

infoHolstein

A Holstein Canada publication providing informative, challenging and topical news.



100 YRS
CLASSIFICATION ANS

FARM PROFILE

Syslic Farm (p. 7)

GENETICS 101:

Recessives and Haplotypes in Dairy Cattle Breeding (p. 23)

2024

ALL-CANADIAN WINNERS

(p. 13)



CONGRATULATIONS 2024 MASTER BREEDERS

AVELINE
Drayton, ON
Club: Wellington



ERBCREST
Milverton, ON
Club: Perth



KENTVILLE
Melancthon, ON
Club: Dufferin



QUALITY
Vaughan, ON
Club: York



BELFAU
Rivière-Ouelle, QC
Club: Montmagny-L'Islet-Kamouraska



FLEOLE
Saint-Casimir, QC
Club: Portneuf



LACTOMONT
Saint-Louis-de-Gonzague, QC
Club: Huntingdon-Ormstown



QUECY
Saint-Isidore-de-Dorchester, QC
Club: Dorchester



CHERRY CREST
Martintown, ON
Club: Glengarry



FRUEH
Duncan, BC
Club: Vancouver Island



MEBECK
Saint-Pie, QC
Club: Saint-Hyacinthe



ROTALY
Sainte-Hélène-de-Kamouraska, QC
Club: Montmagny-L'Islet-Kamouraska



DRAHOKA
Kamouraska, QC
Club: Montmagny-L'Islet-Kamouraska



GAELANDE
Plessisville, QC
Club: Bois-Francs



MIL-EN-ROY
White City, SK
Club: Great Plains



SARTIGAN
Saint-Georges, QC
Club: Beauce



DUTCHDALE
Lucknow, ON
Club: Huron



HEATHER HOLME
Goderich, ON
Club: Huron



OCONNORS
Ajax, ON
Club: Ontario



Join us in celebrating excellence at the 2024 Master Breeder Gala
APRIL 5, 2025 | HALIFAX, NS

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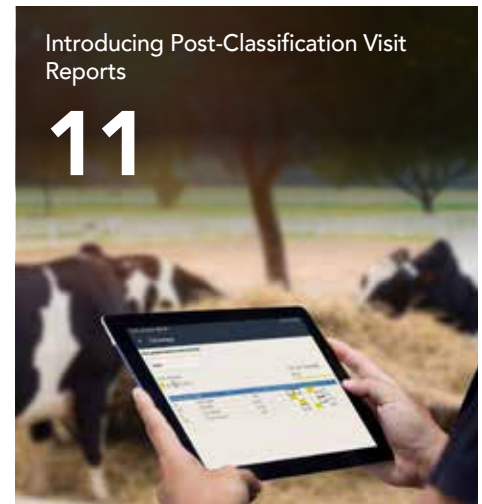
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Proud collaborative partner



Farm Profile, Syslic Farm

10 REASONS TO ATTEND

 **01. Networking**

Connect with friends new and old at the National Convention. Everyone here loves to talk cows!


Stay informed and provide input on Holstein Canada services and goals for the upcoming year at the Annual General Meeting.

02. AGM 

 **03. Dairy Tradeshow & Speakers**

Top producers always strive to learn more. Take the opportunity to learn from industry experts at Atlantic Dairy Focus.


Take home inspiration from motivational speaker Aaron Volpatti's presentation *Hard Sh*t, Finding Grit and Kicking A\$\$*.

04. Motivational Speaker 

 **05. Farm Tours**

Three exceptional farm tour options have been arranged featuring a variety of management systems and top-quality cows. Two tours also have a stop at Coldstream Clear Distillery.


Jump on the Magic Wine Bus for Annapolis Valley vineyard tours, tastings and lunch. Also see the Acadian dykelands of Grand Pré, a UNESCO world heritage site.

06. Alternative Tour 

 **07. National Show**

What is more fun than sitting ringside and choosing your favourite? Visit the National Convention Show to get a preview of this season's top prospects.

Nothing beats East Coast hospitality and we have you covered with a Welcome Reception & the East Coast Cocktail Hour, Meal and Kitchen Party hosted at the Canadian Museum of Immigration at Pier 21.

08. East Coast Kitchen Party 

 **09. Master Breeder**

Be part of the most special event in the Holstein calendar as we congratulate the 2024 Master Breeder recipients.

Halifax is known for its lively night-life, world class museums, attractions and local food and spirits. Visit www.discoverhalifaxns.com.

10. Explore Halifax 



Follow Holstein Canada National Convention on Facebook



Get information and register on the Holstein Canada website



Reserve your room today at The Westin Nova Scotian 1-902-421-1000 and request Holstein Convention rate

Registration closes
March 10, 2025

OUR DOORS ARE OPEN

April 1-5, 2025

Message from the President: Gilles Côté



Dear Holstein Canada Members,

As we step into 2025, a significant year for our Association, we celebrate our history and plan a successful future. At the heart of our successful history is celebrating 100 years of our Classification program. Envied worldwide and utilized in other countries, we are proud of this success. Part of this wonderful celebration is awarding a special presentation to herds across Canada with 100 cows or more classified as Excellent. This is a remarkable accomplishment, and we congratulate these herds on their outstanding achievement.

As we celebrate our history, we also must look to our future. Turning current-day challenges into future success is a focus of our Board of Directors. To underscore this commitment, I am pleased to inform our membership of some recent initiatives. Through the first quarter of 2025, our Board's focus is on discussing and developing a new three-year Strategic Plan for our Association. The start of this planning was a recent survey to include member input, upon which we will turn this critical input into strategic needs and plans. Throughout January, we have various focus groups for further input from members, partners, staff and the Board, ensuring we have the necessary thoughts and trends to guide our planning. It is our goal to be able to present our key strategic pillars during our AGM in April. Internally, and important to our dedication to staff and the establishment of a framework for advancing our

culture and programmatic objectives, we have engaged resources to evaluate our current status and develop a comprehensive roadmap for future priorities to ensure a successful culture within Holstein Canada and attract and retain our key personnel.

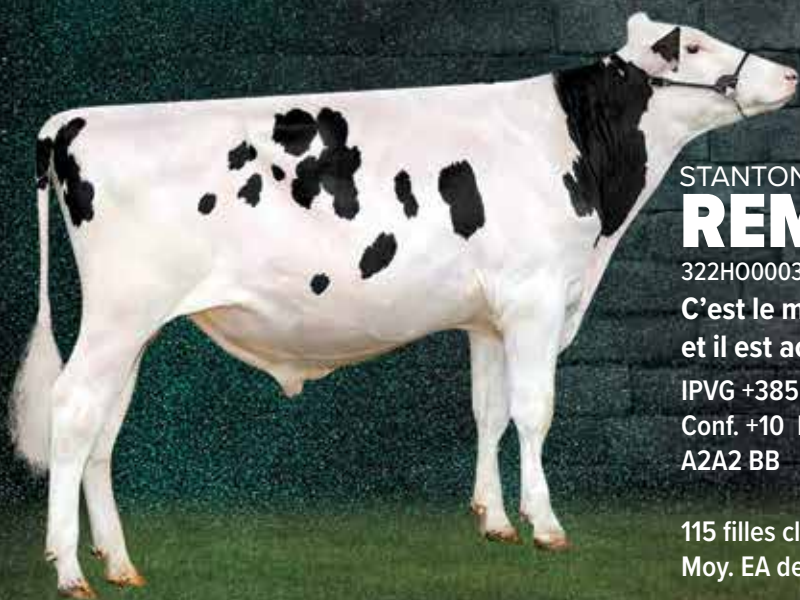
These initiatives are pivotal to positioning Holstein Canada for a prosperous future that benefits both membership and staff. They reflect the commitment of our Board of Directors to take critical action in the first quarter to set the pace for 2025. We look forward to our collaboration and sharing a successful history and an optimistic future with you.

Yours sincerely,

Gilles Côté 

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115 filles classifiées : 97 % BP et mieux (29 TB et 82 BP)
Moy. EA des filles (109) ... 33 528 lb L - 4,3 % G - 3,4 % P



STANTONS REMOVER **JELLO P** TB-86-2ANS

1-9, proj. : 36 766 - 4,4 - 1625 - 3,5 - 1274 (383-451-405) lb
IPVG +3580

STANTONS REMOVER **ROSALIE P** TB-85-2ANS

1-10, proj. : 34 079 - 4,0 - 1358 - 3,4 - 1144 (405-437-425) lbs.
IPVG +3454

STANTONS REMOVER **HONEYTIME P** TB-86-2ANS

1-8, proj. : 31 632 - 4,4 - 1393 - 3,6 - 1138 (396-468-449) lb
IPVG +3843 Vache IPVG no 8 au Canada

STANTONS REMOVER **LOVE LIES P** TB-86-2ANS

2-0, proj. : 32 386 - 5,0 - 1631 - 3,8 - 1219 (388-525-457) lbs.
IPVG +4006 Vache IPVG no 1 au Canada

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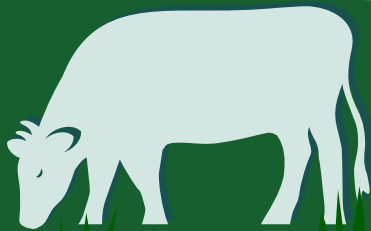
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FARM PROFILES

Quebec



By Melissa Marcoux
T.P., Extension and Education Specialist



Syslic Farm: A Passion for Breeding, Animal Welfare, and Continuous Improvement

Syslic Farm, located in Sainte-Justine-de-Newton in the Montérégie region, stands out for its family-oriented approach and commitment to agricultural innovation. Situated on the Ontario border, this farm brings together two generations: parents Sylvain Sauvé and Linda Charlebois, and their daughters Claudia and Annie-Pier. Last January, Linda transferred her shares to her daughters, officially welcoming the third generation to the helm of the business.

The farm's history dates back to the 1950s when Sylvain's mother managed a modest herd of five cows. After an accident ended his career in construction, Sylvain's father joined his wife on the farm. However, it was Sylvain who, in 1989, transformed the small operation with a modern vision. Alongside his wife Linda, he expanded the farm from 60 cows in a tie-stall barn to 100 cows in a free-stall system by the late 1990s, laying the foundation for an innovative enterprise.

Today, Syslic Farm owns 275 head of cattle, including 100 cows in milk producing a quota of 153 kilograms. The herd also includes replacement heifers, dry cows, and about 50 beef animals destined for meat production. These are the result of Holstein x Angus and Holstein x Wagyu crossbreeding, a strategy that meets the growing demand from a discerning local clientele seeking high-quality meat.

The family farms about 600 acres, 200 of which are dedicated to corn silage. Other crops include alfalfa, grain corn, soybeans, and various cereals such as wheat, barley, and rye. This diversity ensures the farm's self-sufficiency in feeding its herd while maintaining high standards of sustainability and productivity.

Animal welfare is a top priority for the Sauvé family. The animals enjoy optimal conditions, including balanced and precise nutrition, proper ventilation, clean bedding, and strict sanitary management. Vaccinations, fly control, and regular facility

Quick Stats

OWNERS: Sylvain and daughters Claudia and Annie-Pier Sauvé

PREFIX: Syslic

OF COWS: 275 animals total with 100 cows in milk

FACILITY TYPE: Free-stall double-six herringbone milking parlour

HERD PRODUCTION AVERAGE: 11,500 kg of milk with 4.4% fat and 3.6% protein

FEEDING SYSTEM: TMR with auto-ration

OF ACRES FARMED: 600 ACRES

OTHER BREEDS IN THE HERD: A couple Brown Swiss, a couple Lineback and 50 beef calves

HOLSTEIN CANADA SERVICES USED: Registration, Classification and some Genomic Testing

maintenance contribute to the overall health of the herd.

Since her return to the farm, agronomist Annie-Pier has been overseeing calf management. She has introduced modern practices for managing replacement heifers, such as using a Milk Taxi and increasing milk feedings to up to 13 litres per day. The Milk Taxi ensures consistent feeding in terms of concentration and temperature, reducing the need for medication and significantly improving calf health. This approach has also led to long-term performance gains - the heifers' calving age average has dropped from 24 to 22 months, with noticeable improvements in their production and conformation. These results are validated during Holstein Canada's classifier visits, which always highlight the herd's ongoing progress.

Classification plays a crucial role in the farm's genetic management. The data collected guides bull selection to enhance conformation—especially feet and legs—and production, particularly in terms of components. With the anticipated arrival of milking robots, functionality criteria for robotic systems are also becoming more strategic.

Cow classification and access to extensive genealogies under their farm prefix fill the Sauv  family with pride. Seeing classifiers appreciate their cows reinforces their sense of achievement and validates their efforts to maintain an excellent breeding program. Personal preferences, such as incorporating red factor genetics, also influence their



breeding strategy. The family enjoys the added colour diversity in their herd! Using sexed semen for their best cows exemplifies their innovative approach. This strategy, combined with their focus on animal welfare, has increased the herd's longevity. Today, 38% of cows are in their third lactation or beyond, compared to 28% previously.

The current infrastructure includes a 25-year-old double-six herringbone milking parlour, but a modernization project is planned for 2026-2027. The construction of a new barn with robotic milking systems aims to enhance both animal comfort and operational efficiency, as the current building has reached its capacity. This change will allow the team to focus more on herd management and ensure consistent milking regardless of the season.

Teamwork is another essential pillar of the farm's success. While Claudia and Annie-Pier have distinct and well-defined roles, they remain interchangeable to ensure optimal flexibility and efficiency. Open and proactive communication among all team members—including foreign workers Marvin and Jo l—prevents conflict and ensures harmonious management. Decisions are made in consultation with Sylvain and Linda, who support their daughters' innovative projects

while providing valuable experience.

Despite its successes, Syslic Farm faces challenges, particularly in human resource management. The integration of robotics offers a solution to reduce workload and allow the team to focus on higher-value tasks. As Annie-Pier notes, her passion lies in animal management, not employee management.

Looking ahead, Syslic Farm plans to maintain its self-sufficiency in feed production and continue breeding its own replacement animals while striving for continuous improvement in all areas. Collaboration with Holstein Canada will remain a central focus to preserve the quality and genetic diversity of its herd.

From a humble family herd to a modern operation, Syslic Farm has become a model of innovation and sustainable management. With their dedication, passion, and ability to innovate, Sylvain, Linda, Claudia, Annie-Pier, and their team are well-positioned to tackle the challenges of tomorrow. This family dairy farm embodies an inspiring vision for the future of agriculture in Canada. 🇨🇦

Bokma Farms: A Masterclass in Precision Dairy Farming

By Claudia Perdomo, Field Service Business Partner – Atlantic Canada

Nestled in the rolling hills of Shubenacadie, Nova Scotia, Bokma Farms spans 800 acres of fertile land, embodying a harmonious blend of tradition and innovation. Established in 1950 by Nick Bokma's grandfather, a Dutch immigrant, the farm has evolved from a modest tiestall operation into a state-of-the-art dairy enterprise. Now managed by the third generation—Nick and Luke Bokma, alongside their brother-in-law Doug Stone—its operations are powered by seven DeLaval robotic milkers designed to manage 350 cows with efficiency and precision.

At the heart of Bokma Farms' philosophy is a commitment to sustainability, animal welfare, and the belief that “if we take care of the cows, the cows take care of us.” Deep-bedded sand stalls and advanced ventilation systems create a five-star hotel experience for the cows, ensuring their comfort and well-being. Simultaneously, practices like erosion control and nutrient management preserve the land for future generations. “We’ve been blessed with so much,” Nick reflects. “It’s our responsibility to care for what we’ve been given—our animals, our land, and our family”. These investments are not simply about aesthetics but are strategic, ensuring


cows remain in peak condition, which, in turn, drives results.

A cornerstone of Bokma Farms' approach is its use of data and technology. Tools like DeLaval's herd management systems provide insights into cow health, reproductive performance, feeding patterns, and productivity, helping the Bokmas make decisions rooted in precision. Monitoring tools enable early detection of subtle changes in a cow's behaviour or reproductive status, ensuring timely interventions that prevent larger issues. For example, these tools track progesterone levels to pinpoint optimal breeding windows, allowing for efficient and accurate reproductive management. This fast response system extends to identifying health risks such as mastitis, ketosis, or MUN'S, upkeep both cow welfare and farm productivity. “Farming isn't a guessing game anymore” Nick observes. “With the data we have, we're making informed decisions that position our herd for long-term success.”

Milk recording through Lactanet is another essential tool in their arsenal. By analyzing detailed metrics on milk components such as fat percentages, protein percentages and

lactation performance, the Bokmas can align their breeding strategy with market demands and herd goals. This granular level of insight ensures that every cow's potential is maximized. The ability to objectively evaluate performance removes much of the uncertainty in breeding and management, allowing the farm to operate with a clarity that has become their hallmark.

Genetics is where Bokma Farms truly stands out, driven by a breeding strategy that prioritizes the herd's specific needs over fleeting trends. Central to this is Nick Bokma's commitment to corrective mating, a practice that goes beyond addressing flaws to strategically enhance the balance and robustness of the herd. Taking a hands-on approach, Nick carefully analyzes pedigrees and production histories to ensure that each bull aligns with the farm's long-term genetic goals. “The numbers have to make sense in the context of the pedigree,” he explains, reflecting his meticulous process. This dedication to thoughtful breeding enables the Bokmas to continually advance their herd while ensuring essential characteristics like milk flow, structural soundness, and reproductive efficiency, as a defining feature



Bokma Farms spans 800 acres of fertile land, embodying a harmonious blend of tradition and innovation.

of their operation. This is not about quick gains but about creating a herd that is sustainable in its performance and structure.

The Bokmas place significant emphasis on the cow families they have carefully introduced into their herd over the years. Investing in animals from elite genetic lines is more than a recognition of pedigree—it is a deliberate strategy that drives their ongoing advancements.

These families provide a dependable foundation, and through meticulous selection and management, the Bokmas have cultivated a herd designed for continual progress. Nick highlights the critical role of genetics in this process, stating, “You can be the best manager in the world, but a cow’s genetic potential sets her limits. Genomics allows us to push those boundaries.” Each new generation reflects thoughtful breeding decisions and steady improvement, achieved through the combined use of genomic testing and classification.

Classification, provided by Holstein Canada, serves as the farm’s genetic compass. Nick refers to it as their “breeding report card,” a vital evaluation that highlights the herd’s strengths and areas for improvement. This process is not a formality but an integral part of their breeding program. When the classifier arrives, the Bokmas dedicate themselves fully to the process, leveraging the insights to refine their approach further. The results are clear: a herd that not only performs but also exemplifies functionality and structural integrity.

Nick’s reflections on the role of industry organizations like Holstein Canada are insightful. While Holstein Canada provides invaluable tools such as classification, registration and genomic testing, Nick believes their impact is often

underappreciated. “There’s a huge correlation between classification and herd longevity that many overlook,” he points out. The data provided by Holstein Canada allows producers to make better-informed decisions, contributing not only to the profitability of individual farms but to the broader industry. By integrating these insights with other tools, Bokma Farm has established a model of how to use data effectively.

The strategic integration of all these elements—genomics, milk recording, classification, and advanced technology—creates a system that is both dynamic and stable. Each decision is part of a larger strategy, where short-term gains are balanced with long-term goals. Central to this approach is the Bokmas’ proprietary index, which combines data collected from multiple sources, including robotic milkers, milk recording, and classification. This index allows them to rank cows based on production efficiency, genetic potential, and

performance metrics such as milk flow rates and component percentages. By synthesizing this wealth of information into actionable insights, they ensure that their breeding and management decisions are data-driven and highly strategic. “In an industry full of data, it’s about knowing how to use it effectively to move forward, we can know easily who are the money makers” Nick explains. The Bokmas have demonstrated that progress in dairy is about thoughtful planning, a deep understanding of the herd, and a commitment to continuous learning.

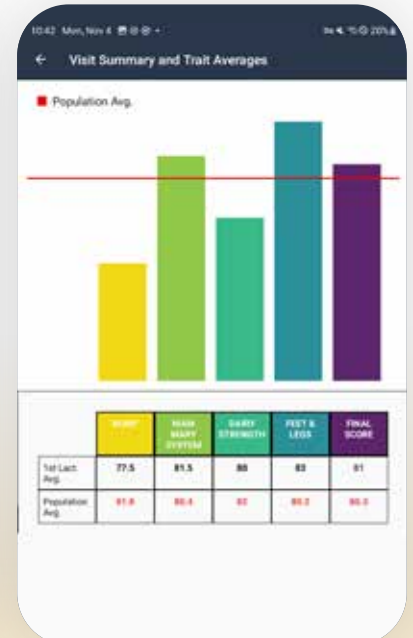
As Nick reflects on the journey of Bokma Farms, his passion for the craft is evident. “We’ve worked hard to build something meaningful,” he says. “Every decision we make is about moving forward, not just for today but for the future.” This philosophy has transformed Bokma Farms into more than a dairy operation; it is a living example of what is possible when precision, passion, and purpose come together in agriculture. 🇨🇦



Introducing Post-Classification Visit Reports

Holstein Canada is excited to announce the launch of new post-classification visit reports designed to provide dairy producers with immediate access to valuable insights from classification visits.

Following each visit, classifiers can review reports with producers directly from their tablets. These reports ensure that producers receive a snapshot of data from their visit as soon as the visit is completed. These reports provide a summary of the visit and allow you to see how animals scored in the visit compare with breed averages and ideals, additionally a summary of all animals scored in the visit will be available. With these new reports, Holstein Canada is responding to resolutions brought forward by its membership and continues to support its members in benchmarking their herd and making improvements. 🐄



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Bulls pictured, clockwise from top left:

250H017013 Aurora LONGPOINT-ET

photo by Leo Jordan

250H017212 S-S-I Zoar CASSIOPEIA-ET

photo by Leo Jordan

724H02037 Stantons OVERHAUL-P

photo by Patty Jones

724H02004 Vogue A2P2-PP

photo by Patty Jones

250H015217 Regan-Danhof CAPONE-ET

photo by Claire Swale

250H017435 Synergy KICKSTART-ET

photo by Claire Swale

724H002037 OVERHAUL-P

Validity

4001 / 78% Rel.	LPI
1101 / 82% Rel.	Milk kgs
154	CFP kgs
+11	Conformation

250H017212 CASSIOPEIA



3974 / 76% Rel.	LPI
1009 / 80% Rel.	Milk kgs
219	CFP kgs
+8	Conformation

250H017013 LONGPOINT



3920 / 78% Rel.	LPI
1107 / 81% Rel.	Milk kgs
180	CFP kgs
+8	Conformation

250H017435 KICKSTART



3795 / 78% Rel.	LPI
706 / 81% Rel.	Milk kgs
148	CFP kgs
+13	Conformation

724H0020004 A2P2-PP

Validity

3579 / 95% Rel.	LPI
368 / 99% Rel.	Milk kgs
129	CFP kgs
+15	Conformation

250H015217 CAPONE



3496 / 95% Rel.	LPI
1974 / 99% Rel.	Milk kgs
161	CFP kgs
+11	Conformation

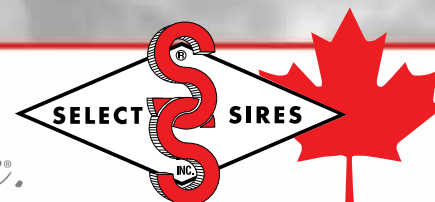
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ALL-CANADIAN 2024

HOLSTEIN



Summer Heifer

WCG MAJOR LISA
Willowcreek Genetics



Reserve:
BECKHOLM CHIEF RAVEN
Beckholm Holsteins

Honourable Mention
KENNEBEC LEMAGIC NETBOOK
Ferme SS Kennebec

DELCREEK LOYALL TO YOU - Beckridge Holsteins, Delcreek Holsteins, Jenna Masterson, Parallel Genetics and Quality Holsteins

BESLEA MASTER CAMEO - Kenlee Philips
QUALITY BECKRIDGE MAJ HARMONY - Agriber Societa Agricola Srl, Beckridge Holsteins and Quality Holsteins



Spring Heifer

LOA-DE-MEDE DESTINATION LINDOR
Loa-de-Mede Farms Ltd.



Reserve:
ARMCREST SELECT BANDANA
Jeff Stephens

Honourable Mention
KARNVIEW ENERGY MAGENTA
Karnview Farms Inc.

WINRIGHT RD DRMN LEMONADE - Brian Joseph Enright, Frank A. and Diane Borba and Riverdown Holsteins

DELCREEK FATALLY FAMOUS - Beckridge Holsteins and Quality Holsteins
VELTHUIS BULLSEYE ONEIDA - Velthuis Farms Ltd.



Winter Heifer

OCONNORS IMPACT SPICE
Jacklin, Kylie and Catie Osinga



Reserve:
MAPLEBROUGH IPASS P RHONWYN
Clarkvalley Holsteins

Honourable Mention
KINGSWAY LMBDA CATCH ME INSIDE
Velthuis Farms Ltd.

BESLEA HG BLUE SKY - Clarkvalley Holsteins
WINRIGHT SK CREME BRULEE - Brandon Almeida, Brian Joseph Enright and Frank and Diane Borba
ECHO GLEN MASTER IVY - Clarkvalley Holsteins



Fall Heifer

YELLOWSTONE TAMARA-ET
Velthuis Farms Ltd.



Reserve:
REPA DRH JEMMA TATOO
Ferme Beaudoin and Mélanie Parenteau

Honourable Mention
KAWARTHA MASTER VIOLET
Carl Phoenix and Family and Kawartha Holsteins

GOLDNFLO MASTER DRAGON - Beckridge Holsteins, Lily Beckett and Quality Holsteins
MILIBRO DETECTIVE MOUSSABEL - Clarkvalley Holsteins, Jim Butler and Michael Deaver
MILKSOURCE A TIERNEY-RED-ET - Adam Clark, Jeff and Jim Butler and Pierre Boulet



Summer Yearling

LAFORSTAR FRIDAY BULLSEYE
Beckridge Holsteins, Quality Holsteins & Agriber Societa Agricola SRL



Reserve:
UNIQUE RED-CARPET FLAIR
Clarkvalley Holsteins, Rhonda Cochrane and Tristan Rae

Honourable Mention
HENDERCROFT LAMBDA BANANASPLIT
Herbert Henderson

KINGSWAY LAMBDA TITO - Robdot Holsteins
KINGSWAY BULLSEYES COUSIN - Velthuis Farms Ltd.
PETITCLERC BULLSEYE ADALINE - Ferme Jean-Paul Petitclerc et fils inc.



Spring Yearling

ULMAR SIDEKICK ENTENSITY
Beckridge Holsteins, Pfister Dairy and Quality Holsteins



Reserve:
KINGSWAY CRUSHABULL CALL ME
Triple-T Holsteins and Timothy Cummings

Honourable Mention
PETITCLERC CHIEF ANTON
Ferme Jean-Paul Petitclerc et fils inc.

MABEL LAMBDA LOVE STORY - Ferme Kamlake and Les Fermes Boisvert
WINRIGHT LAMBDA ELLEN - Brian Joseph Enright and Diamond Hill Farms
KARNVIEW CHIEF LOVESTORY - Karnview Farms Inc.



ALL-CANADIAN 2024

HOLSTEIN



Winter Yearling

MICHERET SOUTH BELIEVE
Ferme Micheret inc.



Honourable Mention
MIBELSON LAMBDA BEA

Ferme Cerpolaît SENC, Ferme Fortale Holstein inc and Ferme Mibelson inc.

Reserve:
BETLEY LETS PARTY-RED-ET
Ferme Fortale Holstein inc, Jacob and Claire Betley, Jean-Philippe Proulx, JM Valley Holstein and Stitchs Holstein

DELCREEK GREEN JELLO - Bruce A. Johnson and Delcreek Holsteins

KAWARTHA RESET PAISLEY - Carl Phoenix and Family and Kawartha Holsteins

KAROLSTEIN COFFEE MASTER - Colton and Kendall Thomas and Mia Berry



KINGSWAY LMBDA
CATCH ME INSIDE



KINGSWAY
CRUSHABULL CALL ME



KINGSWAY LAMBDA
TITO

Junior Breeder's Herd

Kingsway Farms

Reserve: Karnveiv Farms

Honourable Mention: Kawartha Holsteins

Nominees: Petitclerc, Winright, Hendercroft



Winter Yearling in Milk

ALTONA LEA ALLIGATOR JETT
Frank Barkey and Family



Honourable Mention
MAPLEBROUGH LUGNUT ROWEN

Clarkvalley Holsteins and Pierre Boulet

Reserve:
FAIRMONT-RE-I DEBS
THUNDERSTRUCK
Breamount Holsteins and Mt. Elgin Dairy Farms

MILIBRO LAMBDA ROSELIAZA - Ferme Milibro inc.

KINGSWAY MASTER ACCOLADE - Kingsway Farms

MILIBRO LAMBDA ROSELIAZY - Ferme Milibro inc.



Fall Yearling in Milk

MISS TATOO FERN-ET
Agriber Societa Agricola Srl, Beckridge Holsteins, Marcello Ladina, Oscar and Eric Dupasquier and Quality Holsteins



Honourable Mention
BLONDIN ALPHA ANGELFISH

Blondin Sires and Ferme Blondin

Reserve:
EASTSIDE HANLEY LENNON
Hodglyn Holsteins and Matthew Forestell

MILK&HONEY IM A SEXY BABY - Elmvue Farm and Ferme Jacobs inc.

ELMCROFT AVALANCHE PIPER - Clarkvalley Holsteins and Pierre Boulet

MIBELSON D-LAMBDA LYNN - Butlerview Farm



Summer 2-Year-Old

RAYPIEN LAMBDA ADOU
B. Lehoux et fils inc. and Ferme R. Therrien et fils inc.



Honourable Mention
FRAELAND BECKRIDGE BOASTFUL

Beckridge Holsteins and Fraeland Farms

Reserve:
DESPERLE KIM LAMBDA
Butlerview Farm

COLSTEIN LAMBDA DRE - Eloc Farm, Kingsway Farms and Michael and Julie Duckett

LOVHILL BELIEVE HOTTIE - Clarkvalley Holsteins and Westcoast Holsteins

FRAELAND BECKRIDGE LIL BUTTER - Beckridge Holsteins and Fraeland Farms



Spring 2-Year-Old

GARAY LAMBDA CELINA
Butlerview Farm



Honourable Mention
BHL-I AMERICA WAVE
Crackholm Holsteins

Reserve:
WEST-ADUB LAMBDA SADIE
Jeff Butler

INTENSE DEVOUR GINGER - Westcoast Holsteins

MARTIN-VIEW DOC HOT SHOT - R & F Livestock Inc. and Walker Dairy Inc.

MYSTIQUE PERFECT ANELA - Butz-Hill Holstein, Ferme Blondin and Jean-Philippe Proulx



Winter 2-Year-Old

OLORTINE AVENGER DESIGN
R & F Livestock Inc. and Walker Dairy Inc.



Honourable Mention
BELFAST BELIEVE FANNY

Belfast Holstein enr.

Reserve:
GLEANN MASTER RESERVE
M & G Lintvedt, R. Shore, B. Verthein and Vale-O-Skene Holsteins

WALNUTLAWN LAMBDA BEYONCE - Butlerview Farms

MER-JAMES ALLIGATOR ADA - Golden Oaks Farm

ROCKY-RUN MV ARCADIA-RED-ET - Golden Oaks Farm



Fall 2-Year-Old

BENRISE MASTER BETTE MIDLER
Elmvue Farm



Honourable Mention
J-KIKO DOC FINALE-TW

Butlerview Farm

Reserve:
BOSDALE SIDEKICK
JOYSTICK
Butlerview Farm

WENDON UNSTOP ROBIN - R & F Livestock Inc. and Walker Dairy Inc.

NANDALE CHIEF KAMELLA - Delcreek Holsteins, Kingsway Farms and Raymond J. Smygway

COBEQUID C.R. BEAUTIFUL CRAZY - Jeff Butler



Junior 3-Year-Old

POPLARVALE DOC LIMEADE
Elmvue Farm and Ferme Jacobs inc.



Honourable Mention
VALRICK APPLE CRISP CERES
Elmvue Farm

T-TRIPLE-T SIDE PEACE - Colton and Kendall Thomas and Elli Cummings
FAMIPAGE LAMBDA CLANDESTINE - Crackholm Holsteins
FORTALE LAMBDA ALIYHA - Butlerview Farm

Reserve:
PIERSTEIN CHIEF ALRIGHT
R & F Livestock Inc. and Walker Dairy Inc.



Senior 3-Year-Old

JENDRO DELTA LAMBDA SANDY
R & F Livestock Inc. and Walker Dairy Inc.



Honourable Mention
SUNSPARK CHIEF SNUGGLES
Jay Ackley, Jim & Valerie Spreng

DOUBLE-G CHIEF GOLD - Hodglynn Holsteins and Little Star Holsteins
PIERSTEIN DEVOUR ROSHA - Pierre Boulet
SWEETVIEW ALLIGATOR HYSTERIA - Jay Ackley and Jim and Val Spreng

Reserve:
GOULDAHVEN ALLIGATOR EZROYAL - JM Valley Holstein, London Dairy Farms and Pat Conroy



4-Year-Old

JEFFREY-WAY HARD ROCK TWIGS
K. Doeberiner, L. Bowen and P. Conroy, R & F Livestock Inc & Walker Dairy Inc.



Honourable Mention
WELCOME HANCOCK CAMILAN-ET
Brock Liddle

JACOBS EXCALIBUR BAHAMAS - Ferme Jacobs inc.
MODO ALLIGATOR LILO - Ferme Blondin and Ferme Marilon
LOVHILL SIDEKICK KANDY CANE - Alicia and Jonathan Lamb

Reserve:
ROYALWATER PARKAVENUE DAWN
Jim and Valerie Spreng, Hodglynn Holsteins, Jay Ackley, and William Lund



5-Year-Old

LO-PINE-VA LADY CRUSH
Butlerview Farm



Honourable Mention
MIDAS-TOUCH MONTEREY 1127-ET
Crackholm Holsteins and Ferme Jacobs inc

PREMIUM APPLE CRISP LILLY - Butlerview Farm
SWEETVIEW TATOO LEGEND RAE - Sweetview Holstein
ELM BEND GOOSE BUMP - Blondin Sires and Ferme Blondin

Reserve:
ALTONA LEA UNIX HERMINIE
Dalton J. Ferris



Mature Cow

KINGSWAY DEMPSEY NORA
Elmvue Farms



Honourable Mention
VINBERT KINGBOY BIRDY
Ferme Belgarde inc., Ferme Silvercrest inc., and Ferme Vinbert inc.

JACOBS HIGH OCTANE BABE - Ferme Jacobs inc.
UNDERGROUND ADELINE - Eaton Holsteins & Glamourview - Iager & Walton
TUSC-VU AVALANCHE CALI-ET - Isaac Folts

Reserve:
HURCROFT AWE LILLYANN-RED
Oakfield Corners Dairy Show Cattle



Longtime Production

ERBACRES SNAPPLE SHAKIRA-ET
Attaboy Holstein, Ferme Antelimarck 2001 Inc., Ferme Jacobs Inc. Kilian Theraulaz and TY-D Holsteins



Honourable Mention
PIERSTEIN CICERO TIME OUT
Glenbert Holsteins.

JURICA CHANNEL LADYGAGA - Pierre Boulet

Reserve:
RACH-LEN DUNDEE LILLY
Eaton Holsteins, S. Morrill, J. Zeh & Glamourview



JACOBS HIGH OCTANE BABE



JACOBS LAMBDA LASSY



JACOBS SIDEKICK CALYPSO

Breeder's Herd

Jacobs

Reserve: Sweetview
Honourable Mention: Hendercroft
Nominees: Pierstein, Altona Lea, Bonaccueil



ALL-CANADIAN 2024

RED & WHITE



R&W Summer Heifer Calf

MALIC ALTITUDE DOUA

Ferme Malic and Ponderosa Holsteins



Honourable Mention

KARNVIEW WARRIOR ARCHER-RED

Breamont Holsteins and Mt. Elgin Dairy Farms

WINRIGHT MOOVIN TO TEXAS - Brian Joseph Enright and Jaquemet Holsteins

Reserve:
SANEXA ILLUSTR RED LAVENDER
Kenneth R. Empey Jr.



R&W Spring Heifer Calf

HARVESTACRE PAINT THE TOWN RED

Blondin Sires and Ferme Blondin



Honourable Mention

BLONDIN CHEERFUL LUST-RED

Blondin Sires and Ferme Blondin

EXTRAMILE ETERNAL OPTIMIST RED - Extramile Farm and Redlodge Farms Inc.

KINGSWAY WARRIOR LOOKOUT - Kingsway Farms and Raymond J. Smygwyat

KINGSWAY ILLUSTRATOR ABRAHAM P - Breamont Holsteins and Mt. Elgin Dairy Farms

Reserve:
KENTVILLE UNSTOPABUL AUSTRALIA
Kentville Holsteins



R&W Winter Heifer Calf

RED-VIOLET THE NORTH-RED-ET

Hailey Abraham & Ella Spiniolas



Honourable Mention

KARNVIEW WARRIOR BELL-RED

Thomas Uber

DESDION ADVANCER NOMIE - Andrew and Joel McOuat, Keaton Phoenix and Matthew McOuat

ALLARWAY REALISTS RAMIREZ - Anderson Acres and Sunny Terrace Holsteins

BUTLerview ANLYST FIONA-RED - Allarway Holsteins and Kaymanor Holsteins

Reserve:
BRISMER ADVANCER JENA
Alex Chabot, Ferme Bri-Mer inc, J-Star Holsteins and Rocky Chris Allen



R&W Fall Heifer Calf

MILKSOURCE A TIERNEY-RED-ET

Adam Clark, Jeff and Jim Butler and Pierre Boulet



Honourable Mention

BECKHOLM WARRIOR ELDERBERRY

Beckholm Holsteins

CERPOLAIT WARRIOR DOORDASH - Ferme Cerpolaite SENC

BOBMUR ALPHA NYLA - Bobmur Farms

SMYGWATYS LD APPLEBEES - Ferme Rougette inc.

Reserve:
KINGSWAY ATTICO JUSTINA
Kingsway Farms, Millen Farms, Riverdown Holsteins and Swisskess inc.



R&W Summer Yearling

MALIC ALTITUDE EVA

Ferme Malic and Ponderosa Holsteins



Honourable Mention

ALLARWAY UNSTOP LAINEY

Allarway Holsteins and Kaymanor Holsteins

CRESTMERE WARRIOR LOVESONG - Crestomere Holsteins

WAYBRU RU SUNBATHING RED - Holywell Holsteins and Radomere Holsteins

Reserve:
JOLIBOIS FRANTASTIC WARRIOR
Ferme Rolandale enr



R&W Spring Yearling

WINRIGHT BELIEVE TALLHASSEE

G & M Lintvedt, B. Verthein, R. Shore L. Griffith and Vale-O-Skene Holsteins



Honourable Mention

KARNVIEW DEVOUR JELLYBEAN

Karnview Farms Inc.

STOLHAVEN JRD ALAINA-RED-ET - Markhill Holsteins

MISS HOT AFFECTION-RED-ET - M & G Lintvedt, R. Shore, B. Verthein and Vale-O-Skene Holsteins

Reserve:
SILVERDREAM WARRIOR AMBER
Beckholm Holsteins



Reserve:
MOSNANG ILLUSTRATOR NARNIA
Lin-Den Holsteins and Mosnang Holsteins Ltd.

R&W Winter Yearling

BETLEY LETS PARTY-RED-ET

Ferme Fortale Holstein inc, Jacob and Claire Betley, Jean-Philippe Proulx, JM Valley Holstein and Stitches Holstein



MALIC ALTITUDE DOUA



MALIC ALTITUDE DAMIA



MALIC ALTITUDE EVA

Breeder's Herd

Malic

Reserve: Winright

Honourable Mention: Kingsway

Nominees: Karnview, Allarway



Reserve:
CHERRY-LOR ROBIN P-RED
Elmvue Farms

Honourable Mention
TERRYLEA JORDY JUNGLE RED
Clarkvalley Holsteins and Pierre Boulet

R&W Milking Yearling

BLONDIN ALPHA AQUILA-RED

Ferme Blondin and Ferme Lafougere inc

WESTCOAST ILLUSTRATOR SHADOW- Beckridge Holsteins and Quality Holsteins

HODGLYNN WARRIOR MARIAH- Anthony Peatling, Clarkvalley Holsteins and Heavenly Genetics

CHARWILL WARRIOR RED RUSTICO- Beckridge Holsteins and Quality Holsteins



Reserve:
ELMVUE ALT REDVELVET-RED
Elmvue Farm

Honourable Mention
J-FOLTS ARISTOCRAT JUMP-RED
Clarkvalley Holsteins and Pierre Boulet

R&W Summer & Spring 2-Year-Old

INTENSE DEVOUR GINGER

Westcoast Holsteins, Weeksdale Holsteins Inc., and T&L Cattle Ltd.

KNONAUDALE LIVING IT UP - Fairbanks Cattle Company, Ferme Blondin and Knonaudale Farms Inc.

HODGLYNN REVERE POMELLA - Breamont Holsteins and Mt. Elgin Dairy Farms

SAUDER HOLME ILLUSTRATOR MOLLY- Henry van Exel and Joey Airoso



Reserve:
ROCKY-RUN MV ARCADIA-RED-ET
Golden Oaks Farm

Honourable Mention
GOLDEN-OAKS ALEXIS-RED-ET
Hodglyn Holsteins and Raymond J. Smygwyat

R&W Junior Cow

KAMPS-RX APLB ARCHER-RED-ET

Hodglyn Holsteins

HODGLYNN ALTITUDE MADISON - Absolute Genetics, Ali Cook and Hodglyn Holsteins

LUCK-E DEVOUR AKOOZA-RED-ET- Golden Oaks Farm

KOZAK WARRIOR RED BLAZE P - Ells' Dairy Farm Ltd, Kozak Holsteins Ltd, Orville O. Schmidt and R and F Livestock inc.



Reserve:
KOZAK WARRIOR BOMBSHELL RED
R & F Livestock Inc. and Walker Dairy Inc.

Honourable Mention
ROKEYROAD MOOVIN ARTIST-RED
Elmvue Farm

R&W Senior Cow

WILDWEED WARRIOR MAUI-RED

Elmvue Farm

VALEPIERRE ARTISAN ALICE - B. Lehoux et fils inc.



Reserve:
HURCROFT AWE LILLYANN-RED
Oakfield Corners Dairy Show Cattle

Honourable Mention
PATIENCE ACRISP DARE ME
Parallel Genetics and Patience Holsteins Ltd

R&W Mature Cow

PREMIUM APPLE CRISP LILLY

Butlerview Farm

JOLIBOIS LEXING ARMY - Ferme Rolandale enr

KOZAK AUSSIE RED RIBBON P - Kozak Holsteins Ltd.

HARVDALE ADDICTION MARBLE - Harvdale Holsteins



ALL-CANADIAN 2024

JUNIOR



Spring Heifer Calf

**HODGLYNN ACTIONMAN
HARISSA**

Junior: McKenzie Howard



Reserve:
**DELCREEK FATALLY
FAMOUS**
Junior: Haylea Maitland

Honourable Mention
KAWARTHA BULLSEYE REBA
Junior: Clara Phoenix

RALANES LAMBDA SAGGS BAGS
Junior: Larissa Walker
KENTVILLE UNSTOPABUL AUSTRALIA Junior: Avery
McGriskin
SMYGWATYS LD BIKINI Junior: Colin Epps



Winter Heifer Calf

**MAPLEBROUGH IPASS P
RHONWYN**

Junior: Jaelynn Phoenix



Reserve:
SMYGWATYS SKICK ELLIE
Junior: Hailey Smygwyaty

Honourable Mention
WINRIGHT SIDEKICK CHAMPAGNE
Junior: Taylor Mathers

BESLEA HG BLUE SKY Junior: Katelyn Evans
KNONAUDALE DOJA CAT Junior: Jasmine Uhr
FARROW PERENNIAL LUCKY ABBY Junior: Weston Phoenix



Fall Heifer Calf

GOLDENFLO MASTER DRAGON

Junior: Lily Beckett



Reserve:
DUHIBOU EYE CANDY FULLKY
Junior: Audrey Labbé

Honourable Mention
HARVESTACRE HONEY IM HOME
Junior: Hannah McOuatt

PERRINRIDGE MASTER HADDIE Junior: Emma Steere
QUALITY BECKRIDGE UNIX LUSTRY Junior: Tyler Philips
COLSTEIN LEMAGIC FETCH Junior: Amber Warboys



Summer Yearling

FRAELAND MASTER LOS ANGELES

Junior: Jake Buckley



Reserve:
KINGSWAY LAMBDA TITO
Junior: Carson Edwards

Honourable Mention
JACOBS CHIEF BRINKLEY
Junior: Henry Jacobs

KARNVIEW EYE CANDY JUNE BERRY
Junior: Mitchell Anderson
KINGSWAY EYE CANDY LINCOLN Junior: Amber Warboys
VALE-O-SKENE THUNDER BIANCA Junior: Keeton Jones



Spring Yearling

STANHOW TSTRUCK GEORGETTE

Junior: Keaton Phoenix



Reserve:
KINGSWAY LEMAGIC ALICE
Junior: Ty Finley

Honourable Mention
ULMAR SIDEKICK ENTENSITY
Junior: Maddie Dixon

RAEBURN DOC ROZLYN Junior: Keith Quinn
KINGSWAY TATTOO COOL
Junior: Connor Walker
VINTAGE A2P2 ALEXIS P
Junior: Grant Barkey

ALL-CANADIAN FULL RESULTS

All results are available on
Holstein Canada's website.





Classification 100 Interview Series: A Century of Evolution

Interview with Murray Hunt, Former Holstein Canada General Manager of Genetic Improvement

This year Holstein Canada celebrates its 100th year of type classification! As a key to celebrating this milestone, we wanted to chat with some key people who have played a role in the evolution of Holstein Canada's type classification system. In this article, we will hear from Murray Hunt, formerly responsible for all aspects of the type classification program.





It all started in 1925, with the initiation of the Advanced Registration program. Advanced registration originated to provide independent conformation evaluations of bulls and cows during a time before the existence of official milk recording and artificial insemination in the Canadian dairy industry. Farmers sought third-party assessments of their animals to ensure the quality of their breeding stock and the potential traits that could be passed onto their progeny. Initially, this body conformation assessment was limited to animals selected by the owner rather than entire herds or groups, focusing solely on phenotypic characteristics and ensuring these animals had superior characteristics and did not possess certain defects that may be passed on to the next generation.

In these early years, there were several breed fieldmen across the country who would go out to assess animals. There was a form these evaluators would follow for assessing various

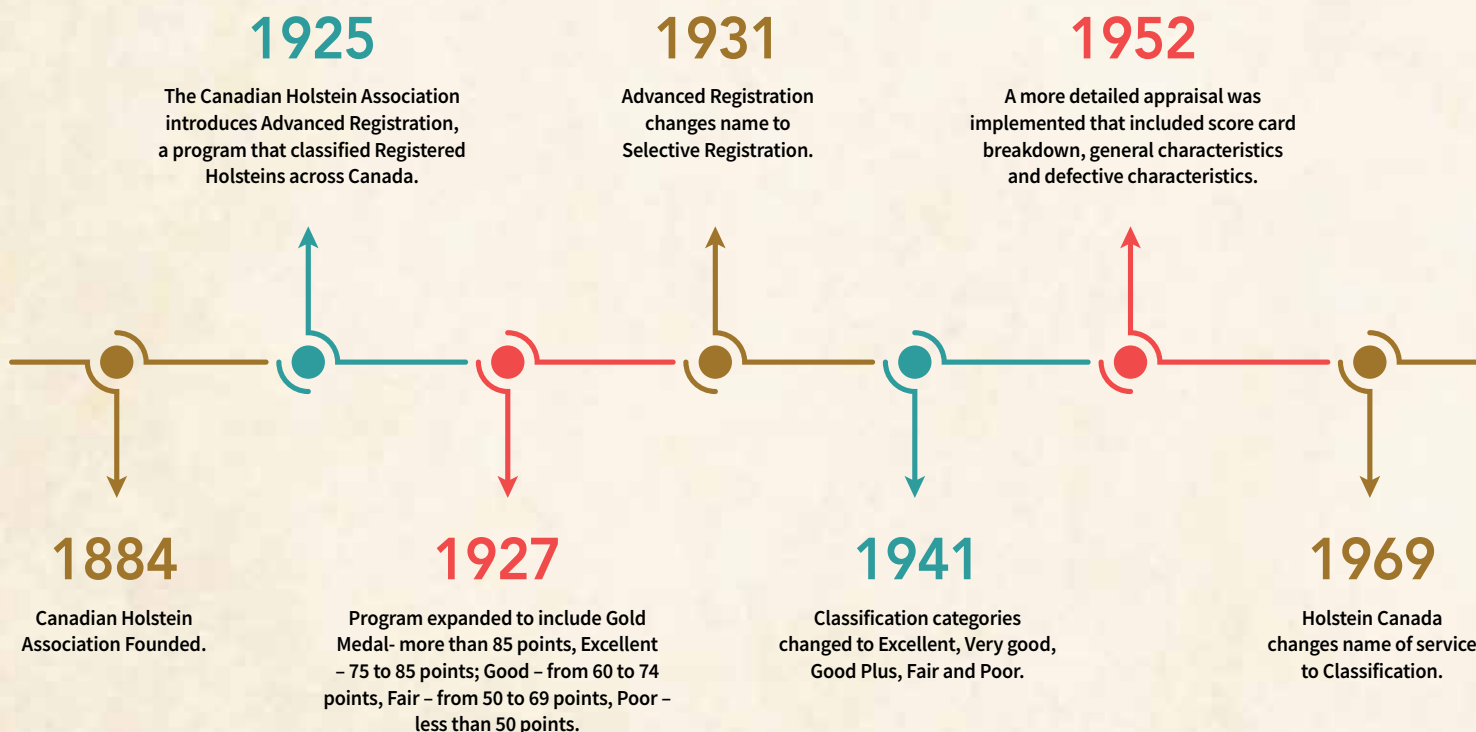
traits, but no formal guidelines had been set out for how to assess these traits properly and uniformly. Animals were assessed using descriptive words rather than being associated with any sort of number value. This led to inconsistencies in the evaluations. Therefore, this prompted Holstein Canada's staff and Board of Directors, to further evaluate the current program, and develop more formal standards and uniformity in measurements. By the 1940s more formal standards within type classification started to take shape. This need for consistency and the use of type classification itself became more pronounced with the growth of international trade in Canadian Holsteins after World War II, where buyers wanted to know the body conformation of the animals or ancestors of the animals being exported.

The Transition to Incorporating Genetic Principles

Up until the late 1940s, the type classification data being collected, based on the phenotypic assessment by the fieldmen, was primarily used by animal owners for animal marketing purposes. In the early 1950s, Dr. Claire Rennie and George Clemons (Holstein Canada's Secretary Manager at

the time) spearheaded efforts to move beyond just phenotypic observations and to incorporate genetic principles into the type classification program. This shift led to the creation of scorecards that outlined both attributes and defects. By the early 1960s, the industry started using computers to process classification data, a significant step in laying the groundwork for more sophisticated genetic analyses including bull proofs. At this time the type classification received a big boost when a bull's dam was required to classify Good Plus or higher for the bull to be eligible for registration.

However, in the early 1970s there were still classifier inconsistencies in how the traits were being evaluated and data was being reported. Therefore, when Murray joined Holstein Canada in 1973, he was tasked with shaping and advancing the type classification program. He did a lot of work reviewing and organizing the standards for evaluating traits, eventually leading to the development of the scorecards we are accustomed to today where traits are evaluated from 1 to 9. Additionally, Murray worked with experts like Dr. Ted Burnside and Dr. Larry Schaeffer, from the University of Guelph, to implement



statistical models to provide more accurate sire proofs. The shift from subjective evaluations to detailed, data-driven analysis by the early 1980s marked a pivotal moment in enhancing the accuracy of female type classification data and bull proofs for type traits.

Advances in Technology

At this point in the early 1980s, type classification data was still being collected on paper forms that then needed to be entered by personnel into computers. One cold snowy February day as Murray was waiting in the Ottawa airport for a flight back home a man sat down beside him who was dressed for being out in the winter weather and was holding a hand-held computer device. The man explained to Murray that he was using this device to collect data on trees in forests. Inspired by this field-ready computer, Murray envisioned similar devices being used by dairy classifiers. By the mid-1980s, despite initial skepticism, handheld computers became an integral part of collecting type classification data on-farm, eliminating the manual process of having to enter this data after the fact and increasing the uniformity of evaluation. This also eventually led to herd

reports being generated for each classifier visit, with these reports being able to be printed directly in the field.

Canadian Classifications Global Influence

With all the advancements that occurred in the Canadian type classification during the 1970s through to 1980s this resulted in gaining international recognition. Countries like Mexico, the United Kingdom, Japan and Australia adopted Canadian type classification practices. This global reach strengthened the reputation of Holstein Canada's type classification system and the Canadian Holstein breed itself.

Continued Improvement

Over the decades, the type classification program has continued to improve significantly. Traits like udder conformation saw remarkable enhancement, driven by breeder program usage and targeted sire selection. Additionally, new traits of economic and functional importance have been added to the type classification program. The initiation of genomic testing has also added an additional level, shifting the focus from purely phenotypic evaluations

to now including genomic information in genetic evaluations. The evolution and advancements of this program over the years have played a key role in the progression and structural changes we have seen in the Holstein breed over the years.

Holstein Canada's century-long evolution of its type classification system reflects its commitment and pursuit of excellence in the Holstein breed. Through technological advancements, genetic insights, and collaboration with breeding companies and academic institutions, Holstein Canada's type classification service has evolved into a program that is recognized worldwide. Where the breed sets the standards, classifiers accurately evaluated animals, data analysis is state-of-the-art and breeders use the information produced to improve their herds and thereby the breed. The legacy of pioneers like Murray and the continued evaluation and refinement of the type classification program have over time and continue into the future to ensure that Holstein Canada remains a leader in dairy breed body conformation improvement!

1976

Descriptive traits were calculated using 1 to 9 linear codes to describe traits from one biological extreme to another.

2005

Holstein Canada offers classification services to all dairy breeds.

2021

ConneXXion Classification App introduced for classifiers, merging classification and cattle assesment tool and moved to interactive digital reporting.

1988

Classifiers begin using handheld computer devices for scoring.

2007

First Excellent 97 female, DAVIDSONS RAIDER BRONZE and male COMESTAR LHEROS scored in Canada.

2024

Added locomotion as officially weighted trait.

Record Setting

Breeding an Excellent cow is a remarkable achievement for any breeder, but **Bosdale Farms** has truly set themselves apart. With an astounding 409 cows carrying their prefix classified as Excellent, they hold the record for the most Excellent cows ever achieved. Congratulations to Bosdale Farms on this extraordinary accomplishment—a testament to their dedication, skill, and commitment to excellence in the Holstein breed!



Record Breakers

Congratulations to the following farms for achieving the extraordinary milestone of breeding 200 or more cows under their prefix that have been classified as Excellent in Canada. This remarkable accomplishment is truly worth celebrating!



For a list of all breeders who have bred over 100 Excellent under the same prefix and scored in Canada – scan the QR Code.

Thank You

Thank you to our members and classifiers over the past 100 years for your unwavering dedication to enhancing the breed. The insights from these classification visits directly contribute to formulating precise bull proofs. While we celebrate the last century, we also eagerly anticipate the future of the program and the breed! 🇨🇦

Breeder Prefix	City	Province	# of EX
BOSDALE	CAMBRIDGE	ON	409
KINGSWAY	HASTINGS	ON	314
JACOBS	CAP SANTE	QC	308
QUALITY	VAUGHAN	ON	294
BERGEROY	SAINT-SAMUEL	QC	263
BLONDIN	SAINT-PLACIDE	QC	260
STANTONS	ILDERTON	ON	229
PIERSTEIN	MONTMAGNY	QC	227
FRADON	WOODSTOCK	ON	216
GOLDENFLO	MARSHFIELD	PEI	214
WILLSWIKK	COBBLE HILL	BC	210
HIGHVIEW	PORT PERRY	ON	201

Recessives and Haplotypes in Dairy Cattle Breeding

By Shannon Cartwright
Extension and Education Technical Specialist



With genomic testing becoming more widely used in dairy cattle breeding this opens the door for more discussions around recessives and haplotypes. Understanding what these genetic components are and how they influence dairy cattle breeding is an important factor in ensuring genetic progress continues in a herd and the breed itself. In this article, we will discuss the significance of recessive traits and haplotypes in dairy cattle and their impact on genetic selection and herd management.

WHAT IS A RECESSIVE?

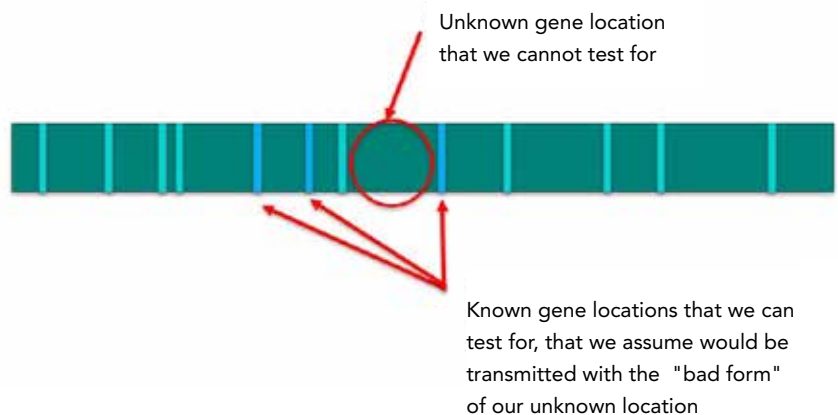
A recessive is a defective gene that when an animal carries two copies of it (one from the sire and one from the dam) the animal will express the trait. Recessive traits have been identified as having a known gene that causes them and include traits with negative consequences like Brachyspina as well as traits that may be important for your breeding decisions like A2 beta casein. This means the only way to obtain accurate information on recessives is by genotyping your animals.

WHAT IS A HAPLOTYPE?

Haplotypes are segments of DNA that have been identified as being associated with particular disorders. A haplotype differs from a recessive as it does not have a specific, known gene associated

with it, but instead has surrounding genes that have been identified (see figure below) and are often transmitted together. Therefore, haplotype results are less specific than actual gene tests. Additionally, haplotype results can change

over time as we gather more information and learn more about these specific DNA segments. Similar to recessives, haplotypes are transmitted in the same manner, where an animal must inherit two copies for the trait to be expressed.



MANAGEMENT OF HAPLOTYPES AND RECESSIVES

Since haplotypes and recessives most often result in negative consequences related to health and fertility it is important that we pay attention to these traits and manage them when breeding dairy cattle. Registering your cattle will provide you access to haplotype information on Lactanet's animal queries or Compass (which you can register for on Holstein Canada's website). Additionally, if you genomic test your animals you will get information both on recessives and haplotypes in your genomic results, with recessives being displayed on official documents. Having this information allows you to make more informed breeding decisions and avoid matings that have a high probability of resulting in affected offspring. When we don't have knowledge of an animal's genotype or its probability of being a carrier for a particular haplotype we risk the chance of these traits being passed on to the next generation. Examples of this both at the herd and breed level can be seen. At the herd level, one example of this is on farms that use a herd bull. If you had a herd bull that was a carrier of one of these conditions, cholesterol deficiency for example, and you were not aware of this, using him in your breeding program would initially result in about a 12% chance of an affected progeny from a mating and a 50% chance he would pass the affected gene to his progeny. If you were to continue to use this bull in your mating program you would start to have more carriers of cholesterol deficiency in your herd. Mating two carriers together would increase the chance of producing an affected offspring from a mating to 25% and would guarantee a 50% chance of creating more carrier progeny. Similar trends have also been seen in the Holstein breed itself with the initial discovery of many of these traits. When these traits

were first discovered we had minimal information therefore limiting the ability of producers to make informed decisions and causing the carrier rate in the breed itself to continue to increase. But as we gained more information and were able to include these traits in our genomic tests this provided producers with the information they needed to make more informed breeding decisions leading to significant declines in the carrier rate of many of these traits in the Holstein breed.

These examples highlight the importance of having information on recessives and haplotypes when making breeding decisions. It is also worth noting there is no reason you can't still use herd bulls and carrier bulls from genetics companies in your breeding

programs just ensure you have the recessive and haplotype information on both the potential sire and dam of a mating so you are making the most informed choice possible and avoid the mating of two carrier animals.

The saying "information is power" rings true when it comes to dairy cattle breeding. Having accurate information on haplotypes and recessives is imperative to managing these traits. Additionally, mating guides from AI units are an excellent tool for managing haplotypes as they automatically take this information into account and don't allow the mating of carriers to each other. This is one piece of the puzzle that will help you to maintain a healthy and productive herd and ensure you are making the best breeding decisions possible. 🐄



799H000129 *Blondin*

COSMIC



ZIPPY X VG-2YR ALLIGATOR X VG-88-3YR CRUSHABULL X EX-2* HOTLINE
BACK TO REGANCREST S CHASSITY-EX-35* AND REGANCREST-PR BARBIE-EX-92-6*



- +3496 GPA LPI**
- + Positive Components**
- +16 Conformation**
- +13 Mammary System**
- +10 Feet *and* Legs**
- +9 Chest Width**
- +7 Body Depth**
- +1 Long Teats**
- +103 Milking Speed**

Blondin
SIRE

The Art of Breeding!

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Events Across Canada

November 15, 2024:

CHILLIWACK, BRITISH COLUMBIA

Holstein Canada, in conjunction with BC Dairy and Lactanet, hosted its second Dairy Dynamics workshop in Chilliwack, British Columbia. The focus of this workshop centered around longevity and performance and the tools that can be used to achieve this and in turn improve profitability. This was another successful event, with over 50 participants in attendance. The day started with a presentation from Lactanet, Holstein Canada, and key note speaker Dr. Gordon Atkins, from the University of Calgary. Dr. Atkins touched on the value of classification and the science behind how traits in the classification system lend to creating a functional cow that produces high volumes of milk and lasts long in the herd. After lunch was a producer panel consisting of Alan Hessels (Hesdon Holsteins), Grant Bouwman (Mardelen Holsteins) and Mike Duncan (Bonnie Doone Dairy) and moderated by classifier Jill Nelson that generated great discussion between all those in attendance.



December 17, 2024:

ELORA, ONTARIO

Holstein Canada teamed up with Holstein Ontario to host its third Dairy Dynamics workshop in Elora, Ontario. This event was also a huge success with around 60 producers in attendance. The day consisted of presentations from Holstein Canada and Lactanet, followed by a producer/ AI representative panel moderated by Lactanet. The AI representatives on the panel included Dann Brady, Blondin Sires, Andrew den Haan, Eastgen and Gary Markus, Alta Genetics. Producers on the panel consisted of Martin Biljsma (Opsterlawn), Trevor Martin (Windknoll) and Jeff Krul (Krul Holsteins). There was great discussions around the value of genetics and the use of data from all industry partners in making management and breeding decisions that increase profitability. All in all it was a great day and well attended event!



Holstein Québec Forum for Managers: DRUMONDVILLE, QUEBEC

Hosted by Holstein Québec on December 5 and 6, the Forum for Managers brought together 20 participants from across Quebec for two days filled with learning opportunities. As a partner, Holstein Canada gave a presentation on optimizing replacement animals, and offered practical and strategic advice on maximizing their potential.

During the event, participants benefited from an exceptional array of expert financial and technical management skills to enhance their business vision. The panel discussion featuring François and Sébastien Leclerc, from Ferme Clerval, and Josée Naud, from Ferme Frimag, was one of the highlights of the event. Producers talked about the experiences, challenges and strategies for success that have led them along their unconventional but inspiring paths.

The Forum proved to be a unique opportunity for participants to broaden their horizons, network and leave with actionable ideas for making their farming businesses prosper. A truly rewarding and forward-looking initiative!



Holstein Canada Wants to Connect with You!



Join Holstein Canada at these upcoming events and workshops to learn more about our programs, services, and initiatives. Whether you're looking to chat with our team, ask questions, or learn more about our services, we'd love to see you there!

February

FEB 19 – 20 Congrès Holstein Québec, Rouyn-Noranda, QC

FEB 20 Southwestern Ontario Dairy Symposium, Woodstock, ON

March

MAR 4 – 7 Western Canadian Dairy Seminar, Red Deer, AB

MAR 4 Dairy Dynamics Workshop in Red Deer, AB before Seminar starts

MAR 11 – 13 Ottawa Valley Farm Show, EY Centre in Ottawa, ON

MAR 18 Dairy Dynamics Workshop in Thunder Bay, ON with Holstein Ontario

April

APR 1 – 3 Dairy Focus Atlantic, Halifax, NS

APR 2 -3 Canadian Dairy Expo, Stratford, ON

APR 1 -5 National Holstein Convention, Halifax, NS

APRIL 17 – 18 Québec Spring Show, Victoriaville, QC

May

May 17-20 École de préparation Holstein Québec, Victoriaville, QC



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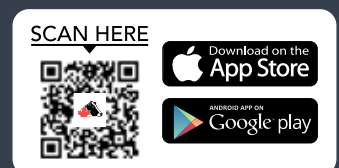
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Serving Our Members Across Canada

Meet Our Field Service Team

The Holstein Canada Field Service Team is dedicated to supporting members. This includes assistance with registration and other member-related services. For further contact information, please refer to the QR code below.



WESTERN CANADA

Toby Kleinsasser
519-865-4367



QUEBEC

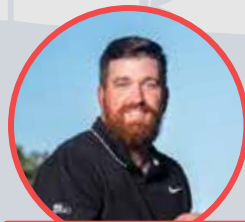
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WHO WILL BE THE 2024 *Cow of the Year?*

Here are the 29 candidates for the prestigious title of the 2024 Cow of the Year. Four finalists will be selected among them and you will be able to vote for your favourite via your web account in February until mid-March. The winner of the Cow of the Year title will be revealed on April 5th in Halifax as part of Holstein Canada's Annual General Meeting. Congratulations to the owners and breeders of these exceptional cows!

BELCHER GOLDCHIP JELLYBEAN EX-95 3E 3*

BERGITTE ASHLAR HAVARD EX-93 6E 5*

BOULET GOLD CHIP COLLY EX-93 4E 8*

CHANMAR ADONIS MISS RED EX-94 4E 4*

CYRMO JET REDI RED EX-92 5E 4*

DREWHOLME SUPERSHOT LEISURE EX-92 5E 5*

EMBRDALE EXQUISITE LAUTHORITY EX-93 3E 4*

EVERGRAZE MONETARRI DEMPSEY EX-92 7E 4*

GEN-I-BEQ BRAWLER LIZZIE EX-95 6E 18*

JACOBS FEVER CAEL EX-96 3E 8*

JOALFARMS BAXTER RIANNA EX-92 6E 3*

JOLIBOIS ABSOLUTE FANTASY EX-95 5E 5*

KARNVILLA DOORMAN REMARKABLE EX-92 4E 2*

KAROBERT SHOTTLE RHONDA EX-94 7E 5*

KINGSWAY DOORMAN WANDA EX-93 3E 4*

LACTOMONT NIKOTO SARGEANT EX-92 7E 3*

LIMBRA LAUTHORITY SMURF EX-93 4E

LINDENRIGHT SHOTTLE BRISTOL EX-95 7E 3*

LOCHDALE ZELGADIS STORMY EX-95 7E 6*

MAGAMI BOZY DEMPSEY EX-92 7E 4*

MYSTIQUE WINDBROOK MODESTE EX-92 6E

NEWMORNING BOOKEM LESTER 1922 EX-92 5E 3*

RAYD' OEX SECURE MONALIE RED EX-92 8E 3*

REPA REDDY SPECTRUM EX-93 6E 3*

RIGO BRADNICK LISANE EX-92 3E 5*

ROTALY DOORMAN SWEET EX-93 4E

ROTALY GOLDWYN ALLEGRIA EX-96 5E 5*

SUNNYPOINT 1287 ASHLAR EX-92 9E 3*

VERTDOR LAUTHORITY MATRIX EX-95 6E 13*

Criteria:

CLASSIFICATION OF

92

POINTS OR
BETTER

A MINIMUM OF

80,000

KG OF MILK
PRODUCED

A MINIMUM OF

3

STARS

A MINIMUM OF

2,500

KG OF BUTTERFAT
PRODUCTION

or, to mark the 100th anniversary of the Canadian classification program:

Classification of 92 points or better | A minimum of 80,000 kg of milk produced | Complete a minimum of 6 consecutive EX generations

For more information: mmarcoux@holstein.ca

Empowering Tomorrow's Dairy Leaders: Explore the Young Leaders Advisory Committee

Are you a passionate young dairy farmer aged 19 to 30 with dreams of shaping the future of the dairy industry? Holstein Canada's Young Leaders Advisory Committee (YLAC) offers an incredible opportunity to make your mark in the industry!

What is YLAC?

YLAC is a dynamic group of young leaders representing Canada's major regions: One from Atlantic Canada, two from Quebec, two from Ontario, and two from the Western Provinces. This committee collaborates with Holstein Canada to create programs that empower young dairy farmers. From leadership development to fostering innovation, YLAC is all about ensuring a bright future for the dairy industry.

Why Should You Consider Joining?

Becoming a YLAC member means accessing unique opportunities to:

- ✓ **DEVELOP LEADERSHIP SKILLS:** Gain the tools to lead the industry into the future.
- ✓ **MAKE A REAL IMPACT:** Be directly involved in decisions that affect young dairy farmers.
- ✓ **NETWORK WITH INDUSTRY LEADERS:** Connect with like-minded peers and influential professionals across Canada.
- ✓ **SHAPE HOLSTEIN CANADA'S FUTURE:** Play a key role in the organization's growth and direction.

The committee plays a vital role in fostering growth and engagement among young dairy leaders. It organizes regional and national events,

providing opportunities for learning, networking, and professional development. Additionally, the committee supports the Young Leaders Convention Program, contributing to its planning and execution to ensure its annual success. By managing social media channels and sharing valuable resources, the committee promotes Holstein Canada's scholarships and initiatives, strengthening connections within the dairy community.

YLAC meets in person twice a year: at the Young Leaders Convention and a fall meeting. Virtual meetings also occur during the year. Members are encouraged to participate in regional events, promote programs, and stay engaged with their peers. The time you invest will be matched by invaluable experiences and opportunities. Members serve a three-year term, with the potential for a second term, ensuring a balance between fresh ideas and experienced leadership.

Joining YLAC is your chance to drive change and innovation in the dairy industry. You'll grow as a leader, connect with a supportive community, and make a lasting impact. With limited spots available, now is the time to explore this exciting opportunity.

Learn more

Contact Holstein Canada's Young Leaders Program at youngleader@holstein.ca. Follow us on social media to learn about open positions in your area. Don't miss your chance to shape the future of the Canadian dairy industry!

**IF YOU'RE READY TO MAKE A DIFFERENCE,
YLAC MIGHT BE RIGHT FOR YOU!**

New YLAC Member Representing Atlantic Canada: Leah Newcombe

Leah grew up on a vegetable farm and did not have a background in dairy farming. However, over the past eight years, she has become deeply involved in the dairy industry. She has worked on numerous dairy farms, gaining experience in a variety of roles, including driving tractors, milking cows, and feeding calves.

Currently pursuing a degree in agriculture with a major in animal science and a minor in agricultural business management, she joined the Young Leaders Advisory Committee after thoroughly enjoying the Young Leaders Convention program in Hamilton last year. Her passion for sharing her love of the breed and industry, as well as connecting with others who share the same enthusiasm, inspired her to get involved.



Top Sires According to Average Final Score of 1st Lactation Daughters

Based on 1st Lactation Classifications September, October and November 2024

Top 10 Sires with 100+ Daughters Classified in Three-Month Period

Sire	Daughters Classified	Avg Daus Score	Avg Dam Score
LEGEND	105	82.51	82.97
CRUSHABULL	146	82.22	82.21
UNIX	176	82.11	82.64
ILLUSTRATOR-P	177	82.01	82.02
ALONGSIDE	118	81.69	81.50
A2P2-PP	222	81.30	81.32
FUEL	708	81.29	81.53
MILANO	105	81.06	81.24
LUSTER-P	296	80.95	81.46
RANDALL	403	80.93	81.56

Top 10 Sires with 30-100 Daughters Classified in Three-Month Period

Sire	Daughters Classified	Avg Daus Score	Avg Dam Score
ENERGY	53	83.36	83.81
BELIEVE P	62	82.90	83.23
LIMITED P	94	82.33	82.86
BAROLO SG	56	82.13	81.80
MANEUVER PP	56	81.75	81.70
DESTINY	64	81.67	82.42
JOHNBOY	72	81.26	81.82
MONTEVERDI	42	81.17	82.19
SOLARPOWER	95	80.93	81.27
RYDER RED	80	80.91	81.24

NOTE: Daughters are included in these statistics only if both the daughter and her dam calved for the first time before 30 months and were both first classified within the first six months of lactation. Sires listed must have >=50% of daughters that improve in score over the dam.

Top 15 Sires with the First 10 Daughters Classified in a Six-Month Period (Jun 1st to Nov 30th, 2024)

Sire Name	Daughters Classified	Avg Daus Score	Bull Proof for Conformation*
ALPHA	26	83.12	12
PERENNIAL	19	82.37	4
HULLABALOO	21	82.14	7
CYCLONE	14	82.00	11
FELLOWSHIP	10	82.00	7
ROCKSONGS	11	81.46	7
MAXIMIZE	12	81.42	4
EQ	10	81.20	6
ARMIN RC	11	81.18	4
ALTAJANEIRO	23	81.09	0
ELEVATED RED	14	81.07	3
ENGINEER	10	81.00	1
BREAKSHOT	37	80.92	11
MCINTOSH MONTROSS LYNX	14	80.86	4
TAPPENVALE MASTERPIECE	10	80.70	10

Top 10 Sires for Health and Fertility with 100+ Daughters Classified in Three-Month Period

Sire Name	Daughters Classified	Sire Health & Fertility	Avg Daus Score
SPEEDUP-P	817	659	80.2
ALMAMATER	389	632	80.0
TOTEM	271	623	80.3
HEART	102	622	80.0
HOMECOMING	109	578	80.7
LAMBEAU	319	578	79.4
ROCKNROLL	171	578	79.2
STAMKOS	217	559	79.4
REDEYE-P	129	551	79.8
ADAGIO-P	169	550	79.4

NOTE: Some bulls have a small amount of daughters in a small number of herds. *Proof may be genomic, MACE or phenotype-based.

Classification Schedule

Mid-round **MR**

FEBRUARY

ON Oxford, Waterloo
QC Dorchester

EARLY

ON **MR** Wellington, Prescott, Russell, Dundas, Carleton, Niagara, Wentworth
QC **MR** Abitibi, Témiscamingue, Bagot, Saint-Hyacinthe

MID

ON **MR** Northern Ontario, Thunder Bay, Glengarry, Stormont, Brant, Haldimand, Norfolk

QC **MR** Deux-Montagnes, Terrebonne

QC Lévis, Québec, Verchères

LATE

MARCH

QC **MR** Labelle, Papineau, Gatineau, Argenteuil

QC Bellechasse, Montmagny, L'Islet

EARLY

ON Lanark, Renfrew

QC **MR** Assomption, Montcalm, Joliette, Berthier, Maskinonge

QC Pontiac, Kamouraska

BC **MR**

MID

ON **MR** Waterloo

ON Leeds, Grenville, Grey, Bruce, Huron

QC **MR** St-Maurice, Champlain, Laviolette, Portneuf, Lac St-Jean, Roberval, Lapointe, Chicoutimi

LATE

This schedule is subject to change within a 1-2 week period.

Top 10 Sires for 305d Fat Production with 50+ Daughters Classified in Three-Month Period

Common Name	Classified Daughters	Avg Daus Score	Average 305-Day Fat	Sire Proof for Fat
JOHNBOY	82	81.3	466.8	101.0
CONWAY	190	80.7	460.3	129.0
PARFECT	113	81.3	452.8	88.0
RENEGADE	125	81.3	451.8	99.0
ALCOVE	909	80.2	447.9	124.0
LAMBEAU	140	79.4	447.6	119.0
RUBICON	64	80.5	447.5	105.0
RANGER-RED	388	81.0	445.2	87.0
ALTAWHEELHOUSE	61	79.6	440.4	106.0
ALTAHAILED	95	79.5	438.6	85.0

Note: Daughters are included in the statistics if they had their last milk test/lactation termination date beyond September 1st, 2024.

Top Sires According to Trait Section Average Score of 1st Lactation Daughters

Based on 1st Lactation Classifications September, October and November 2024

Top 10 Sires for Mammary System with 100+ Daughters Classified in Three-Month Period

Sire Name	Daughters Classified	Avg Score of Daughters	Sire Mammary System
DELTA-LAMBDA	843	83.3	9
LEGEND	141	83.1	15
CRUSHABULL	197	82.9	11
AVENGER	220	82.8	11
LIMITED P	121	82.6	10
ALLIGATOR	380	82.6	11
CHIEF	360	82.5	8
SIDEKICK	407	82.4	12
UNIX	287	82.2	8
ILLUSTRATOR-P	259	82.1	8

Top 10 Sires for Feet and Legs with 100+ Daughters Classified in Three-Month Period

Sire Name	Daughters Classified	Avg Score of Daughters	Sire Feet and legs
DELTA-LAMBDA	843	82.1	12
LIMITED P	121	81.6	13
CRUSHABULL	197	81.5	12
LEGEND	141	81.5	4
SIDEKICK	407	81.3	4
VICTOR	273	81.2	9
PARFECT	133	81.2	15
ALONGSIDE	184	81.2	9
ALLIGATOR	380	81.2	12
PICASSO-PP	108	81.1	8

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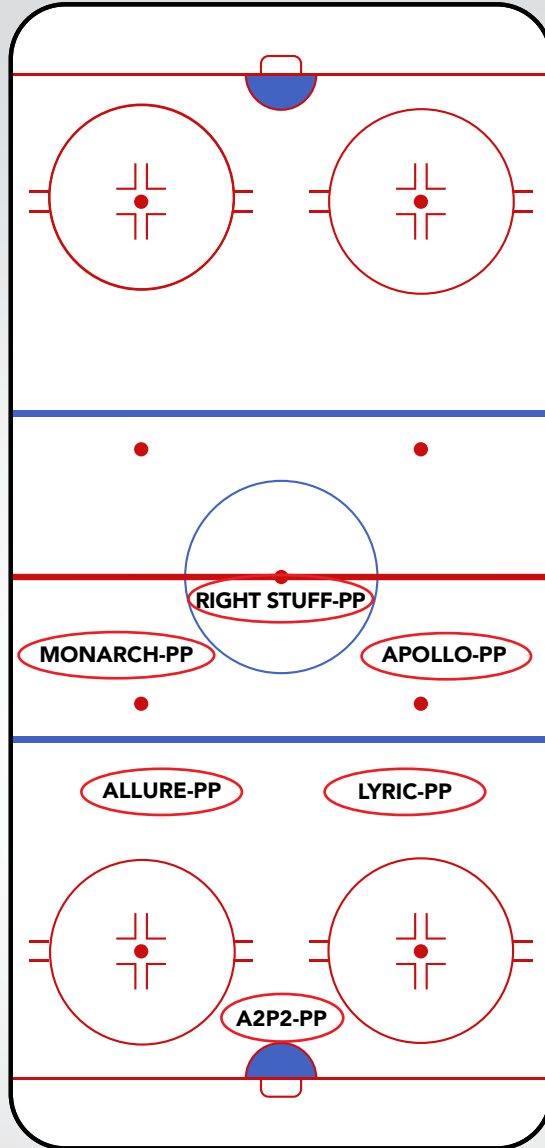
Stantons **MONARCH-PP**
724HO02041 CANM14691481 **A2A2** / BB
Remover-PP x A2P2-PP x Guarantee
+3808 GPA-LPI +124 Kg Fat +10 Conf.



Benbie **ALLURE-PP** (VG-87 2yr)
724HO02033 CANM14371765 **A2A2** / AB
A2P2-PP x Limelight x Bighit
aAa 423615
+3652 GPA-LPI +95 Kg Fat +9 Conf.



Vogue **A2P2-PP** (EX-95)
724HO02004 CANM13446574 **A2A2** / AB
Luster-P x Duke x Powerball
aAa 315246
+3579 GPA-LPI +117 Kg Fat +15 Conf.



This winning lineup averages
+3728 LPI +105kg Fat +12 Conformation
and no horns ever!



Stantons **RIGHT STUFF-PP** (VG-89 2yr)
724HO02031 CANM14062859 **A2A2** / BB
Remover PP x Bundle x Bighit
aAa 243615
+3773 GPA-LPI +106 Kg Fat +13 Conf.



Vector Fra **APOLLO-PP**
724HO02040 CANM14911360 **A2A2** / BB
Logic-PP x Allday-P x Hotspot-P
aAa 315246
+3753 GPA-LPI +98 Kg Fat +14 Conf.



Stantons **LYRIC-PP** (VG-85 2yr)
724HO02035 CANM14062925 **A2A2** / BB
Remover PP x Bighit x Montana
aAa 234165
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