valacta

FOR YOU AND WITH YOU!

THE EVOLUTION OF VALACTA ATLANTIC DAIRY PRODUCTION

2015

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A WORD
FROM OUR PRESIDENT

Pierre Lampron, Milk Producer and President

The theme that has been chosen for Valacta's 50th anniversary is For You and With You. Valacta, your centre of expertise in the Atlantic Provinces since 2008, belongs to dairy producers since in the 1990's, the dairy producers of Quebec made the choice to acquire this development tool that had been founded by Dr. John Moxley in 1966. The objective was to ensure that dairy producers remain at the center of this company which had progressed so extensively that it could no longer remain simply a program at McGill University. Along with ADLIC (Atlantic Dairy Livestock Improvement Corp.) and other milk recording agencies, PATLQ grew with more and more milk recording enrollments. At the turn of the century, the company's expertise led to it becoming the Canadian Data Processing Centre, teaming up with the other Canadian milk recording agencies. Vision2000 has been the production calculation tool for all of the dairy producers in Canada ever since. Ten years ago, PATLQ was proud to open their Board of Directors to the key players of the dairy sector (including Atlantic Provinces) and become a centre of expertise.

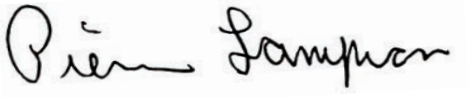
Dairy producers were faced with tough challenges coming into the year 2000, and so was PATLQ and ADLIC. In dairy farming, like society in general, expertise is becoming more and more specialized. Each and every field of intervention requires more precise knowledge: feeding, health, automation, new possibilities for dairy analysis, the adoption of technology. Through all of this, PATLQ has continued to be there for us and with us in Quebec, and always working closely with ADLIC. In these times of global thinking, in 2008, ADLIC joined Valacta to be able to add the services of a center of expertise to the milk recording services.

ADLIC joined Valacta in 2008.

The connections and partnerships between the milk recording agencies of Western Canada and Ontario grouped under the CanWest banner, and Valacta, serving East of Canada, have remained in place ever since the Vision2000 project, and will for years to come.

We, as dairy producers, continue to evolve and our centre of expertise does the same, for us and with us: the path behind us leading to what is yet to come. Be a part of our evolution, join in!

Enjoy your dairy evolution!



Pierre Lampron
Milk Producer and President

A MESSAGE
FROM YOUR BOARD MEMBER

Dannie MacKinnon,
retiring Board member,
Valacta Atlantic

I would like to start this message with compliments and congratulations to Jeff Gunn and our Atlantic staff for the excellent work they do delivering Valacta services to the Atlantic Canada dairy industry. I attended the annual staff training session in Moncton and was very impressed with the enthusiasm and eagerness of our staff to learn new approaches to better deliver the services offered by Valacta.

Also on my list of congratulations are the farms that achieved high levels on the total herd management scores. A special note goes to Sunny Point Farms in Nova Scotia who received the fourth highest score in Canada.

Atlantic Canada had a few herds that were very successful in the show rings in and outside Atlantic Canada. I congratulate those that won at Madison, The Quebec Expo and the Royal Winter Fair. I am reluctant to name names for I know I will miss someone. Congratulations on a job well done. We had three herds from Atlantic Canada that added a Master Breeder Shield to their trophy cases in 2015. Congratulations go out to Winter Bay, Lewis and Walker Vale for achieving this level of success.

2016 will see the celebration of 50 years of business for Valacta and its founding organizations D.H.A.S. and PATLQ. D.H.A.S was started by McGill University in 1966 and has since evolved into today's Valacta. It is my understanding that the DHI services in Atlantic Canada contracted services from D.H.A.S. shortly after its formation.Atlantic Canada would like to congratulate Valacta on 50 years of success and we look forward to celebrating with you and also to many more years in our relationship with Valacta.

This will be the last message from your director that I will be preparing as your Valacta Atlantic Board member. I would like to thank everyone for your support as your board member for the last eight years. It was a pleasure to be able to represent all Atlantic Canada at Valacta. It was also a pleasure to serve beside Monsieur Denis Cyr, Board observer for Atlantic at Valacta. By the time you read this there will be a new Valacta Atlantic Board member elected and I urge you to give him the support that he needs to serve you.

Regards,

Dannie MacKinnon
Retiring Board member, Valacta Atlantic

"Atlantic Canada had a few herds that were very successful in the show rings in and outside Atlantic Canada. I congratulate those that won at Madison, The Quebec Expo and the Royal Winter Fair."

A WORD
FROM THE GENERAL MANAGER

Daniel Lefebvre, Ph.D., agr., General Manager

Fate brought me into this world in 1966. Growing up on a dairy farm in Monteregie, Quebec, I, like all of you, had a firsthand view of the evolution of dairy production. Although I was still very young, I remember well when my father put the herd on test. I was immediately fascinated with all of this information that was available about each and every one of our cows: I wrote down the weights of each cow and made it a game to rank them, in anticipation of the reports which would arrive by mail several days later. I observed the « inspector » with much curiosity as he analysed for milk fat in the milk house with his Babcock apparatus (this was with the ROP). Later on, I found it very interesting to see the feed advisor use this data to make grain recommendations, so interesting in fact that I inherited the responsibility of preparing the grain mix for the herd for many years… before going on to study in dairy nutrition! To this day, I still check the herd reports after each test day and the bulk tank results even though I don't get a chance to milk the cows very often. I take great pride in this heritage from whence came both my passion for dairy production and an immense respect for dairy producers.

Milk recording itself has also changed through the years: it is no longer enough to simply measure milk fat, milk analysis allows us to draw from a wide range of useful information. We are no longer limited to using the mail to return this vital information; email, the web, software and mobile applications have now become the norm. DHAS, then PATLQ and now Valacta have always been a precursor to this extensive evolution. It is not only Dr. Moxley's heritage, but the aspirations of our owners, the dairy producers themselves including all of you in the Atlantic Provinces.

Is the sector facing significant challenges? Yes, of course! In some ways it always has, but taking leadership, means knowing that it will not always be easy! At Valacta, our passion for dairy production has been with us for 50 years and it certainly is not going to stop now, far from it! Seeing the passion in today's young dairy producers gives us confidence in the future and in the sustainability of the sector. We must remain vigilant, innovative and show solidarity. Shall we continue to work together?

"I take great pride in this heritage from whence came both my passion for dairy production and an immense respect for dairy producers."

A WORD
FROM THE REGIONAL MANAGER

Jeff Gunn, M.Sc., agr.,
Regional Manager

We are pleased to present the 2015 Valacta Atlantic Annual Report. I know many of you look forward to reading this each year from cover to cover. Our goal is to provide a good balance of relevant articles and information and, of course the herd data, benchmarks and Atlantic dairy statistics. This year, there was a great deal of interest in the Herd Management Score, as many received this score for the first time, due to changes in the way it is calculated. In March, CanWest DHI and Valacta announced the top ten herds in Canada for the Herd Management Score. I want to congratulate Philip and Lori Vroegh, family and staff at Sunny Point Farms Ltd. of Nova Scotia, who finished fourth in all of Canada. This is a tremendous accomplishment, considering that the Herd Management Score uses a scoring system that divides a total of 1000 points across 6 management areas, including: milk value, age at first calving, herd efficiency, longevity, udder health and calving interval. I also want to congratulate those herds who finished at, or near the top by county, province or region.

As we close the door on 2015, we can all agree that the dairy industry is changing rapidly. We, at Valacta, must adjust our sails and change our course as well. I believe we have already demonstrated an appreciation and willingness to embrace the changes — we have even made some significant strides. However, we know we have more to do and I am excited about the opportunities here in Atlantic.

One of the most significant changes in today's dairy industry is technology. We know that with automated milking systems come new demands and expectations from us as a milk recording agency. We are addressing this. We have heard some say that there is lots of "talk" about on-farm technology and data transfer, with very little action. We need to understand that to capture and transfer the data from the various on-farm systems that now exist takes development, testing and validation. Rest assured that we are working hard at this so that we continue to provide you with our valuable herd management reports, tools and services, in the most efficient and cost-effective manner possible. We have also heard some say that the technology is resulting in "many" producers deciding to leave milk recording. This is ABSOLUTELY not the case. In fact, here in Atlantic, we continue to maintain our market share and continue to bring more producers on milk recording. This is not only important because it allows individual producers to reap the benefits of milk recording (genetic indexes, benchmarks, etc.), but ensures that we maximize the data going into the system for the benefit of the entire industry.

Our team continues to work hard at adding value to the important services we already provide. We recognize that what we offer must start with data quality. We also recognize that the users of the data, tools and services, and the reports that are generated from these, must see the value. We know that our customers want solutions, not just numbers and facts. This is why we have hired Dr. Stirling Dorrance as an Advisor with the Atlantic team. Stirling brings 28 years of credible experience to the team and we are excited about not only the support he will bring to the technicians, but to our customers. He will work closely with producers and their on-farm experts, helping to interpret the Valacta numbers and to help find solutions. Stirling is only one month on the job as I write this, and the potential I see already is tremendous. Welcome to the Valacta team, Stirling!

We will continue to work as an organization to bring our customers new management tools. We introduced the mobile app and Gestalab (pregnancy test in milk) in 2015 and this year, we are planning a September launch of Ketolab (ketosis test in milk). I would like to sincerely thank the Prince Edward Island Analytical Laboratory, Fred

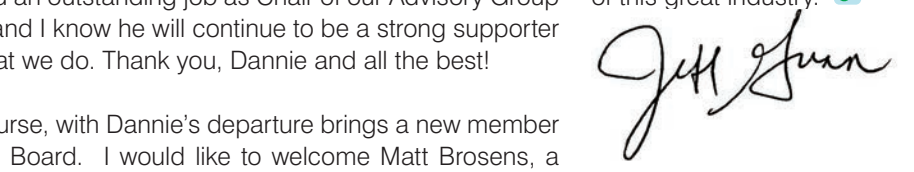
"I believe we have already demonstrated an appreciation and willingness to embrace the changes — we have even made some significant strides."

Vanderkloet (and his colleagues at the Prince Edward Island Department of Agriculture and Fisheries) and the New Brunswick Milk 2020 Group, for having the foresight to partner on this and helping to make this service happen in Atlantic Canada. We know our customers have been waiting for Ketolab and we are anxious to get it going.

I want to take this opportunity to thank Dannie MacKinnon, who has recently stepped down as a Board member, after six years. Dannie has been a tremendous resource and support for me since I started, and I am extremely grateful. He has been a champion for dairy herd improvement over the past number of years and his passion is infectious. He did an outstanding job as Chair of our Advisory Group here and I know he will continue to be a strong supporter of what we do. Thank you, Dannie and all the best!

Of course, with Dannie's departure brings a new member to the Board. I would like to welcome Matt Brosens, a producer from Cape Breton, who brings with him a keen interest in dairy herd improvement. Matt is focused on working with our Atlantic team to demonstrate to ALL dairy producers the benefits of milk recording. I look forward to working with Matt, and on behalf our Atlantic team, welcome!

In closing, we will continue to make our partnerships an important part of our mission. Strong partnerships equal progress, mobilization and engagement. There are challenges ahead. However, with challenges come opportunities and we must be united, willing to be adaptable and to embrace change. I look forward to working with many of you in 2016, as we continue to work for the betterment of this great industry.



Jeff Gunn, Regional Manager

A WORD
FROM MATTHEW BROSENS

Matthew Brosens, his wife Meghan and kids.

With my wife Meghan, I milk around 40 purebred Holsteins and Jerseys on our farm, in Skye Glen, Cape Breton. We are relatively new to the dairy business, since we have only had our current farm for three years, although I have been involved in the dairy industry with 4-H and work experiences since I was a kid.

Previously, we lived in Ontario where I was a Crop Consultant and also had a farm raising 200 sheep. I have an Agriculture Diploma from the University of Guelph Ridgetown Campus and a lot of experience in all aspects of farming with a focus on efficiencies and business development for the dairy industry. I am also a director of the Inverness Victoria Federation of Agriculture and was a director for Dufferin County 4-H in Ontario.

I am hoping to bring a fresh perspective to the Board as I am a young dairy farmer. I believe in our industry and will really enjoy being a part of keeping the Atlantic dairy producers moving forward with Valacta. Valacta is the front runner in on-farm data collection and analysis, this along with their advances in technology such as GestaLab and Valacta Mobile will continue to lead producers into a prosperous future.

VALACTA WITH YOU AT...

THE DAIRY FOCUS EVENT

A great turnout at the Dairy Focus Event: lots of networking and discussion with producers from all four Atlantic Provinces.

THE ATLANTIC YOUNG BREEDERS SCHOOL (AYBS)

Ed Frazee, Business Coach, explains the power of milk recording at the AYBS in Truro.

THE COW COMFORT WORKSHOPS

The first Cow Comfort Workshop held on October 20th, 2015, in Deer Lake, Newfoundland. Nine more were given after that in the four Atlantic Provinces.

MANAGING CASH FLOW
IN TIMES OF FALLING MILK PRICES – WORKSHOP SERIES

Workshop in Truro with Jean Brisson. Thanks to Dairy Farmers of Nova Scotia for the room, coffee and snacks!

Workshop in Sussex. Great turnout, fabulous discussion around the table.

Workshop in Skye Glen, Cape Breton in April. From left to right: Matt Brosens, Dairy Producer and Valacta Board Member, Yvonne MacIsaac, Dairy Production Technician, and Jeff Gunn, agr., Regional Manager.

CONSIDER FOOT HEALTH BEFORE STARTING THE MILKING ROBOT

By Gervais Bisson, agr., Dairy Production Expert - Milking Robots, and Steve Adam, agr., Dairy Production Expert - Animal Comfort, Behaviour and Well-Being, Valacta

Gervais Bisson, agr.,
Robot Expert, Valacta

The move to robotic milking requires some major adjustments on the part of both the producer and the cow. Switching from tie-stall housing to free-stall housing is one such change, but adapting to a new floor surface is another change that requires focusing on foot health as a matter of priority.

When the robotic milking system goes into operation, the cow's hooves are the first part of the animal's body to come in contact with the floor of the new barn. Unfortunately, hoof problems are often the first sign that a cow is having difficulty adapting to a new environment. An animal transferring from tie-stall housing to a free-stall setup is already adjusting to having to move about to meet her needs, so lameness will inevitably make her less inclined to walk to the milking robot or the feed bunk, resulting in a rapid decline in milk production. So how do we minimize lameness in the first weeks after starting robotic milking? The key factors are preparing the cows' hooves for the transition and making sure that the floor surface provides good traction while causing minimal sole damage.

Preparing hooves for robotic milking

Ideally, a cow should spend 12 hours a day resting, which means the remainder of the day is spent standing or walking. The start of robotic milking will have a significant impact on a cow's feet because she will need to move around to eat, drink and be milked instead of spending the whole day in the same stall. This initial phase will be taxing, not only for the animal's hooves but for her entire muscular system as well. Supplements such as zinc methionine or biotin are recommended to improve claw horn quality and should be incorporated in the cows' ration three to six months prior to starting robotic milking. Talk to your feed supplier to determine the recommended dosage for your herd.

The veterinarian's perspective

André Clavet, Veterinarian, LocoVet Service & Bureau vétérinaire B. St-Pierre

Dr. André Clavet, a veterinarian with extensive expertise in hoof trimming, collaborated in the development of Valacta's 2016 training session, *A Step Ahead.* Here are some of his recommendations aimed at

facilitating an upcoming transition from tie-stall housing to a new facility equipped with free stalls and a robotic milking system.

TAKING STOCK

Dr. Clavet points out that the months before starting robotic milking are a good time to assess lameness in the herd. He recommends making a list of the cows that are showing signs of lameness and keeping records of any information pertaining to foot health treatments. These records provide valuable information about the state of each individual cow as well as the different types of lesions and their prevalence in the herd. It is important to treat as many cases of lameness as possible to ensure the animals' feet are in top condition when the herd is transferred to the new barn.

HOOF TRIMMING

Regardless of who is doing the hoof trimming – a veterinarian, a professional hoof trimmer, or the herd owner – it is important to avoid removing too much of the sole. The last hoof trimming should be scheduled at least six weeks prior to the start of robotic milking. The general recommendation is to preserve the heel. Dr. Clavet also underlines the importance of maintaining a thicker sole before switching to robotic milking. New concrete is often abrasive and the sole can wear down quickly. Cows with a normal gait will put their heels down first, but once transferred to a new building their behaviour becomes similar to that of heifers put on pasture. They tend to walk more to explore their environment and establish a hierarchy within the herd. Excessive sole wear can lead to hoof lesions such as toe ulcers, and the problem may be exacerbated when sand is used as bedding.

PROFESSIONAL TIP

When initiating robotic milking with small groups of 15 to 20 cows, Dr. Clavet recommends temporarily confining the cows to a smaller area of the barn. Barriers can be set up to reduce the space available. The cows will thus spend less time walking, with less wear on the soles.

IMPORTANCE OF THE FOOT BATH

Herds housed in tie stalls will need to become accustomed to foot baths, which are used to control the transmission of digital dermatitis. In herds where more than 15 per cent of the animals are affected by digital dermatitis before the shift to robotic milking, the foot bath must be operational as soon as robotic milking begins and should be used three days a week. In herds with fewer cases, a weekly foot bath is generally sufficient. Digital dermatitis must be rigorously controlled to prevent the few contagious cows in the herd from contaminating the others. In the first few weeks after the transfer, farmers may note that some of their cows are unable to adapt to this new lifestyle or that the conformation of their mammary gland is unsuited to robotic milking. These cows will need to be replaced, and it is important to remember that introducing new cows into the herd increases the risk of spreading digital dermatitis. Dr. Clavet stresses that lameness management must be a matter of priority in a robotic milking system, since reduced milking for an individual cow is almost always linked to some form of lameness.

Good planning is paramount!

Planning a shift to robotic milking is important on a number of levels, particularly in respect of foot health. Lameness at the start of robotic milking increases the stress of the transition, which compounds the already considerable workload and quickly leads to a decrease in production. Ensuring proper hoof care prior to starting the milking robot and choosing a less abrasive surface that provides good traction are considerations the will undoubtedly increase the chances of a successful transfer to robotic milking.

"Unfortunately, hoof problems are often the first sign that a cow is having difficulty adapting to a new environment."

BENCHMARKS - MILKING SYSTEMS - PREDOMINANT BREED HOLSTEIN - JANUARY 2016

	Atlantic				Quebec			
	Pipeline	Parlour	Robot	Total[1]	Pipeline	Parlour	Robot	Total[1]
Number of herds	131	138	13	**282**	3331	249	200	**3780**
Number of cows per herd	61.9	117.3	115.0	**91.4**	57.6	117.8	95.2	**63.5**
Annual milk (kg/cow/year)	8818	9520	9929	**9213**	9260	9200	9789	**9284**
Annual fat (kg/cow/year)	346	380	388	**364**	372	374	379	**372**
Annual fat (%)	3.92	3.98	3.91	**3.95**	4.02	4.07	3.87	**4.02**
Annual protein (kg/cow/year)	283	307	318	**296**	305	302	315	**305**
Annual protein (%)	3.21	3.23	3.21	**3.22**	3.29	3.29	3.22	**3.29**
305-day milk (kg)	9110	9541	9985	**9361**	9369	9221	9809	**9382**
305-day fat (kg)	352	374	387	**364**	371	370	381	**372**
305-day fat (%)	3.86	3.91	3.88	**3.89**	3.96	4.02	3.89	**3.96**
305-day protein (kg)	288	304	318	**297**	303	298	316	**304**
305-day protein (%)	3.15	3.18	3.19	**3.17**	3.24	3.23	3.23	**3.23**
Days at peak	41	46	49	**44**	43	44	46	**43**
Peak milk (kg)	36.2	37.7	41.2	**37.2**	37.8	37.4	39.9	**37.9**
Lactation persistency	99	98	96	**98**	97	97	96	**97**
Transition cow index	51	-12	136	**24**	139	70	159	**136**
Longevity (% 3rd lactation plus)	40.6	38.1	33.8	**39.1**	39.8	39.4	37.9	**39.7**
Age at 1st calving (mo.)	28.0	26.7	25.9	**27.2**	26.3	25.9	25.7	**26.2**
Herd age at calving (mo.)	50.2	46.4	43.0	**48.0**	47.1	45.9	44.8	**46.9**
Herd turnover (%)	35.0	34.0	38.6	**34.6**	34.0	33.5	34.3	**33.9**
Mortality (%)	3.1	3.6	3.6	**3.4**	3.8	4.4	4.3	**3.9**
Disposal for feet/legs (%)	2.5	3.9	2.5	**3.2**	2.9	3.6	3.6	**3.0**
Disposal for reproduction (%)	7.6	7.2	6.5	**7.3**	6.0	5.5	6.1	**6.0**
Disposal for mastitis/high SCC (%)	4.4	3.7	5.5	**4.1**	4.8	4.1	4.2	**4.7**
Sold for milk production (%)	7.8	3.6	5.9	**5.7**	3.8	2.0	2.2	**3.6**
Calving interval (days)	445	416	422	**429**	421	411	412	**420**
Days to 1st breeding	92.6	83.0	86.9	**87.7**	78.4	75.9	75.0	**78.1**
Days dry	77.0	61.3	73.8	**69.2**	62.5	58.6	62.9	**62.2**
Annual SCC ('000/ml)	234	208	235	**222**	225	206	219	**223**
Milk value ($)	6301	6880	7113	**6622**	6744	6780	6907	**6755**
Herds with feed	33	33		**68**	983	75	48	**1106**
Milk value ($)	6470	6361		**6436**	6765	6827	6659	**6765**
Annual feed cost ($)	2060	2018		**2042**	2186	2121	2210	**2183**
Return over feed cost ($)	4410	4344		**4395**	4579	4706	4450	**4582**
Feed cost ($/hl)	23.86	23.83		**23.80**	24.32	23.77	24.52	**24.30**

[1] *Number of herds with a known milking system*

Ontario				West				Canada			
Pipeline	Parlour	Robot	Total[1]	Pipeline	Parlour	Robot	Total[1]	Pipeline	Parlour	Robot	Total[1]
1731	677	176	**2584**	102	695	111	**908**	5295	1759	500	**7554**
58.4	133.3	101.5	**80.9**	80.3	176.1	137.1	**160.6**	58.4	146.8	107.2	**82.2**
9160	9631	10099	**9347**	9316	9972	10227	**9929**	9217	9696	9999	**9380**
359	381	396	**367**	357	390	381	**385**	367	383	386	**372**
3.93	3.96	3.92	**3.93**	3.83	3.91	3.73	**3.88**	3.98	3.96	3.86	**3.97**
296	311	328	**302**	301	322	327	**320**	301	314	322	**306**
3.23	3.24	3.25	**3.23**	3.24	3.23	3.21	**3.23**	3.27	3.24	3.23	**3.26**
9400	9587	10111	**9497**	9917	10086	10385	**10104**	9383	9729	10048	**9508**
365	376	392	**370**	377	389	385	**387**	369	380	386	**372**
3.88	3.92	3.88	**3.89**	3.80	3.86	3.71	**3.83**	3.93	3.91	3.84	**3.92**
298	305	323	**302**	316	321	330	**322**	301	311	322	**305**
3.17	3.19	3.20	**3.18**	3.19	3.19	3.18	**3.19**	3.21	3.19	3.21	**3.21**
44	47	48	**45**	50	54	58	**54**	43	49	49	**45**
37.7	38.5	40.9	**38.2**	38.8	40.2	41.9	**40.3**	37.8	39.0	40.7	**38.2**
98	98	97	**98**	98	98	99	**98**	97	98	97	**97**
								136	41	158	**128**
36.8	35.6	34.6	**36.4**	36.1	34.4	34.3	**34.6**	38.8	35.9	35.8	**37.9**
26.6	25.5	25.4	**26.3**	27.4	26.1	26.5	**26.3**	26.5	25.9	25.8	**26.3**
46.0	43.4	43.0	**45.1**	46.4	43.8	44.2	**44.1**	46.8	44.1	44.0	**46.0**
38.3	37.5	36.3	**38.0**	45.3	41.9	40.4	**42.1**	35.6	38.4	36.4	**36.3**
4.4	4.9	3.9	**4.5**	5.1	6.4	6.4	**6.2**	4.0	5.3	4.6	**4.4**
2.0	2.8	2.3	**2.2**	1.9	3.1	2.9	**3.0**	2.6	3.1	3.0	**2.7**
7.3	7.2	6.7	**7.2**	7.7	7.2	7.7	**7.3**	6.5	7.0	6.7	**6.6**
4.5	3.4	3.2	**4.1**	4.5	4.6	4.9	**4.6**	4.7	4.0	4.0	**4.5**
7.8	4.5	5.5	**6.8**	13.5	5.8	4.1	**6.5**	5.4	4.6	3.9	**5.1**
431	409	410	**424**	441	418	429	**422**	425	413	415	**422**
82.2	76.5	81.1	**80.7**	98.3	85.7	91.6	**87.9**	80.4	80.6	81.1	**80.5**
70.3	60.1	63.3	**67.1**	96.0	71.0	73.3	**74.1**	66.0	64.3	65.6	**65.6**
239	203	225	**229**	233	213	251	**220**	230	208	229	**225**
6835	7191	7400	**6967**	6902	7449	7366	**7377**	6766	7210	7188	**6897**
								1016	108	50	**1174**
								6756	6685	6677	**6746**
								2182	2090	2207	**2175**
								4573	4595	4471	**4571**
								24.31	23.79	24.42	**24.27**

TOP 10 HERD MANAGEMENT SCORE
IN CANADA AND TOP 3 OF ATLANTIC PROVINCES

For the first time, the calculations of the Herd Management Scores were done on a national level amongst a total of 8,500 herds.

The Herd Management Score allocates points for performance in six different management areas and is an excellent barometer of overall herd performance. It is a great tool for monitoring progress from year to year and also allows herds to benchmark themselves against others.

We congratulate the following farms which have achieved superior performance across all aspects of herd management.

Larenwood Farms	Chris, Grant & Dan McLaren	Drumbo	Ontario
Ferme Barjo Inc.	Amélie Tremblay & Dominique Bard	Baie Saint-Paul	Quebec
Summitholm Holsteins	Carl, Dave & Ben Loewith	Lynden	Ontario
Sunny Point Farms Ltd.	**Philipp Vroegh**	**Hants County**	**Nova Scotia**
Pfister Dairy Farm	Pfister Family	Mitchell	Ontario
Brakke Farm	Jacob, Nelleke & Henk Brakke	Grand Valley	Ontario
Gamblane Farms	Ian & Mark Gamble	Chatsworth	Ontario
Ferme Roy & Fils Inc.	Jacques & Marc-André Roy	Sully Pohenegamook	Quebec
Ferme Noterra-Ricstar Inc.	Eric Breniel & Elise Sawyer	Saint-Hyacinthe	Quebec
Kooi Pleats Dairy	Willem & Martine Van Der Kooi	Moorefield	Ontario

TOP 3 SCORES IN THE ATLANTIC PROVINCES

New Brunswick

Salisdairy Farm	Auke Leenstra	Boundary Creek
Top of The Morning Farm Ltd.	Robert Speer	Holmesville
Schenkels Farms Inc.	John Schenkels	Whitney

Nova Scotia

Sunny Point Farms Ltd.	Philipp Vroegh	Hants County
Folly River Farms Ltd.	Lauchie Maceachern	Debert
Macgregor Dairy Farm Ltd.	John Macgregor	Eureka

Prince Edward Island

Reeves Farm Inc.	Steven & Farrell Reeves	Freetown
Jewell Dale Farm Inc.	Logan Jewell	Meadowbank
Abelaine Farms Inc.	Abe & Elaine Buttimer	Hunter River

Newfoundland

Larch Grove Farms	Ian Richardson	Cormack
N and N Farm Ltd.	Lee Noel	Cormack
Brophy's Dairy Farm	Leslie Brophy	Daniel's Harbour

SUNNY POINT FARMS LTD. FINISHES IN TOP FIVE IN CANADA FOR HERD MANAGEMENT SCORE

"We believe our success has a great deal to do with our attention to detail, from newborn calves to lactating cows", says Philip Vroegh, owner of Sunny Point Farms in Densmore Mills, Noel, NS. "Things like cow comfort, health and cow durability must be taken into consideration when operating a profitable dairy farm today."

In March, CanWest DHI and Valacta announced the top ten herds in Canada for the Herd Management Score. Philip, along with his wife Lori, his family, and staff of Sunny Point Farms Ltd. finished fourth in the entire country. No easy feat, considering that the Herd Management Score uses a scoring system that divides a total of 1000 points across 6 management areas, including: milk value, age at first calving, herd efficiency, longevity, udder health and calving interval.

When asked what his primary goals are for his operation, Philip responds, "We focus on maximizing production and components, while also working hard to improve herd longevity and cow health. We believe this is the formula for a profitable, successful herd." Philip also believes in the importance of data when managing any business. Milk recording, registration and classification are very important elements of his management strategy. "Without measuring herd performance, it is extremely difficult to manage," states Philip.

How did they achieve the fourth highest rating in the country for Herd Management Score? Philip believes that the elements of the score relate directly to profitability for his farm and he works hard at them. "Management aspects such as age at 1st calving, longevity, and milk value are areas we constantly monitor. Of course, our people play a key role in helping us achieve our goals. We are proud of our accomplishment but it is a team effort. Everyone contributes significantly."

Eef Vroegh, the father, Phillip Vroegh, son and owner, Laurie Singer, staff, Tony Mumford, herdsman.

When you visit Sunny Point Farms Ltd. not only is it obvious that attention-to-detail is a mantra for the Vroeghs and their staff, but it is also obvious that everyone involved is passionate about what they do. Congratulations Philip, Lori, family, and staff on a job well done!

"Things like cow comfort, health and cow durability must be taken into consideration when operating a profitable dairy farm today."

KETOLAB: NEW TOOL TO MONITOR KETOSIS DIRECTLY IN YOUR DHI SAMPLE

By Débora Santschi, Ph.D., agr., Nutrition and Management Expert, Mélissa Duplessis, Ph.D., agr., R&D Advisor, René Lacroix, Ph.D., Eng., Analyst - Data Value (Business Intelligence), and Robert Moore, Ph.D., Scientific Manager, R & D, Valacta

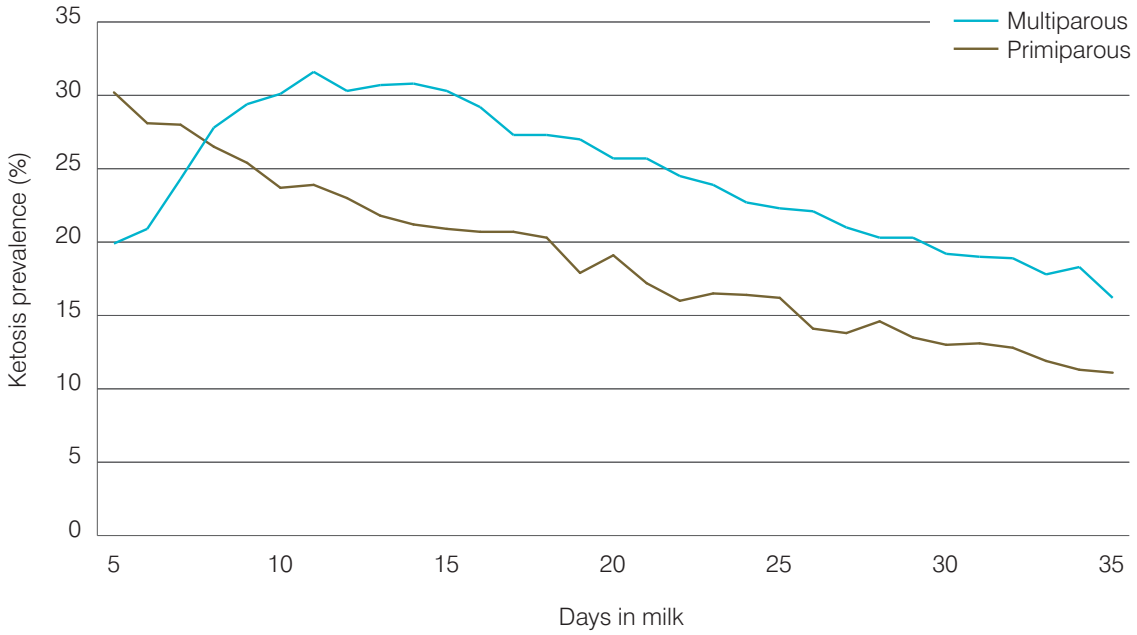
A new tool will be offered as of fall 2016 to help in the detection of cows suffering from ketosis at the beginning of lactation. Ketolab analyzes BHB (-hydroxybutyrate) direclty in the DHI milk sample, at the same time as it analyzes fat, protein and SCC. It is therefore a herd management tool useful for evaluating and benchmarking ketosis prevalence in your herd, as well as herd monitoring of any changes done to transition period management and their impacts on ketosis prevalence over time. Ketolab was launched in Quebec in 2011 and analyzers are being installed in the PEI lab to start routine testing towards the end of summer 2016.

What can we learn from Quebec data?

Ketolab classifies fresh cows as negative, suspect or positive to ketosis, based on their milk BHB concentration. Analysis of over 530,000 fresh cows from Quebec shows an average herd prevalence of 24%. As shown in Figure 1, prevalence is on average higher for mature cows during the first month of lactation. However, prevalence in the first week of lactation is extremely high for heifers! Stress due to calving, new barn, new experience with the milking unit? Most likely! Heifers not always well prepared for calving? Maybe… Interestingly, there are still 15% of cows positive at 35 DIM, although ketosis is generally recognized as a fresh cow disorder. Prevalence varies greatly among herds, some herds being close to 0, while others are over 50% on a monthly basis.

Figure 1

QUEBEC KETOSIS PREVALENCE ACCORDING TO PARITY



The most important impacts of ketosis based on the Quebec data include reduced milk yield on test day (30.1 vs 32.5 kg/d) as well as impaired reproduction and increased culling rate. As shown on the figures below, cows that tested negative were declared pregnant about 23 days earlier than the positive cows (Figure 2). Culling rate during the first 100 days in milk was approximately 50% lower with negative cows than positive cows (Figure 3).

Ketolab is an additional tool to help monitor transition success at the herd level. Together with the Transition Cow Index (TCI™) from Valacta, Ketolab offers the opportunity to closely monitor cows during this critical period, and maximize chances of success. Stay tuned for upcoming news regarding the launch of Ketolab in your area.

"Ketolab is an additional tool to help monitoring transition success at the herd level. "

Débora Santschi, Ph.D., agr., Nutrition and Management Expert at Valacta

Figure 2

CULLING RATE IS INCREASED IN POSITIVE COWS

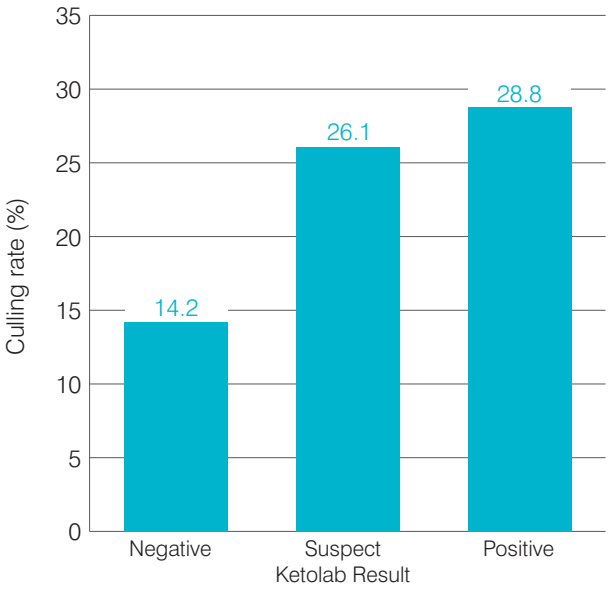
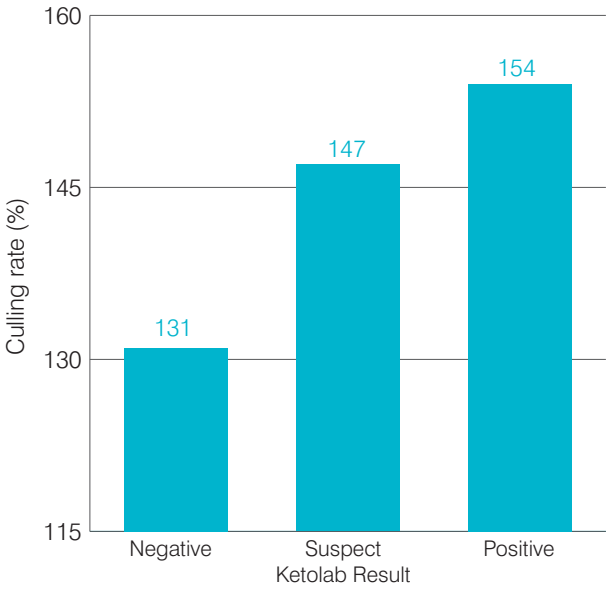


Figure 3

DAYS OPEN ARE INCREASED IN POSITIVE COWS

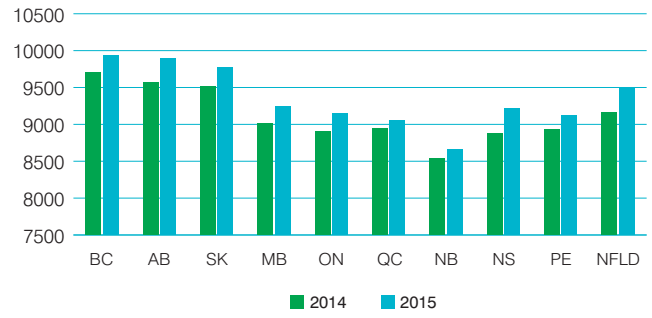


NATIONAL STATISTICS

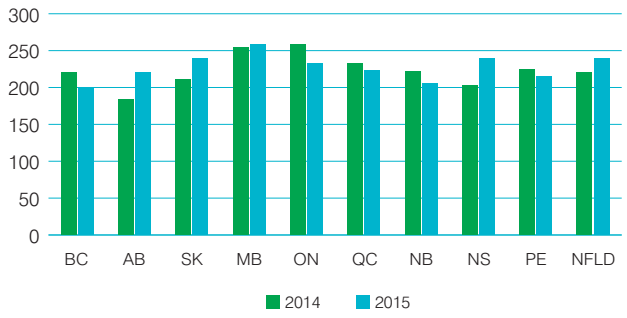
DAIRY HERD STATISTICS BY PROVINCE

Province	Recorded Herds		Recorded Cows		Average Herd Size		% Herds >100 cows	% Recorded Herds
	2014	2015	2014	2015	2014	2015		
Newfoundland	6	7	872	1256	145.33	179.4	85.71	24.24
PEI	106	96	8503	8272	80.22	86.2	22.92	57.80
Nova Scotia	138	135	11557	11400	83.75	84.4	24.44	60.44
New Brunswick	135	131	11646	11882	86.27	90.7	28.24	68.66
Quebec	4731	4505	283134	282422	59.85	62.7	9.94	79.73
Ontario	2982	2883	233151	233378	78.19	80.9	20.92	
Manitoba	193	180	27975	27540	144.95	153.0	47.78	
Saskatchewan	105	94	18215	17090	173.48	181.8	70.21	
Alberta	422	401	58606	57461	138.88	143.3	66.83	
British Columbia	307	310	48639	52425	158.43	169.1	61.29	
CANADA	9125	8742	702298	703126	76.96	80.4	20.19	

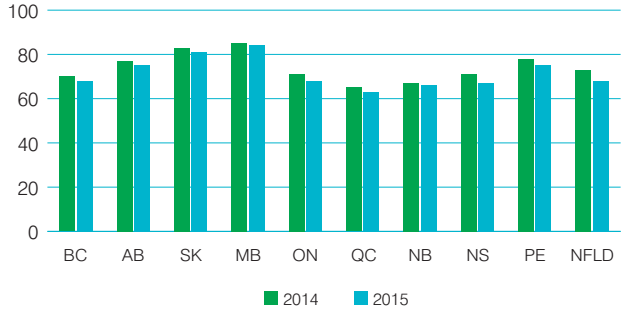
MILK PRODUCTION (KG)
PER COW PER PROVINCE



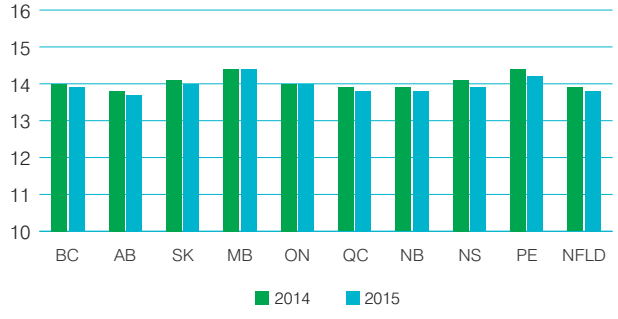
SOMATIC CELL COUNT ('000)
AVERAGE BY PROVINCE



AVERAGE
DRY PERIOD (DAYS)

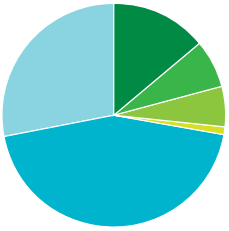


CALVING INTERVAL
(MONTHS)



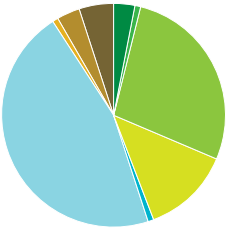
MANAGEMENT SYSTEM TYPE
IN THE ATLANTIC PROVINCES

FEEDING SYSTEM



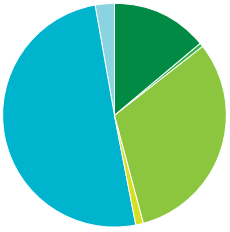
	%
Grain - Automatic feeder	14
Grain - Computer feeder	7
Forage - Automatic feeder	5.8
Silage and concentrate distributor	1.2
Hand feeding	44.2
TMR	27.9

MILKING SYSTEM TYPE



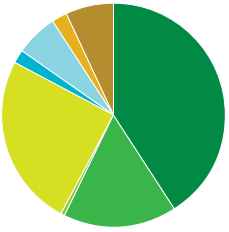
	%
Individual Stall Parlour	3.1
Rotary Parlour	0.9
Herringbone Parlour	27.3
Parallel or right angle Parlour	12.7
Parabone Parlour	0.9
Pipeline	45.7
Buckets	0.9
Step-Saver	0
Flat Barn Parlour	3.1
Robotic System	5.0

BARN TYPE



	%
Head to Head	14.1
Head to Tail	0
Single Row	0.6
Tail to Tail	31.3
Multiple Row	1.1
Free Stall	50.3
Loose Housing	2.6
Other	0

MILKING SYSTEM BRAND



	%
DeLaval (Alfa-Laval)	41.0
Surge	16.3
Germania	0.6
BouMatic	25.0
Westfalia	1.9
Universal	6.1
Lely	2.2
Prolion	0
Gascoigne Melotte	0
Dairymaster	0
WestfaliaSurge	6.7
Insentec	0
Milkomax	0

PROVINCIAL STATISTICS

VALACTA-ATLANTIC PRODUCTION AND MANAGEMENT AVERAGES - DECEMBER 2015

Breed	Average	Percentile 10	Percentile 90
Milk Production (kg)			
Holstein	9265	7464	10817
Ayrshire	6900	6079	7472
Jersey	6236	5338	7735
All Breeds	9049	6838	10752
Age at First Calving (yy-mm)			
Holstein	2-3	2-6	2-0
Ayrshire	2-5	2-8	2-3
Jersey	2-2	2-4	2-0
All Breeds	2-3	2-6	2-0
Weight at First Calving (kg)			
Holstein	645	606	696
Ayrshire	N/A**	N/A**	N/A**
Jersey	N/A**	N/A**	N/A**
All Breeds	639	600	694
Longevity (% 3rd Lactation plus)			
Holstein	38.7	27.8	50.6
Ayrshire	44.3	38.0	51.1
Jersey	43.5	33.6	52.1
All Breeds	39.1	28.1	50.9
SCC ('000 s.c./ml)			
Holstein	224	342	133
Ayrshire	185	288	133
Jersey	187	291	104
All Breeds	221	291	104

Breed	Average	Percentile 10	Percentile 90
Fat, kg (%)			
Holstein	367 (3.95)	292 (3.67)	442 (4.22)
Ayrshire	293 (4.25)	250 (4.04)	324 (4.43)
Jersey	312 (4.99)	255 (4.69)	387 (5.28)
All Breeds	361 (4.00)	285 (3.69)	440 (4.32)
Protein, kg (%)			
Holstein	298 (3.22)	242 (3.09)	242 (3.09)
Ayrshire	230 (3.33)	196 (3.22)	196 (3.22)
Jersey	233 (3.74)	201 (3.66)	201 (3.66)
All Breeds	293 (3.24)	229 (3.09)	229 (3.09)
Average Herd Weight including Cow-Heifers (kg)			
Holstein	610	572	638
Ayrshire	N/A**	N/A**	N/A**
Jersey	N/A**	N/A**	N/A**
All Breeds	603	558	638
Margin Over Feed Cost ($/cow/year) *			
Holstein	4609	3265	5775
Ayrshire	3572	3173	3911
Jersey	--	N/A**	--
All Breeds	4472	3057	5693
Other Parameters(All Breeds)			
Cows in Milk (%)	86	81	91
Replacement Rate (%)	34.0	45.3	20.8
Dry Period (days)	69	92	51
Calving Interval (days)	427	467	390
Linear Score	2.6	3.2	2.1

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

PROVINCIAL 305 DAY PRODUCTION AVERAGE

Province & Service Level	Herds	Milk kg	Fat kg	Protein kg	BCA M	BCA F	BCA P	Avg BCA
New Brunswick								
Publishable	103	8967	353	287	205	210	204	206.3
All	136	8739	344	280	199	204	197	
Nova Scotia								
Publishable	105	9636	376	309	213	222	214	216.3
All	137	9374	365	300	207	215	208	210
Prince Edward Island								
Publishable	77	9572	378	301	211	223	208	214
All	101	9314	367	293	204	216	202	207.6
Newfoundland								
Publishable	5	10314	407	327	224	238	223	228.3
All	7	9587	375	303	206	217	205	209

ANNUAL PROVINCIAL HERD DEMOGRAPHICS - ALL HERDS

Herd Size (Cows)	% Herds	% Animals	Annual Average Herd Size	Annual Milk Production	Annual Fat Production (kg)	Annual Fat Production (%)	Annual Protein Production (kg)	Annual Protein Production (%)	Annual Average SCC ('000/ml)
New Brunswick									
1-39	13.0	4.1	29	7192	306	4.33	242	3.39	177
40-79	45.8	30.2	58	8469	333	3.94	271	3.21	196
80-119	22.9	24.9	97	8964	355	3.97	293	3.27	230
120+	18.3	40.9	198	9733	388	3.97	311	3.2	209
Nova Scotia									
1-39	13.2	4.6	29	8151	324	4.01	267	3.3	228
40-79	48.5	32.6	56	8819	348	3.95	288	3.27	260
80-119	23.5	26.3	93	9414	379	4	307	3.26	249
120+	14.7	36.4	207	10687	423	3.96	345	3.23	202
Prince Edward Island									
1-39	10.4	4.0	33	8409	335	3.99	268	3.19	218
40-79	52.1	35.2	58	8886	354	3.99	283	3.19	208
80-119	20.8	22.7	93	9294	381	4.1	298	3.21	221
120+	16.7	38.1	194	10057	404	4.02	321	3.2	228

PROVINCIAL STATISTICS

MANAGEMENT CENTER BENCHMARKS

	New Brunswick Percentile				Nova Scotia Percentile				Prince Edward Island Percentile				Newfoundland Percentile			
Measure	25th	50th	75th	90th	25th	50th	75th	90th	25th	50th	75th	90th	25th	50th	75th	90th
Annual Milk Value ($)	5434	6091	7050	7704	5811	6796	7494	8080	5943	6629	7046	7620	6887	8528	8792	9179
Somatic Cell Count ('000/ml)	295	249	195	152	377	287	214	168	305	257	207	167	335	241	196	164
Udder Health (SCC Linear Score)	3.1	2.9	2.6	2.3	3.3	2.9	2.6	2.3	3.2	3.0	2.6	2.4	3.0	2.7	2.3	2.3
Age at 1st Calving (Year-Month)	2-6	2-4	2-2	2-1	2-7	2-4	2-2	2-1	2-6	2-4	2-2	2-1	2-5	2-4	2-2	2-0
Calving Interval (months)	15.1	14.6	13.8	13.4	15.6	14.7	13.9	13.4	16.2	14.7	14.1	13.6	13.0	13.3	13.8	14.8
Longevity (% of herd in 3+ lactation)	33	40	46	51	34	39	46	52	33	38	43	50	35	38	42	44
Herd Efficiency (% of herd in milk)	85	87	89	91	84	87	89	91	83	87	89	91	83	84	87	90
Herd Turnover (% of herd in removed)	42	37	30	25	45	39	34	28	46	40	33	27	26	36	34	26
Number of Cows	50	70	104	148	47	64	96	146	49	65	92	150	89	108	196	212
Management Milk (kg)*	27	30	35	37	29	33	36	39	30	33	35	39	27	36	38	39
Days Dry	85	71	62	56	91	75	64	55	112	84	70	54	81	75	63	55
Days to 1st Breeding	107	94	84	77	113	95	86	78	115	100	89	72	83	79	73	66

** Management Milk measure : brings age, stage of lactation and energy-corrected milk to a standard number for comparison purposes.*

TOP PUBLISHABLE COW RECORDS BY BREED BY PROVINCE 2015

Breed	Cow Owner, Farm Name, Town	Sire	Age	Avg BCA	BCA M	BCA F	BCA P	Milk	Fat	Protein
New Brunswick										
Holstein	**Philson Manifold Elbelle 692** P. Lawrence, Lawrence'S Dairy Farm Ltd. Burtts Corner	Mainstream Manifold	3/1	430.7	454	431	407	19731	699	574
Jersey	**Cyrror Paramount Maya** Rejean Cyr, Ferme Cyrror, Siegas	Rock Ella Paramount-ET	1/8	327.0	365	284	332	8180	338	282
Shorthorn	**Oceanbrae Adventure Jo** Samuel D. Freeze, Samuel D. Freeze, Newtown	Kundes Golden Logic Adventure	1/11	310	290	329	311	6404	296	224
Ayrshire	**Braefield Normandin Oaky** Frank A. Waterston, Braefield Farms, Penobsquis	Duo Star Normandin	5/7	285.3	292	284	280	11426	454	361
Brown Swiss	**Just Ducky Conquest Betty** Philip F. Christie, Christie Farms Ltd. Lynnfield	R Hart Conquest-ET	5/8	278.3	282	285	268	12042	484	399
Guernsey	**Guernsey View Exile'S Zara** Frank Gordon, Cedar Ridge Farms Ltd. Keswick Ridge	Jens Gold C Blue Spruce-ET	2/1	273	273	277	269	8288	418	291
Nova Scotia										
Holstein	**Sunnypoint 1421 Garrett** Phillip Vroegh, Sunny Point Farms Ltd. Hants County	Schillview Garrett-ET	4/0	396.3	399	419	371	20290	791	601
Jersey	**Pine Haven Phc Divine** R. & J. Dillman, Pine Haven Farms Ltd. Oxford	Pine Haven De Casino	2/0	328	329	321	334	8217	433	317
Shorthorn	**Eloc Plato Logielicious-ET** Sandy & Dean Cole, Eloc Farm, Middle Musquodoboit	Oceanbrae Logic'S Plato	4/0	320.3	332	297	332	9999	356	325
Ayrshire	**Allegro Everest Surreal** John & Ruth Ann Greenough, Allegro Holsteins, Newport	Terrace Bank Everest-ET	3/1	318	304	328	322	10512	472	367
Brown Swiss	**Fynhaven Proud Gold** Danny Phinney, Phinneyval Farms, Bridgetown	Haab Top-Swiss Prec. Proud *Tm	2/2	270	265	266	279	9144	375	337

Animals highlighted in blue represent the top animal for that breed in all provinces.

PROVINCIAL STATISTICS

TOP PUBLISHABLE COW RECORDS BY BREED BY PROVINCE 2015

Breed	Cow Owner, Farm Name, Town	Sire	Age	Avg BCA	BCA M	BCA F	BCA P	Milk	Fat	Protein
Prince Edward Island										
Shorthorn	**Oceanbrae N Missy** Barrett Holdings Ltd. Oceanbrae Farms, Fred Barrett, Miscouche	Hauxwell Notary	8/7	374.7	380	424	320	11867	521	326
Ayrshire	**St Clement Calimero Jana** Robert & Peter Rossitter, Ayr Bay Farms, St. Peters Bay	Margot Calimero	6/11	357.7	364	353	356	14486	568	466
Holstein	**Felicia Gingi Charm** James Carruthers, Carruthers Farms Ltd. Kensington	Diamond-Oak Frosty-ET	4/8	350.7	322	402	328	16755	771	532
Jersey	**Oceanbrae Kyros Bambi** Barrett Holdings Ltd. Oceanbrae Farms, Fred Barrett, Miscouche	Sunset Canyon Kyros-ET	1/11	320	342	326	292	8850	450	286
Guernsey	**Auchinleck Kaitlyn Double L** Randall Affleck, Auchinleck Farms Ltd. Bedeque	Pine Ridge Double L	2/6	176	183	170	175	5755	266	196
Newfoundland										
Holstein	**Oconnors Shottle Lynda** Lee Noel, N & N Farm Ltd. Cormack	Picston Shottle-ET	3/5	322.7	286	371	311	13465	641	464
Jersey	**Musqie Vincent Violet-ET** Lee Noel, N & N Farm Ltd. Cormack	Bridon Vincent -ET	3/0	228.7	237	229	220	7132	374	251

Animals highlighted in blue represent the top animal for that breed in all provinces.

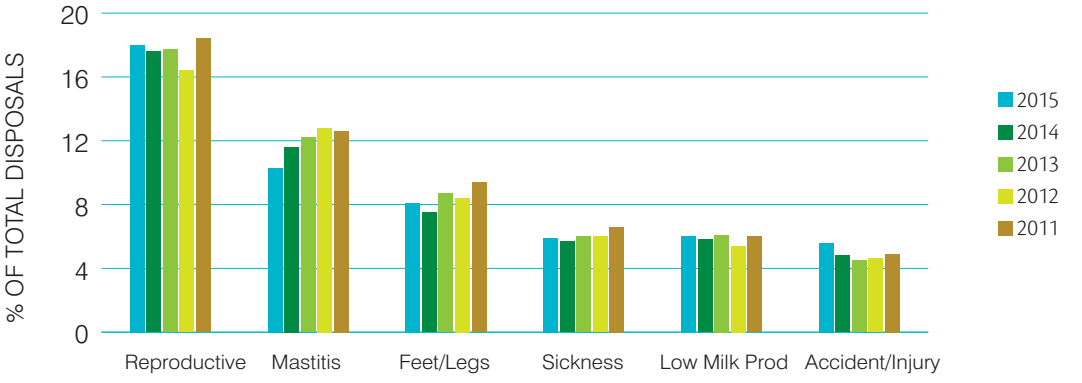
TOP PUBLISHABLE HERDS BY HERD SIZE - ALL PROVINCES

Herd Size	Farm Name	Location	Records	Avg BCA	Breed	BCA M	BCA F	BCA P	Milk kg
Small Herds (5-39 Records)	Roman Valley Holsteins	St. Andrews, NS	31	280	HO	273	290	277	12 252
	Allegro Holsteins	Newport, NS	25	252.3	HO	254	247	256	11 444
	Roy Chambers	Dutch Valley, NB	28	252	HO	240	261	255	10 650
Medium Herds (40-79 Records)	Oceanbrae Farms, Fred Barrett	Miscouche, PEI	43	294	MS	295	300	287	8 328
	Black Avon Farms Ltd.	Heatherton, NS	78	271.7	HO	269	274	272	11 880
	Pine Haven Farms Ltd.	Oxford, NS	46	270	JE	273	267	270	8 053
Large Herds (80-119 records)	Lindenright Holsteins	Antigonish, NS	81	276	HO	268	294	266	11 694
	Bekkers Farm Incorporated	Antigonish, NS	98	259.3	HO	257	267	254	11 439
	Macbeath Farms Ltd.	Marshfield, PEI	106	255.7	HO	252	265	250	11 449
Very Large Herds (120+ records)	Sunny Point Farms Ltd.	Hants County, NS	274	307.7	HO	302	325	296	13 800
	Macgregor Dairy Farm Ltd.	Eureka, NS	286	290.7	HO	294	294	284	13 116
	Schenkels Farms Inc.	Whitney, NB	132	283	HO	271	301	277	12 464

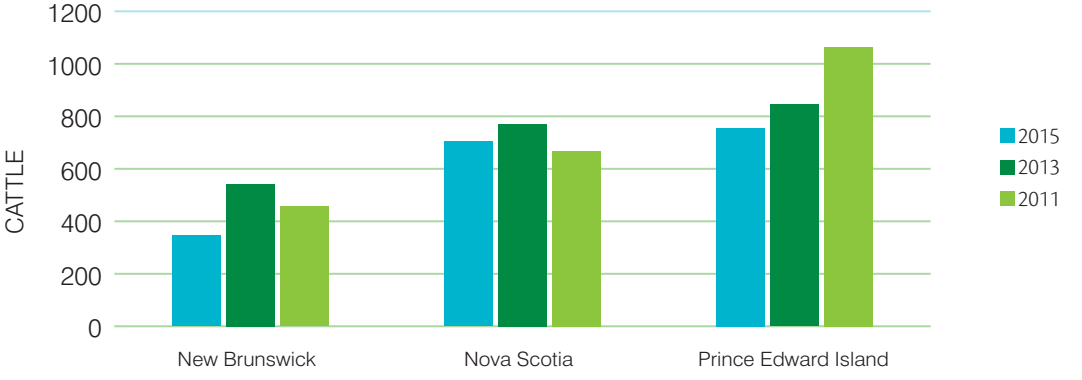
TOP PUBLISHABLE HERDS BY BREED - ALL PROVINCES

Breed	Farm Name	Location	Records	Avg BCA	BCA M	BCA F	BCA P	Milk kg	Fat kg	%	Protein kg	%
Ayrshire	Musqie Valley Farms	Middle Musquodoboit, NS	5	242.7	236	245	247	8 286	334	4.36	274	3.58
Brown Swiss	Phinneyval Farms	Bridgetown, NS	10	238.7	226	251	239	8 747	367	4.35	291	3.45
Canadienne	Phinneyval Farms	Bridgetown, NS	5	201.0	203	195	205	4 994				
Guernsey	Cedar Ridge Farms Ltd.	Keswick Ridge, NB	47	201	204	200	199	6 732	328	4.90	231	3.45
Holstein	Sunny Point Farms Ltd.	Hants County, NS	274	307.7	302	325	296	13 800	487	3.95	388	3.15
Jersey	Pine Haven Farms Ltd.	Oxford, NS	46	270.0	273	267	270	8 053	410	5.29	294	3.79
Shorthorn	Oceanbrae Farms, Fred Barrett	Miscouche, PEI	43	294.0	295	300	287	8 328	337	4.26	251	3.17

TOP DISPOSAL REASONS



LIVE CATTLE MOVEMENT



NEW BRUNSWICK PUBLISHABLE HERDS

	Herd Owner / Address	Records Started	Publishable Records	Avg BCA	BCA M	BCA F	BCA P	M kg	F kg	P kg	Breed	Herd#
1	**Schenkels Farms Inc.** 992 Route 425, Whitney, E1V 4K4	154	132	283.0	271	301	277	12464	514	405	HO	97375
2	**Lawrence'S Dairy Farm Ltd.** 216 Mc Lean Settlement Rd., Burtts Corner, E6L 2W1	173	132	280.7	275	295	272	12529	498	395	HO	97554
3	**Ravenwood Holsteins Ltd.** 753 Scotch Settlement Rd., Irishtown, E1H 1Y5	59	44	265.3	256	278	262	11447	461	373	HO	97509
4	**Walkerville Farms** 25 Bald Hill Road, Wards Creek, E4E 4M3	280	218	264.0	265	280	247	11975	470	355	HO	97516
5	**Roy Chambers** 241 Waterford Road, Dutch Valley, E4E 3N4	33	28	252.0	240	261	255	10650	430	361	HO	97159
6	**Christie Farms Ltd.** 30 Christy Rd., Lynnfield, E5A 1V9	40	35	245.0	236	262	237	10393	427	333	HO	97580
7	**Waldow Farms Ltd.** 3084 Route 890, Cornhill, E4Z 1M5	377	157	245.0	247	255	233	10758	414	325	HO	97208
8	**Two B Farms** 316 Scotch Lake Rd, Scotch Lake, E6L 1K7	54	5	244.7	247	243	244	10357	377	326	HO	97668
9	**Salisdairy Farm** 2800 Route 106, Boundary Creek, E1G 4N1	177	144	243.0	235	252	242	10495	418	345	HO	97292
10	**Tobique Holsteins** 2653 Route 390, St Almo, E7G 3R5	84	63	242.3	235	250	242	10687	423	350	HO	97649
11	**Bonnielm Farm Ltd.** 2979 Rte 470, Ford Bank, E4W 3R5	82	66	241.3	233	249	242	10449	416	346	HO	97576
12	**Lonsview Farm Ltd.** 6762 Route 111, New Line, E4E 4S6	161	131	241.0	234	251	238	10536	419	341	HO	97611
13	**Prime Valley Holsteins** 3441 Route 121, Apohaqui, E5P 1B2	130	114	240.7	241	250	231	10621	409	324	HO	97206
14	**Ferme Cyrror** 29 Ch. Siegas #1, Siegas, E7E 1T5	57	46	238.0	249	224	241	7415	361	272	JE	97664
15	**Everanne Holsteins** 10 Ravine Road, Norton, E5T 2C6	89	69	236.7	236	233	241	10920	401	355	HO	97172
16	**Clearland Holsteins** 317 O'Neill Road, Searsville, E5P 3G1	71	54	233.3	232	240	228	10616	408	333	HO	97553
17	**Langelaans Holsteins Ltd.** 3754 Route 112, Second North River, E4J 3X5	157	76	233.0	228	233	238	10327	392	344	HO	97505
18	**Graham Farms Ltd.** 28 Good Corner Rd., Good Corner, E7K 1B9	85	75	232.3	227	243	227	10463	414	332	HO	97544
19	**Creek Home Farm** 3431 Route 106, Salisbury, E4J 3H5	14	13	231.7	235	229	231	8039	322	259	AY	97753
20	**Presstein Holsteins** 333 Main Street, Sackville, E4L 3H2	112	93	231.0	225	242	226	10114	404	324	HO	97295
21	**Hazelhill Farms** PO Box 5068, Sussex, E4E 5L2	280	232	228.0	227	238	219	10597	411	324	HO	97548
22	**Kent & Lorraine Allen** 436 Route 616, Keswick Ridge, E6L 1S5	47	38	226.7	220	243	217	9957	408	312	HO	97670
23	**Clarke Farms** 6052 Route 112, New Canaan, E4Z 6A6	80	68	226.3	227	231	221	10504	394	324	HO	97671
24	**Michael Mullin** 47260 Homestead Road, Steeves Mountain, E1G 4P4	115	93	226.0	221	245	212	10600	434	322	HO	97282
25	**Leighside Farms Ltd.** 3662 Route 132, Scoudouc, E4P 3M8	104	88	225.7	228	223	226	10337	374	326	HO	97233

NOVA SCOTIA PUBLISHABLE HERDS

	Herd Owner / Address	Records Started	Publishable Records	Avg BCA	BCA M	BCA F	BCA P	M kg	F kg	P kg	Breed	Herd #
1	**Sunny Point Farms Ltd.** 398 Point Road - East Noel, Hants County, B0N 1J0	321	274	307.7	302	325	296	13800	552	430	HO	98206
2	**Macgregor Dairy Farm Ltd.** R R #1, Eureka, B0K 1B0	350	286	290.7	294	294	284	13116	486	403	HO	98073
3	**Roman Valley Holsteins** Box 29, St. Andrews, B0H 1X0	39	31	280.0	273	290	277	12252	482	396	HO	98285
4	**Lindenright Holsteins** R R #2, Antigonish, B2G 2K9	107	81	276.0	268	294	266	11694	475	369	HO	98741
5	**Black Avon Farms Ltd.** 2362 Guysborough Road, Heatherton, B0H 1R0	90	78	271.7	269	274	272	11880	450	383	HO	98693
6	**Pine Haven Farms Ltd.** PO Box 9, Oxford, B0M 1P0	60	46	270.0	273	267	270	8053	424	301	JE	98611
7	**Winding River Farms Ltd.** 2965 Alton Road, Mackay Siding, B0N 2J0	197	152	261.7	259	262	264	11957	448	386	HO	98815
8	**Bekkers Farm Incorporated** R.R. # 4, Antigonish, B2G 2L2	135	98	259.3	257	267	254	11439	443	361	HO	98694
9	**Harbourside Farms** R.R.# 4, Antigonish, B2G 2L2	79	49	256.0	249	253	266	11111	419	378	HO	98772
10	**Curry Knoll Farms Limited** 124 Wharf Rd, Wolfville, B4P 2R3	65	54	255.3	242	276	248	10466	443	342	HO	98187
11	**Allegro Holsteins** 21 Hwy 14, Newport, B0N 2A0	29	25	252.3	254	247	256	11444	415	367	HO	98797
12	**Cornwallis Farms Ltd.** 1258 Belcher Street, Port Williams, B0P 1T0	75	63	252.0	244	262	250	11171	445	364	HO	98728
13	**Bayview Dairy Farm Ltd.** P.O. Box 168, Mabou, B0E 1X0	77	61	250.3	249	250	252	11396	425	367	HO	98647
14	**Brookvilla Holsteins** R R # 2, Inverness County, B0E 3M0	95	81	250.3	244	260	247	11333	450	364	HO	98641
15	**Hillpeak Farm** c/o Greg Archibald, RR #5, Middle Musquodoboit, B0N 1X0	101	79	249.0	242	267	238	11336	463	354	HO	98864
16	**Folly River Farms Ltd.** 347 Gray Road, Debert, B0M 1G0	75	67	246.0	245	252	241	11141	425	348	HO	98853
17	**Musqie Valley Farms** 215 Conrod Rd, Middle Musquodoboit, B0N 1X0	22	19	245.3	246	239	251	7391	386	285	JE	98719
18	**Lone Willow Farm** 2377 Clarence Road, Bridgetown, B0S 1C0	66	51	244.3	237	256	240	10421	418	336	HO	98017
19	**Eloc Farm** 6686 Hwy # 357, Middle Musquodoboit, B0N 1X0	38	34	244.3	238	249	246	10972	427	361	HO	98219
20	**Springauff Farm** 1720 Rte 332, Lunenburg, B0J 2C0	33	27	244.0	251	234	247	11571	399	360	HO	98198
21	**A & J Bent Farms Ltd.** R.R.#3, Lawrencetown, B0S 1M0	127	105	243.3	237	261	232	10851	442	338	HO	98195
22	**Musqie Valley Farms** 215 Conrod Rd, Middle Musquodoboit, B0N 1X0	6	5	242.7	236	245	247	8286	347	284	AY	98719
23	**Langelaan Farms Inc.** 2736 Brooklyn Street, Aylesford, B0P 1C0	175	118	242.0	242	241	243	10976	403	350	HO	98193
24	**Scothorn Farms Ltd.** 8727 Hwy. 14, Hardwood Lands, B0N 1Y0	462	378	241.7	231	262	232	10187	428	324	HO	98752
25	**Kingsmeadow** 5239 Chester Road, Windsor, B0N 2T0	47	38	241.0	234	256	233	10732	435	341	HO	98729

PRINCE EDWARD ISLAND PUBLISHABLE HERDS

	Herd Owner / Address	Records Started	Publishable Records	Avg BCA	BCA M	BCA F	BCA P	M kg	F kg	P kg	Breed	Herd #
1	**Oceanbrae Farms, Fred Barrett** 1081 Belmont Road, R R #1, Miscouche, C0B 1T0	62	43	294.0	295	300	287	8328	341	264	MS	99513
2	**Pondsedge Holsteins** Little Pond, Souris, C0A 2B0	232	183	261.7	264	281	240	11681	461	338	HO	99092
3	**Macbeath Farms Ltd.** 26 Goldenflo Way, Marshfield, C1C 0H4	137	106	255.7	252	265	250	11449	446	361	HO	99577
4	**Howardvale Holsteins** Veterans Hwy 22537, Breadalbane, C0A 1E0	184	151	255.0	246	272	247	10829	445	346	HO	99490
5	**Blue Diamond Farm** R R #1, Kinkora, C0B 1N0	95	72	253.3	242	264	254	11194	453	373	HO	99667
6	**Jewell Dale Farm Inc.** 298 Route 19, Meadowbank, C0A 1H1	108	94	253.0	247	264	248	11203	445	357	HO	99393
7	**Royalwater Holsteins** 1957, Rte #22, Mt. Stewart, C0A 1T0	151	117	252.0	246	270	240	11433	464	354	HO	99094
8	**Winterbay Farm Inc.** 346 Bedford Rd, Route 6, Mt. Stewart, C0A 1T0	110	92	250.0	244	264	242	11094	446	351	HO	99100
9	**Oceanbrae Farms, Fred Barrett** 1081 Belmont Road, R R #1, Miscouche, C0B 1T0	12	10	249.7	262	241	246	7521	373	268	JE	99513
10	**Reeves Farm Inc.** R R 1, Freetown, C0B 1L0	82	70	248.0	238	276	230	10841	466	333	HO	99652
11	**Newland Farms Inc.** 5078 Rte 13, Hunter River, C0A 1N0	264	189	246.0	237	257	244	10502	424	344	HO	99075
12	**Carruthers Farms Ltd.** 2444 Rte 104, Kensington, C0B 1M0	120	100	245.0	246	248	241	11261	423	351	HO	99177
13	**Red Oak Farms** 1463, Oyster Bed Bridge, C1E 0X8	59	47	239.3	238	247	233	10601	408	329	HO	99540
14	**Abelaine Farms Inc.** 309 Rte 258, New Glasgow, Hunter River, C0A 1N0	33	28	239.3	225	257	236	10166	431	339	HO	99523
15	**Eastside Farm Inc.** 330 Frenchfort Road, Frenchfort, C1C 0H1	90	71	239.3	233	255	230	10621	432	334	HO	99519
16	**Nordale Farm** 691 Sunnyside Rd, Route 131, Richmond, C0B 1Y0	88	70	238.0	231	249	234	10398	417	336	HO	99366
17	**Tiny Acres Holsteins** 621 Belmont Road, Miscouche, C0B 1T0	113	92	237.3	238	251	223	10518	411	313	HO	99676
18	**Crasdale Farms** 995 Grand Feve Point Road, Hunter River, C0A 1N0	123	86	236.0	227	248	233	10524	425	342	HO	99543
19	**Forever Schoon Farms** 184 Monaghan Road, Vernon, C0A 2E0	92	67	235.3	226	238	242	7918	343	278	AY	99552
20	**Sandyrae Farms** Brooklyn, Montague, C0A 1R0	86	66	229.7	231	237	221	10350	396	316	HO	99045
21	**Idee Holsteins** 5511 Rte 6, South Rustico, Hunter River, C0A 1N0	48	35	228.0	218	247	219	9868	414	315	HO	99570
22	**Nobra Holsteins** 2179 Irishtown Road Rte 101, Kensington, C0B 1M0	401	321	227.7	229	221	233	10136	363	328	HO	99516
23	**Sudview Holsteins Inc.** 594 Irishtown Road Route 101, Kensington, C0B 1M0	44	35	227.3	222	236	224	10192	403	328	HO	99598
24	**Brackley Farm** 819 Brackley Point Road, Rte 15, Brackley, C1A 1H4	55	43	227.3	222	239	221	10481	420	331	HO	99509
25	**Birkentree Holsteins** 7033 Rustico Road, Hunter River, C0A 1N0	89	70	223.7	216	243	212	9810	410	305	HO	99035

NEWFOUNDLAND PUBLISHABLE HERDS

	Herd Owner / Address	Records Started	Publishable Records	Avg BCA	BCA M	BCA F	BCA P	M kg	F kg	P kg	Breed	Herd #
1	**Larch Grove Farms** 405 Veterans Drive, Cormack, A8A 2R7	181	137	246.3	239	257	243	10902	435	354	HO	99990
2	**Pure Holsteins Limited** P.O. Box 2158, R.R.#1, Corner Brook	103	79	236.7	236	244	230	10572	407	328	HO	99984
3	**N & N Farm Ltd.** 410a Veterans Drive, Cormack	215	171	236.3	232	248	229	10862	431	341	HO	99905
4	**Brophy'S Dairy Farm** P.O. Box 159, Daniel'S Harbour, A0K 2C0	225	165	216.7	210	234	206	9736	402	303	HO	99989
5	**Cornerstone Farm** 14A Veterans Drive, Cormack, A8A 2P8	105	66	205.7	202	206	209	9521	359	312	HO	99903

All data is also published on our website at: *http://www.valacta.com/EN/publications/Pages/dairy-evolution.aspx*

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