14%	19%	19%
Feet & Leg Problems	12%	14%	14%	10%
Low Milk Production	17%	12%	12%	12%
Injury/Accident	6%	9%	10%	9%
Sickness	3%	7%	8%	10%
Udder Breakdown	6%	7%	4%	5%
Rented Out	8%	7%	1%	—
Old Age	4%	4%	2%	3%
Injury to Udder, Teats	2%	3%	3%	2%

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.

Equal to or greater than region/county or provincial average: All Publishable herds with composite BCAs equal to or greater than the average composite BCA for the province or their respective region/county/district have been printed.

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).

Region/County borders: When a farm borders two regions/counties, the Progress Report listing will be the same as the location indicated on the Provincial Milk Producer Association.

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

Publishable Herds by Province - New Brunswick

	Farm Name & Location	Records Started	Publishable Records	Avg BCA	BCA Milk	BCA Fat	BCA Protein	Milk kg	Fat kg	Protein kg	Breed
1	Clarke Farms New Canaan, NB	86	70	324.3	308	349	316	13,725	582	450	HO
2	Hazelhill Farms Sussex, NB	295	245	305.7	291	328	298	13,130	551	429	HO
3	Ravenwood Holsteins Ltd Irishtown, NB	67	55	305.7	294	322	301	13,099	530	427	HO
4	Lawrence's Dairy Farm Ltd Burtt's Corner, NB	238	180	301.3	286	315	303	12,987	530	438	HO
5	Walkerville Farms Wards Creek, NB	351	280	301.0	292	319	292	13,309	540	424	HO
6	Wesselius Holstein Farms Ltd Wheaton Settlement, NB	642	410	291.3	276	304	294	12,087	494	410	HO
7	Dairy Sweet Holsteins Ltd River-Glade, NB	333	250	284.3	270	294	289	12,224	495	417	HO
8	Bonnielm Farm Ltd Ford Bank, NB	125	108	283.3	267	297	286	11,942	495	408	HO
9	Schenkels Farms Inc Whitney, NB	280	224	282.3	267	304	276	11,982	507	394	HO
10	Beckelm Farm Second North River, NB	414	297	278.0	268	286	280	12,399	491	411	HO
11	Willie Leblanc & Sons Ltd Memramcook, NB	440	10	275.7	255	297	275	11,028	476	377	HO
12	Everanne Holsteins Norton, NB	89	74	271.0	258	288	267	11,838	490	389	HO
13	Waldow Farms Ltd Cornhill, NB	444	340	270.7	265	281	266	11,594	455	371	HO
14	Ravenwood Holsteins Ltd Irishtown, NB	24	20	269.7	272	267	270	8,106	430	304	JE
15	Grant's Brook Farms Ltd Robertville, NB	146	32	266.3	259	270	270	12,110	456	393	HO
16	Christie Farms Ltd Lynnfield, NB	70	50	265.0	258	278	259	11,928	476	381	HO
17	Creek Home Farm Salisbury, NB	59	46	264.0	252	269	271	11,544	456	393	HO
18	Lonsview Farm New Line, NB	264	115	261.0	243	279	261	11,192	477	382	HO

For Ayrshire, Holstein and Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average; all other breeds require 5.

Publishable Herds by Province - New Brunswick

	Farm Name & Location	Records Started	Publishable Records	Avg BCA	BCA Milk	BCA Fat	BCA Protein	Milk kg	Fat kg	Protein kg	Breed
19	Pascobac Holsteins Inc Belleisle Creek, NB	76	59	260.7	243	285	254	11,331	493	377	HO
20	Clearland Holsteins Searsville, NB	84	67	259.7	248	275	256	10,832	446	356	HO
21	Boreview Farms Ltd Burton, NB	74	61	258.7	244	271	261	10,906	449	372	HO
22	Roelridge Dairy Farm Ltd Mapledale, NB	149	126	255.7	251	262	254	11,408	443	368	HO
23	Ferme Cyrror Siegas, NB	167	134	249.3	256	237	255	7,646	383	289	JE
24	Samorah Farms Newtown, NB	57	48	248.7	238	256	252	10,738	427	360	HO
25	Dykstra Farms Knowlesville Inc Knowlesville, NB	225	181	244.7	238	252	244	10,858	426	353	HO
26	Ferme Republique St Basile, NB	74	57	244.0	243	248	241	8,032	337	261	AY
27	Dav Holdings Ltd Norton, NB	72	58	243.7	244	234	253	11,040	394	364	HO
28	Roy Chambers Dutch Valley, NB	33	30	243.7	240	244	247	10,619	400	349	HO
29	Overlake Holsteins Dumfries, NB	70	62	242.7	245	246	237	11,200	417	345	HO
30	Riordon Farms Ltd Pokeshaw, NB	117	97	242.3	238	259	230	8,611	384	274	AY
31	Samorah Farms Newtown, NB	12	11	241.3	236	242	246	6,842	377	271	JE
32	Lilbrook Holsteins Kinnear Settlement, NB	28	20	241.3	248	237	239	6,902	356	253	JE
33	Grants Breeder Farm Ltd Kars, NB	65	50	238.3	242	232	241	7,055	367	267	JE
34	Brilman Farms Maple Ridge, NB	221	166	237.7	226	250	237	10,177	415	338	HO
35	Leighside Farms Ltd Scoudouc, NB	142	119	237.0	218	258	235	9,896	434	338	HO
36	Harda Holsteins Norton, NB	81	52	228.3	214	242	229	9,916	416	338	HO

For Ayrshire, Holstein and Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average; all other breeds require 5.

Publishable Herds by Province - New Brunswick

	Farm Name & Location	Records Started	Publishable Records	Avg BCA	BCA			Milk	Fat	Protein	Breed
					Milk	Fat	Protein	kg	kg	kg	
37	Goodine Holsteins	56	50	226.0	217	241	220	10,476	432	336	HO
	Bear Island, NB										
38	Woodslane Holsteins	167	126	225.3	214	241	221	9,561	398	314	HO
	Nauwigewauk, NB										
39	Northtay Farms Ltd	141	123	224.7	217	233	224	10,023	398	329	HO
	North Tay, NB										
40	Cranfarm Holsteins	139	111	221.3	206	234	224	9,355	394	323	HO
	Mount Pleasant, NB										
41	Forksview Farm Ltd	56	49	215.0	209	219	217	10,179	397	334	HO
	Sackville, NB										
42	Scenichaven Farm Inc	23	18	214.0	221	205	216	6,966	351	258	JE
	Wards Creek, NB										
43	Lilbrook Holsteins	23	19	212.7	209	220	209	9,434	368	299	HO
	Kinnear Settlement, NB										
44	Haarsma Dairies Ltd	100	61	211.7	203	221	211	9,750	394	320	HO
	Norton, NB										
45	Windymount Farm Ltd	103	76	211.3	207	218	209	9,661	378	309	HO
	Lewis Mountain, NB										
46	Graham Farms Ltd	110	89	209.7	195	223	211	9,181	389	316	HO
	Good Corner, NB										
47	Dunphy Holsteins Ltd	64	51	208.7	199	223	204	9,724	404	316	HO
	Keswick, NB										
48	Bayside Ayrshires	56	52	207.0	207	207	207	7,209	297	238	AY
	Salmon Beach, NB										
49	Sigel Farm	29	22	205.3	204	206	206	9,474	356	304	HO
	Cornhill, NB										
50	Redbridge Holsteins Ltd	132	115	204.0	200	216	196	9,330	372	289	HO
	Belleville, NB										
51	Sigel Farm	30	24	204.0	202	205	205	7,655	315	272	BS
	Cornhill, NB										
52	Beaverwood Farms Inc	98	76	200.7	203	195	204	6,757	327	242	GU
	Dundas, NB										
53	Vailcreek Farm Ltd	74	43	199.0	191	213	193	8,992	373	289	HO
	Kars, NB										
54	Landslide Ayrshires	63	55	195.3	198	191	197	7,232	286	236	AY
	Mount Middleton, NB										

For Ayrshire, Holstein and Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average; all other breeds require 5.

Publishable Herds by Province - New Brunswick

	Farm Name & Location	Records Started	Publishable Records	Avg BCA	BCA Milk	BCA Fat	BCA Protein	Milk kg	Fat kg	Protein kg	Breed
55	Sugarhill Farms Ltd Passekeag, NB	45	43	195.3	190	203	193	8,650	342	279	HO
56	Scenichaven Farm Inc Wards Creek, NB	102	79	194.7	187	205	192	8,854	360	289	HO
57	Roga Farm Ltd Melrose, NB	18	11	193.3	197	182	201	5,918	295	227	JE
58	Bullsbrow Farms Oakville, NB	73	61	191.0	186	199	188	8,620	342	277	HO
59	Dykstra Farm Salisbury Second North River, NB	76	67	189.3	182	196	190	8,298	331	275	HO
60	St Nicholas Farm Mundleville, NB	44	39	186.3	178	201	180	8,494	355	272	HO
61	Elmmur Holsteins Inc McDougall Settlement, NB	41	35	186.0	183	189	186	7,982	307	259	HO
62	Hammond View Holsteins Ltd Upperton, NB	61	23	186.0	177	199	182	8,252	342	267	HO
63	Combination Holsteins Keswick Ridge, NB	91	80	185.3	179	199	178	8,438	349	266	HO
64	Prospect Acres Sackville, NB	124	102	182.0	172	187	187	6,237	279	222	AY
65	Windybrook Farm Monteagle, NB	44	41	180.7	181	182	179	8,400	312	263	HO
66	Dalling Vale Jerseys Ltd Waterford, NB	69	57	180.7	187	173	182	5,852	294	216	JE
67	Roga Farm Ltd Melrose, NB	50	39	179.7	177	180	182	8,403	315	274	HO
68	Cedar Rock Guernseys Nauwigewauk, NB	34	24	173.3	166	185	169	7,983	329	257	HO
69	Hallholm Farm Lower Millstream, NB	40	31	172.0	171	177	168	7,984	306	249	HO
70	Donnelly Holsteins Ltd Lake George, NB	46	39	166.3	165	171	163	7,949	303	249	HO
71	Cedar Rock Guernseys Nauwigewauk, NB	13	9	160.0	159	159	162	5,377	268	194	GU

For Ayrshire, Holstein and Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average; all other breeds require 5.

Publishable Herds by Province - Nova Scotia

	Farm Name & Location	Records Started	Publishable Records	Avg BCA	BCA Milk	BCA Fat	BCA Protein	Milk kg	Fat kg	Protein kg	Breed
1	Macgregor Dairy Farm Ltd Churchville, NS	349	298	341.3	325	368	331	14,662	614	475	HO
2	Cornwallis Farms Ltd Port Williams, NS	116	83	329.0	310	350	327	13,544	565	455	HO
3	Bokma Farms Ltd Shubenacadie, NS	427	339	323.7	306	345	320	13,895	580	461	HO
4	Sunny Point Farms Ltd Densmore Mills, NS	414	350	322.0	303	338	325	13,868	573	471	HO
5	Holmstein Farm Ltd Middle Musquodoboit, NS	55	50	317.7	299	344	310	13,233	567	437	HO
6	Biggs Farms Ltd Melanson, NS	176	126	315.7	302	333	312	13,394	549	442	HO
7	Linked Farms Ltd Falmouth, NS	90	20	307.3	290	315	317	13,038	527	454	HO
8	Black Avon Farms Ltd Heatherton, NS	115	93	299.3	283	320	295	12,613	529	419	HO
9	Bekkers Farm Inc Antigonis, NS	138	105	291.7	274	310	291	11,967	504	406	HO
10	Dalhousie University Agr Campus Truro, NS	43	39	286.0	267	303	288	12,088	506	414	HO
11	Braeview Farms Ltd Densmore Mills, NS	54	46	285.0	277	294	284	12,783	503	416	HO
12	Curry Knoll Farms Ltd Wolfville, NS	67	48	284.7	262	310	282	11,382	499	390	HO
13	West River Holsteins Antigonish, NS	132	111	284.7	269	304	281	11,743	493	391	HO
14	Trivee Farms Ltd St Andrews, NS	100	86	282.7	267	299	282	12,430	516	418	HO
15	Ballam Farm Ltd Shubenacadie, NS	295	224	281.7	276	285	284	12,418	477	407	HO
16	Fort Lands Farm Ltd Fort Ellis, NS	85	69	278.0	256	297	281	11,507	495	402	HO
17	Folly River Farms Ltd Debert, NS	105	58	277.7	263	299	271	12,685	537	416	HO
18	A & J Bent Farms Ltd Lawrencetown, NS	146	114	275.3	263	292	271	12,142	497	397	HO

For Ayrshire, Holstein and Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average; all other breeds require 5.

Publishable Herds by Province - Nova Scotia

	Farm Name & Location	Records Started	Publishable Records	Avg BCA	BCA			Milk	Fat	Protein	Breed
					Milk	Fat	Protein	kg	kg	kg	
19	Bekkers Farm Incorporated Antigonish, NS	25	13	275.0	280	258	287	8,125	410	316	JE
20	Musqie Valley Farms Middle Musquodoboit, NS	9	6	274.3	269	281	273	8,249	432	296	GU
21	Pine Haven Farms Ltd Oxford, NS	79	68	272.0	270	272	274	7,992	434	307	JE
22	Greenough Family Farms Newport, NS	39	29	271.3	251	297	266	11,348	496	382	HO
23	Bayview Dairy Farm Ltd Mabou, NS	115	102	269.7	255	286	268	11,597	481	388	HO
24	Lellavan Farms Maitland, NS	196	134	269.0	256	285	266	11,729	482	385	HO
25	Lindenright Holsteins Antigonish, NS	138	124	267.7	254	289	260	11,438	484	373	HO
26	Patterson Farms Ltd Wolfville, NS	54	49	266.7	259	276	265	11,791	466	384	HO
27	Centurymac Farm Westville, NS	91	76	266.0	256	272	270	11,761	461	394	HO
28	Lindenoord Holsteins Heatherton, NS	84	62	265.7	243	299	255	10,731	491	358	HO
29	Eloc Farm Middle Musquodoboit, NS	54	49	264.3	254	276	263	11,376	461	376	HO
30	Musqie Valley Farms Middle Musquodoboit, NS	27	21	260.3	253	267	261	7,894	451	308	JE
31	Oostdale Holsteins Antigonish, NS	64	56	260.3	244	275	262	11,043	460	377	HO
32	Belcher Holsteins Ltd Lower Onslow, NS	106	82	259.0	245	271	261	11,117	456	376	HO
33	Harbourside Farms Antigonish, NS	85	69	259.0	239	277	261	10,665	457	370	HO
34	Musqie Valley Farms Middle Musquodoboit, NS	21	16	256.0	233	282	253	10,834	486	372	HO
35	Eloc Farm Middle Musquodoboit, NS	13	11	255.0	247	262	256	9,649	413	350	BS
36	Breckrow Farm Goshen, NS	22	15	250.7	236	269	247	11,140	472	369	HO

For Ayrshire, Holstein and Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average; all other breeds require 5.

Publishable Herds by Province - Nova Scotia

	Farm Name & Location	Records Started	Publishable Records	Avg BCA	BCA			Milk	Fat	Protein	Breed
					Milk	Fat	Protein	kg	kg	kg	
37	Bayferg Holsteins Bayview, NS	100	84	248.3	242	255	248	11,693	455	379	HO
38	Marshcrest Farms Inc. North Grand Pre, NS	107	88	247.7	235	258	250	10,243	417	348	HO
39	Sanhaven Farms Ltd Antigonish, NS	65	60	247.3	242	252	248	11,353	437	370	HO
40	Breckrow Farm Goshen, NS	46	36	246.7	241	247	252	8,371	355	288	AY
41	Scothorn Farms Ltd Hardwood Lands, NS	617	513	246.3	228	269	242	10,324	451	349	HO
42	Brookvilla Farms Whycocomagh, NS	92	74	245.3	233	263	240	10,998	462	359	HO
43	Sunnycroft Farms Ltd Milford Stn, NS	5	5	244.7	259	228	247	7,991	356	272	GU
44	Bidalosy Farms Ltd Beaver Brook, NS	198	148	240.3	227	259	235	10,178	430	335	HO
45	Langelaan Farms Inc Aylesford, NS	319	242	239.3	234	245	239	10,604	413	344	HO
46	Rankinville Farms Mabou, Inverness Co, NS	55	49	238.3	223	258	234	9,962	429	333	HO
47	Betula Farms North Salem, NS	63	50	238.3	225	254	236	10,377	432	346	HO
48	J & L Oostvogels Antigonish, NS	70	59	237.0	220	262	229	10,132	447	335	HO
49	Scotchill Farm Ltd James River, NS	50	48	236.3	226	247	236	10,443	421	345	HO
50	Sunnycroft Farms Ltd Milford Stn, NS	47	37	234.7	230	241	233	11,034	428	355	HO
51	Twin Maples Farm Clifton, NS	85	70	234.0	226	235	241	10,569	407	358	HO
52	Milferns Holsteins Lower Onslow, NS	14	13	232.0	234	217	245	7,104	354	281	JE
53	Churchill Bros Ltd South Chegoggin, NS	88	79	230.3	228	230	233	10,773	405	350	HO
54	Pineriver Farms Ltd Inverness County, NS	66	49	227.0	218	232	231	10,106	395	338	HO

For Ayrshire, Holstein and Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average; all other breeds require 5.

Publishable Herds by Province - Nova Scotia

	Farm Name & Location	Records Started	Publishable Records	Avg BCA	BCA Milk	BCA Fat	BCA Protein	Milk kg	Fat kg	Protein kg	Breed
55	Wilsonburg Farm Whycocomagh, NS	60	58	226.0	220	233	225	10,475	412	338	HO
56	Kennvale Farms Gaspereau, NS	78	50	225.7	219	232	226	9,854	388	324	HO
57	Curtmar Farms Ltd Fort Ellis, NS	320	230	225.0	214	232	229	9,825	394	334	HO
58	Lonelymaple Holsteins Upper Stewiacke, NS	101	74	219.7	214	226	219	10,097	395	326	HO
59	Milferns Holsteins Lower Onslow, NS	34	31	215.3	214	211	221	9,835	359	322	HO
60	Bovidae Farms Inc Falmouth, NS	59	30	212.7	211	212	215	10,065	378	327	HO
61	Carrollview Holsteins Milford-Station, NS	62	55	211.7	200	223	212	9,649	398	324	HO
62	Broad Cove Farm Ltd Burntcoat, NS	46	37	208.0	204	215	205	9,371	366	300	HO
63	Bacon Farms Ltd Amherst, NS	61	48	204.7	198	210	206	8,963	353	297	HO
64	Vanoview Farm Ltd Antigonish, NS	42	38	203.3	205	206	199	10,101	374	310	HO
65	Gleann Holsteins Antigonish, NS	61	50	202.7	200	207	201	9,077	348	289	HO
66	Curtmar Farms Ltd Fort Ellis, NS	17	11	201.3	201	190	213	5,959	307	240	JE
67	Loleaf Farm North River, NS	51	40	195.0	188	200	197	9,271	368	308	HO
68	Jezebel Jerseys Lanark, NS	10	10	194.7	207	177	200	6,212	289	228	JE
69	Granvalley Farm Granville Beach, NS	32	28	192.7	187	191	200	9,090	342	308	HO
70	Riverbend Ayrshires Tatamagouche, NS	52	45	188.0	178	188	198	6,192	269	226	AY
71	Cliffside Farms Chebogue, NS	68	57	164.0	157	170	165	7,368	295	246	HO
72	Harbourfront Holsteins Lanark, NS	18	15	163.0	159	169	161	7,444	293	239	HO

For Ayrshire, Holstein and Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average; all other breeds require 5.

Publishable Herds by Province - Prince Edward Island

	Farm Name & Location	Records Started	Publishable Records	Avg BCA	BCA			Milk	Fat	Protein	Breed
					Milk	Fat	Protein	kg	kg	kg	
1	Carruthers Farms Ltd Kensington, PEI	159	124	331.3	309	350	335	13,512	566	467	HO
2	Oceanbrae Farms Miscouche, PEI	84	30	322.0	324	309	333	8,759	335	293	MS
3	Frizzells Farm Inc Hunter River, PEI	339	246	321.0	310	334	319	13,676	549	450	HO
4	Dock Road Dairy Alberton, PEI	83	71	315.7	295	342	310	12,986	559	436	HO
5	Royalwater Holsteins Mt Stewart, PEI	204	162	313.7	307	328	306	14,608	578	463	HO
6	Reeves Farm Inc Freetown, PEI	120	102	311.0	295	320	318	13,172	528	451	HO
7	Tiny Acres Holsteins Miscouche, PEI	240	193	310.7	280	347	305	12,015	552	417	HO
8	Pondsedge Holsteins Souris, PEI	424	335	300.7	287	316	299	12,801	523	426	HO
9	Red Oak Farms Oyster Bed, PEI	70	58	295.0	276	327	282	12,273	540	400	HO
10	Howardvale Holsteins Granville, PEI	380	261	289.7	267	316	286	11,563	506	394	HO
11	Tenslotte Dairy Ltd Stanchel, PEI	44	35	289.3	286	278	304	8,589	453	346	JE
12	Macbeath Farms Ltd Marshfield, PEI	136	114	286.3	274	310	275	12,603	527	401	HO
13	Karma Farms Albany, PEI	92	77	279.0	256	308	273	11,179	499	379	HO
14	Meadowhill Farms Ltd North Milton, PEI	97	80	279.0	267	286	284	12,370	493	418	HO
15	Sandyrae Farms Montague, PEI	85	69	273.3	263	288	269	12,065	488	392	HO
16	Forever Schoon Farms Vernon, PEI	96	69	268.7	268	266	272	9,466	386	315	AY
17	Extondale Farms Ltd Oyster Bed, PEI	138	101	266.3	252	289	258	11,397	484	371	HO
18	Casa Barra Farm West Cape, PEI	73	53	262.3	244	274	269	10,990	456	385	HO

For Ayrshire, Holstein and Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average; all other breeds require 5.

Publishable Herds by Province - Prince Edward Island

	Farm Name & Location	Records Started	Publishable Records	Avg BCA	BCA			Milk	Fat	Protein	Breed
					Milk	Fat	Protein	kg	kg	kg	
19	Blue Diamond Farm Kinkora, PEI	93	70	262.3	247	280	260	11,290	473	377	HO
20	Nordale Farm Richmond, PEI	154	114	260.0	246	270	264	11,165	455	381	HO
21	Tabinta Farms Mount Stewart, PEI	108	80	259.3	241	270	267	10,847	451	383	HO
22	Dandelion Farm Bonshaw, PEI	49	47	257.0	243	275	253	10,712	450	356	HO
23	Frank Macdonald Inc Crapaud, PEI	78	68	256.3	247	268	254	11,149	449	366	HO
24	Kouwenberg Farm Inc Vernon Bridge, PEI	326	272	255.3	244	272	250	10,878	450	354	HO
25	Ver-Dyk Farms Ltd Hunter River, PEI	28	28	255.3	244	273	249	8,477	391	285	AY
26	Birkentree Holsteins North Rustico, PEI	121	79	254.7	238	280	246	10,440	458	345	HO
27	Ver-Dyk Farms Ltd Hunter River, PEI	14	10	253.3	237	281	242	10,679	469	349	HO
28	Adi Dairy Inc North Winsloe, PEI	86	67	252.3	237	269	251	10,600	447	358	HO
29	Abelaine Farms Inc New Glasgow, PEI	45	33	251.0	232	274	247	10,393	455	353	HO
30	Bernadale Holstein Richmond, PEI	83	64	250.7	242	260	250	10,943	436	360	HO
31	Siegrist-Cyr Farm Abram-Village, PEI	50	43	250.7	236	267	249	10,676	449	358	HO
32	John Dennis Tyne Valley, PEI	47	39	247.0	233	262	246	10,778	449	362	HO
33	H & H Holsteins Fredericton, PEI	77	56	246.7	226	277	237	10,480	475	349	HO
34	Eastside Farm Inc Frenchfort, PEI	88	65	245.7	238	251	248	10,941	430	362	HO
35	Mactalla Holsteins Bonshaw, PEI	116	99	242.7	236	245	247	10,792	415	359	HO
36	Picturesque Farms Colman, PEI	39	38	242.3	229	257	241	10,952	455	364	HO

For Ayrshire, Holstein and Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average; all other breeds require 5.

Publishable Herds by Province - Prince Edward Island

	Farm Name & Location	Records Started	Publishable Records	Avg BCA	BCA			Milk	Fat	Protein	Breed
					Milk	Fat	Protein	kg	kg	kg	
37	Sunnymeadow Farms Inc	76	59	238.3	226	246	243	9,846	397	337	HO
	North Milton, PEI										
38	Craggan Farms Ltd	73	67	237.0	233	243	235	10,644	412	341	HO
	Marshfield, PEI										
39	Shady Lane Farms	123	101	235.7	219	262	226	10,210	453	334	HO
	Vernon Bridge, PEI										
40	Hoff Dairy Inc	51	44	234.3	225	252	226	10,180	422	325	HO
	South Rustico, PEI										
41	Macinnis Bros. Farms Ltd	39	37	232.3	226	239	232	10,508	412	343	HO
	St Peters Bay, PEI										
42	Redview Jerseys	78	63	229.3	235	218	235	6,800	344	258	JE
	Kensington, PEI										
43	Yorkton Farms	71	57	227.7	220	241	222	10,562	430	337	HO
	York, PEI										
44	Webra Isle Holsteins	97	42	226.7	216	239	225	9,623	398	319	HO
	Cornwall, PEI										
45	Prairie Family Dairy	180	131	225.7	203	260	214	8,854	422	298	HO
	York, PEI										
46	Newgreen Farms	67	52	222.0	209	238	219	9,840	413	327	HO
	Springfield, PEI										
47	Weeksdale Farm	94	53	220.7	220	222	220	10,026	376	319	HO
	Breadalbane, PEI										
48	Skyhi Holsteins	38	28	219.3	211	234	213	9,258	380	297	HO
	Springvale , PEI										
49	Gorrill Family Farm Inc	30	23	215.3	209	216	221	9,888	378	331	HO
	Tyne Valley, PEI										
50	Martin & Marielle De Backer	92	76	215.0	204	228	213	9,018	373	299	HO
	Springfield, PEI										
51	East River Farms	139	49	213.0	209	217	213	8,695	335	284	HO
	Marshfield, PEI										
52	Aldercourt Holsteins	65	59	212.0	203	230	203	9,696	408	309	HO
	Springvale, PEI										
53	Lilac Lodge Holsteins	33	26	211.3	208	215	211	9,822	376	316	HO
	North Wiltshire, PEI										
54	Gardenvale Farms Inc	53	47	211.0	201	231	201	9,601	408	305	HO
	Frenchfort, PEI										

For Ayrshire, Holstein and Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average; all other breeds require 5.

Publishable Herds by Province - Prince Edward Island

	Farm Name & Location	Records Started	Publishable Records	Avg BCA	BCA			Milk	Fat	Protein	Breed
					Milk	Fat	Protein	kg	kg	kg	
55	Macslope Farms Inc Mt Stewart, PEI	70	61	210.7	207	218	207	10,023	390	317	HO
56	Algonquin Holsteins York, PEI	54	45	207.7	200	217	206	9,799	392	318	HO
57	Echoway Farms Inc Albany, PEI	42	32	191.0	186	203	184	8,917	360	279	HO
58	Cavendish Dairy Farms Inc Hunter River, PEI	51	15	191.0	185	204	184	8,991	367	282	HO
59	Auchinleck Farms Ltd Bedeque, PEI	79	54	190.3	181	202	188	8,311	343	274	HO
60	Postma Bros Farms Ltd Kinkora, PEI	54	48	189.7	175	203	191	8,316	358	287	HO
61	Hughes Hill Farms Bonshaw, PEI	17	16	186.7	178	206	176	7,881	337	249	HO
62	Poplarview Farm Cardigan, PEI	37	21	178.7	182	177	177	5,233	204	166	MS
63	Stoney Royal Dairy Farm Ltd O'Leary, PEI	40	29	176.7	170	178	182	7,949	312	272	HO
64	Hooper Farms North Milton, PEI	60	46	165.3	159	180	157	7,903	334	249	HO
65	Driscoll Farms Donagh, PEI	63	59	161.7	160	168	157	7,397	288	231	HO

For Ayrshire, Holstein and Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average; all other breeds require 5.

Publishable Herds by Province - Newfoundland

	Farm Name & Location	Records Started	Publishable Records	Avg BCA	BCA			Milk	Fat	Protein	Breed
					Milk	Fat	Protein	kg	kg	kg	
1	Sunrise Dairy Ltd Musgravetown, NFLD	238	168	337.0	314	362	335	13,467	575	459	HO
2	N & N Farm Ltd Cormack, NFLD	329	249	294.0	284	310	288	12,717	514	409	HO
3	N & N Farm Ltd Cormack, NFLD	50	40	265.7	251	285	261	10,332	439	346	HO
4	Brophy's Dairy Farm Daniel's Harbour, NFLD	240	189	254.7	235	278	251	10,681	468	362	HO
5	Cornerstone Farm Cormack, NFLD	171	118	190.0	185	198	187	8,826	350	283	HO

For Ayrshire, Holstein and Jersey breeds, a minimum of 10 publishable lactations is required for a publishable herd average; all other breeds require 5.

2024
NEW RELEASES & WHAT'S AHEAD

Lactanet
CANADIAN NETWORK FOR DAIRY EXCELLENCE

Lactanet remains a trailblazer in innovation and by seamlessly weaving together data and interconnected products we can deliver groundbreaking solutions that empower dairy farmers to pursue the herd they desire.

Transition Management Index (TMI) - Insight Into Your Cows Transition Success

The transition period has many challenges for dairy cows, and failure to overcome those challenges could lead to poor performance and lower profitability. Lactanet's new Transition Management Index (TMI) is a tool to assess transition management practices, benchmark current programs, and monitor interventions. Accessible on MySite, the TMI interactive dashboard features cow records, annual averages, and provincial benchmarks. It also includes Key Performance Indicators and drill-down functionality on related transition management aspects such as udder health, energy status, rumen health, and dry period, to help producers and their advisors identify opportunities for improvement.

Genetic Developments

Modernized LPI

Since its launch in 1991, the Lifetime Performance Index (LPI) has evolved to mirror breed improvement goals. Lactanet is currently developing a modernized LPI for implementation in April 2025. It will be more user-friendly and reflective of the industry's current goals. Such changes include the addition of novel traits and the creation of new sub-indexes allowing producers to customize the LPI to suit their needs.

Beef on Dairy Query

The growing trend in the use of beef sire semen can be seen widely across the dairy industry. In response to this growing trend, Lactanet will be collaborating with Angus Genetics Inc. to create a new "Beef on Dairy" query tool to help dairy producers with their beef sire selection decisions.

Updates to Lactanet Mobile - Connecting Events to Performance

The Lactanet Mobile app now allows users to enter the date of an event and add notes that can assist with changes in future performance. For example, a note indicating a change on feed quality on September 27, 2024 could help explain variations in cow/herd performance. These events can also be accessed and modified by the producer and their advisors. New events and notes will then be incorporated into Lactanet's new interactive reports that will be introduced soon. For more details, contact your Lactanet technician.

DairyComp Software Enhancements

DairyComp On-the-Go

Pulse stands as the cloud-based platform that seamlessly synchronizes with DairyComp on-farm. It offers connected management, enhanced data entry capabilities, and task features accessible from mobile devices that elevate convenience and performance. Pulse now features records analysis tools that empower dairy producers with deeper insights into their herd's health and reproduction management.

DairyComp and Genetics

Recently, genetics data import functionality was added into DairyComp to equip producers with richer information facilitating even more informed decision-making regarding their animals.

A New Cowfile is Coming

Looking ahead, DairyComp will be releasing a new Cowfile format promising enhanced animal event entry and expanded data storage capacity for more detailed data recording and analysis.

Introducing ParlorBoss

In a pioneering move for Canada, we've introduced ParlorBoss, a groundbreaking tool designed to optimize efficiency in rotary parlors. By minimizing lock-up times for cows leaving the parlour, ParlorBoss helps improve cow performance and animal comfort, while simultaneously maximizing workflow efficiency.

Talk to our DairyComp support team to learn more about any of these product features at 1-888-549-4373.

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Thank You!

Thank you to our Lactanet employees that service Atlantic Canada.
Your outstanding commitment, talent, and know-how is greatly appreciated.

Byron Andrews · Clayton Brooks · Robyn Buttimer · Samantha Cameron · Hayley Cox · Stirling Dorrance
Kaley Mackenzie Gillies · John Daniel Gorrill · Autumn Gravlin · Jeffrey Gunn · Emily Ingraham · Erica Jackson
Yvonne MacIsaac · Jennifer Mutlow · Nadine Othberg · Daniel Phinney · Amy Rose · Kristin Thibodeau

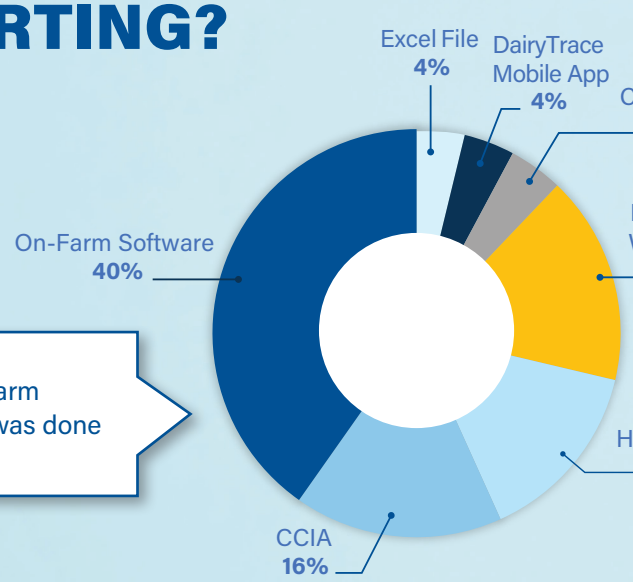
LACTANET CORE VALUES

Excellence · Innovation · Integrity · Diversity · Synergy · Leadership

DairyTrace 2023 BY THE NUMBERS

Dairy farmers from across Canada have embraced DairyTrace with tremendous growth in tag activation and event reporting. Take a deep dive into the numbers!

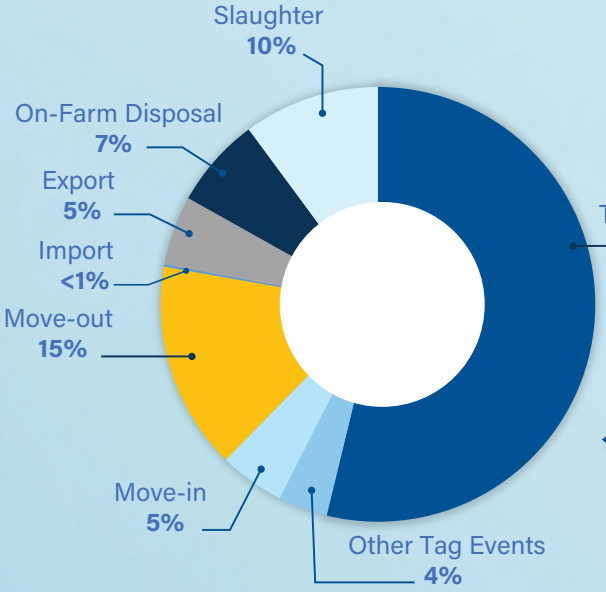
HOW ARE DAIRY FARMERS REPORTING?



97% of on-farm software reporting was done through DairyComp

DairyTrace Customer Services assisted dairy farmers with **10,000** phone calls **6,000** emails

WHAT EVENTS ARE DAIRY FARMERS REPORTING?



1.3 million traceability events were reported to DairyTrace in 2023

89% of dairy farmers are exclusively using **white** DairyTrace tags

564,466 dairy tags were sold in 2023, of which **52%** were dual tag sets

Questions about DairyTrace? Contact Customer Services

DairyTrace.ca ▪ **1-866-55-TRACE (1-866-558-7223)** ▪ **info@DairyTrace.ca**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