



Canadian  
Guernsey

# Guernsey News

*September 2010*



**Past & Present Canadian Guernsey Breeders  
World Guernsey Conference BBQ**

# The 13th Guernsey World Conference - 2010

The 13th Guernsey World Conference was held at the Holiday Inn, Guelph, Ontario in July. It was surrounded by a seven day Western Tour starting in Vancouver and travelling to Calgary. A three day tour of Ontario was the next followed by the conference. A post conference tour of seven days travelling through Quebec, New Brunswick and Prince Edward Island rounded out the trip for many of the overseas visitors. There were 59 participants in total attending the conference. The following is a brief overview of the topics.

The opening speaker of the conference was Keith Woodford from Lincoln University, Christchurch New Zealand. Keith gave the background to the science behind the differences between A1 and A2 Beta Casein and the proven fact that Beta Casomorphin 7 "the Devil in the Milk" as Keith has described it is only released when Beta Casein A1 is digested. There have been new developments with a Russian researcher having designed a blood test for BCM 7 and also in Czechoslovakia where research into child development has produced startlingly differences between children raised on infant formula and those who are breast fed.

One leading US semen supplier revealed that of the 100 proven Holstein sires in their stud 33 were A2xA2 including one bull from who over 1.5 million straws have been sold, but although they have the results they are not published as "there is already too much information" on the proof sheets. All credit then to LIC in New Zealand who do declare the A2 status of all bulls from all breeds. Keith Woodford believes that more than 1/3 of the 4 million cows in New Zealand are now known to be A2xA2 and of course if mated to A2xA2 sires will produce an additional 600,000 heifer calves each year that will be A2xA2.

The second day was heavy going with papers about genomics, a science that is developing at a great pace and that will allow much greater understanding of the genetics of each individual animal and for disease control etc.

Curt van Tassell from Animal Improvement Programs Laboratory with USDA has pioneered most of the work

on the bovine genome. He explained the rapid development of the chips used for testing from the first chip used for parentage, to the current 50 used for more detailed breakdown to the 850 which will soon be commercially available. Much more work remains to be done with the Guernsey but the Holstein and Jersey genomes are already quite well understood and it will be by contrasting and comparing with those that the "best" young bulls for use in AI will be identified. During questions Curt displayed the results from the HAP-Map project from which the bovine genomics have developed and in which Guernsey Island and the USA provided samples and this showed definitive differences between breeds. Jan Phillipson from Interbull looked at fertility trends across the dairy breeds which show that Guernsey fertility has declined by 10 days in 10 years which is slightly greater than in other breeds. Jan then produced three "what if" scenarios. The scenarios looked at the "loss of genetic gain" if a move was made from proven sires to all young sires if fertility was added to the GMI, the loss was predicted at -53% where all young bulls were used. At present only data from daughters of the sire and maternal grandsires are used to calculate Fertility Indexes with no contribution from the cow family (the data has lower reliability) but different measures are used in the US and the UK.

The last conference presenter was Brian van Doormaal the head of the Canadian Dairy Network and CEO of Holstein Canada. Brian explained how genomics will impact on recording services in the future. CDN have an application before the Canadian Government whereby each newborn calf will have a DNA sample probably taken as part of the ear tagging process, which will provide total traceability for beef and dairy as well as all the genetic spin offs.

The real benefit for the conference delegates is to meet with fellow Guernsey breeders from the other countries, to look at cows together, to exchange information about bull progeny and find out what is going on in the Guernsey World.

With the permission of Digby Gribble, UK Guernseys

# 2010 GUERNSEY WORLD CONFERENCE

QUILTED WALL HANGING  
MADE BY KATRINA GORDON,  
DON HAVEN GUERNSEYS



KEITH WOODFORD, NEW ZEALAND  
SPEAKING ON A2 MILK



NEIL PETRENY, GENERAL MANAGER,  
CANWEST DHI AND CONFERENCE MANAGER



MEETINGS



CONFERENCE OPENING



ANDREW CASEBOW, GUERNSEY ISLAND,  
DIGBY GRIBBLE, ENGLAND,  
LYNDON CLEGGETT, AUSTRALIA, JAN  
PHILLIPSSON, SWEDEN AND BILL LUFF,  
SECRETARY, WGCF



AMERICAN CONTINGENT ENJOYING  
LUNCH AND FELLOWSHIP



JOHNATHAN  
WHITE, ENGLAND  
AND TINA WHITE,  
BC, CANADA

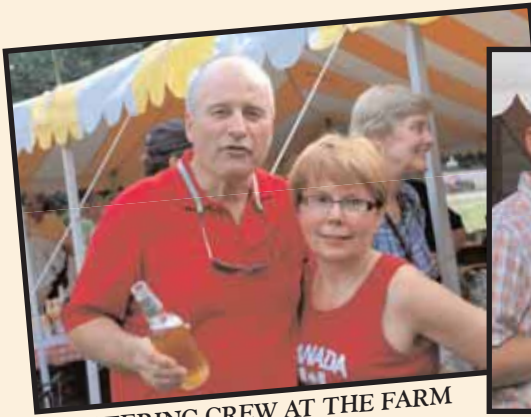


BRAD ROYCE, LISTOWEL, ON, MAKER OF  
GUERNSEY CHEDDAR TALKING WITH RAY  
WATTS, GUERNSEY ISLAND



SETH JOHNSON, AGA PRESENTING A  
KEEPSAKE TO KEN & MARIE MCNABB,  
CALLUMLEA FARM

# 2010 GUERNSEY WORLD CONFERENCE



CATERING CREW AT THE FARM  
MARIE'S FAMILY



SETH JOHNSON, AGA AND  
DON PETERSON, WI



STAN & MILLIE MARSHALL,  
MARSHDENE FARM



GUERNSEY ENTHUSIASTS FROM THE USA



BBQ & AUCTION AT CALLUMLEA  
FARM, NEW HAMBURG, ON



BBQ MEAL AT THE FARM



THANK YOU TO THE DONORS OF THE AUCTION ITEMS



BEAUTIFUL EVENING FOR AN OUTDOOR EVENT



L - R - MAURICE BICHARD AND CECILIA BISSON OF  
ENGLAND AND RAY WATTS, GUERNSEY ISLAND

# WGC Wrap Up

*Thank you's are very important in this world and I would like to list a few of them which I feel had a large part in delivering a successful World Conference and Tours.*

- The Canadian Guernsey Association's board members for giving me this opportunity and for their direction and guidance in the process
- Bill Luff and Cecilia Bisson of the WGCF for their communications with the why's and the where for's
- Our Canadian breeders who welcomed, hosted, entertained and fed the tours on their farms
- The Holiday Inn and Terri Monte for going above and beyond to provide the venue and adjust to changes made on the fly
- Our industry partners for supporting the conference in such tangible ways
- Nellie Endeman, Doris Curran and Jessie Weir for their positive influence and willingness to assist in the delivery of this conference
- For the auction – donations from the guest countries, Canadian breeders and CGA. The silent and live auctions with the sales of cow banks, cards and foto balls raised almost \$4500 for the conference.
- Tina White and Rob Forster for their generosity in accompanying the tours as representatives of CGA and Leith West for his assistance in the East.

## Canadian National Guernsey Show 2010

*September 24, 2010*

10:00 A.M., Ancaster Fairgrounds  
630 Trinity Rd, Jerseyville, ON  
Judge: Brian Schnebly,  
US Guernsey Association, Ohio



2009

*Reserve Grand Champion  
Maplehurst Tiller Amen*

*Grand Champion  
Maplehurst Russ Music*

### Rockton World's Fair Guernsey Show

October 11, 2010, 1:00 p.m.

Entry deadline is September 30/10 to the Rockton Fair  
Office, Box 38, Rockton, ON, L0R 1X0  
or Fax 519-647-3899.

Details regarding the show are at  
[www.rocktonworldsfair.com](http://www.rocktonworldsfair.com)

## Passings...

PEAKER, John (Jack) Morley - passed away peacefully at Riverside Glen on Friday, September 3, 2010 at the age of 85. Beloved husband of the late Iris Amelia (2007), whom he met in 1950 when she came from England to work for Acme Carbon and Ribbon Company in Toronto. They were the loving father and mother of Alison Mathieu, Marie Male (Steven) and Avril Swanston (Alan). Dear grandfather of Matthew, Laura and Jeffrey. Also survived by loving sister Nora (Bill) Watson of Kemptville. Predeceased by parents Cora and Morley Peaker, brother Jim and his wife Gwen. Survived by many nieces and nephews and friends. Jack's 26 years in the carbon and ribbon industry included positions of Sales Manager for Burroughs Business Machines in Toronto and Vancouver. A later move to Montreal as General Manager lead to a change of careers. In 1971 he became General Manager of the Canadian Angus Association and in 1981 General Manager of the Canadian Guernsey Association in Guelph. Between 1987 and his retirement in 2002 he was a financial consultant with Regal Capital Planners of Guelph. Club Memberships included Rotary Club of Guelph for 24 years, Guelph-Wellington Men's Club, St. George's Snow Shoe Club, life member of Canadian Professional Sales Association, life member of the Canadian Angus Association and the Dairy Shrine Club. He served as Deputy People's Warden at St. George's Anglican Church. In retirement years he was a life member of the Probus Club of Guelph, the Evergreen Senior's Computer Club, Walking Club and Writer's Club where he wrote a monthly article for their Sentinel Publication.

Friends were received at the WALL-CUSTANCE FUNERAL HOME & CHAPEL, 206 Norfolk St., Guelph, Thursday, September 9 from (6-8 p.m.). Funeral service will be held at St. George's Anglican Church, 99 Woolwich St., Guelph on Friday, September 10, 2010, at 2 p.m., with visitation at the church 1 hour prior to the service. Memorial contributions to St. George's Anglican Church, Guelph or to the cha

A tree will be planted in memory of John M. (Jack) Peaker in the Wall-Custance Memorial Forest, University of Guelph Arboretum. Dedication service, Sunday, September 18, 2011 at 2:30 pm.



## 2010 World Guernsey Conference Partners

We would like to acknowledge the following businesses and individuals as Partners for the 2010 World Guernsey Conference.

### Grass Roots (up to \$250)

Farm Credit Canada

Milverton-Wellesley Vet Clinic

Clark Agri-Service

Scotiabank

Woodrill Ltd

Bruce & Sherry Telfer, Paris

The Warriner Family, Sunderland

Embryo Farm Systems & Performance Dairy

Eldale Vet Clinic

Purina Agribands

### Silver (\$501 - \$750)

Dairy Farmers of Ontario

B W Feed & Seed

Halwell Mutual Insurance

### Bronze (\$251 - \$500)

CanWest DHI

RLB LLP Accounting

Select Sires

St. Jacobs ABC

CIBC Securities

Coop Feed Mill, Moncton

John Deere

Region of Durham

### Gold (\$751 - \$1000)

Pioneer Hi Bred

GayLea Foods

### Platinum (\$1001 - \$2000)

Gencor

Semex Alliance

The Cooperators

Syngenta Seeds & Warriner Seeds

Holiday Inn, Guelph

Nutreco

# Thank you!

**On behalf of the Guernsey Board of Directors I would like to thank you Murray for your years of service to the Guernsey breed. You will be truly missed!**

## World Guernsey Conference Income Statement

Jan 1 - Sep 1, 10

Income	
Auction	5,937.00
Conference Registrations	23,115.00
Grant Revenue	9,585.17
Partners	10,977.00
Sales	230.00
<b>Total Income</b>	<b>49,844.17</b>

Expense	
Administration	486.13
Advertising	670.00
Auction Expenses	1,941.51
Conference Meals & Rooms	20,771.73
Coordinator Expenses	6,000.00
Entertainment	200.00
Fieldman	1,200.00
Marketing	9,836.90
Reimbursed Expenses	0.00
Sundry	180.94
Tour Expenses	558.75
<b>Total Expense</b>	<b>41,845.96</b>

Net Income 7,998.21

In addition to the Partners revenue there is another \$5000 of in-kind donations. This is an accrual statement which includes any payables and receiveables which are outstanding.

Respectfully submitted,  
Marie McNabb  
Conference Coordinator

## OPEN HOUSE In Honour of Murray Reissner



Please join us as we celebrate and thank Murray Reissner for 41 years of service with WOBI/Gencor.

**Sunday, Sept. 19, 2010**  
**Ingersoll Golf & Country Club**  
**51 Holcroft St. West**  
**Ingersoll, ON 519-485-3030**  
**Time: 1 - 4 p.m.**  
**Light Refreshments Provided**

## World Conference Greetings

"Greetings World Guernsey Conference members, friends and guests. I hope that you will thoroughly enjoy your conference tour here in Ontario and the rest of Canada.

I have wonderful memories of attending the 1986 World Guernsey hosted by the Australian Guernsey Association. The hospitality, the Royal Show, the farm tours and sightseeing were second to none. I understand some of the Cleggetts are here today, and I'm sure Ken & Marie your hosts today, will ensure you and everyone participating will have similar unforgettable memories long after you return home.

One of the best things about the `purebred cattle fraternity` are the friends we make and keep, often for generations. My father was in 4-H with Ken's Dad in Halton County. As boys they showed at the CNE and our RAWF. One of my lifelong friends Colleen (Lott) Kerby was Lloyd Balsdon's Queenholm Herd Manager for a number of years. Her dad, Alan Lott also had a Guernsey herd. Ken Forester Jr. was a 4-H friend and leader also from my home County of Wentworth. I still hear from Toni Robinson (NSW) and Jill & Rodney Hobson (Queensland).

I wish I could have joined you tonight and I just wanted to say hello and wish everyone a most enjoyable and memorable time. Enjoy the best of Canadian hospitality and safe travels home everyone."

Rosemary Peer, was the Canadian and Ontario Guernsey Association General Manager 1985-86. Since then she has worked internationally in South East Asia doing Agricultural Development work for more than 12 years, as well as within the Agriculture College system in western Canada and contract consulting with the Ontario Ministry of Agriculture & Rural Affairs. Currently she lives on the south shore of Georgina Bay with her husband Brian & 2 farm cats.

Rosemary E. Peer

## A Fond Farewell...

To All My Guernsey Friends:

Well, the time has come for me to say farewell.

As many of you may already know, I have decided to point my life in a new and different direction and as such took an early retirement from the A.I. business after more than 41 years. Let me assure you the decision was not an easy one!

Since late 1973 I have had the opportunity of working with a wonderful group of people who have a passion for the Guernsey cow. Little did I know about the breed way back then but, this "Golden Girl" has allowed me innumerable opportunities over the course of my A.I. career. It was a learning process that I will never forget especially in the days of the "sire committee". What fond memories I have of those many trips selecting bulls for the young sire program.

I have certainly enjoyed being the Guernsey Sire Analyst for the National Guernsey Young Sire Program on behalf of Semex. This position has allowed me to travel the world on behalf of Guernsey cows. I have made many, many friends world wide because of this golden cow.

Many of my memories will be from the many judging assignments both here in North America and in several other countries. I thank you for entrusting me to judge the Canadian National Guernsey Show on 2 occasions, once when it was held at the Royal Winter Fair and again just last year in Ancaster.

Although cow numbers have declined dramatically over time, one thing has never changed. Guernsey cattle breeders are some of the finest people you will ever meet anywhere! No doubt in my mind!!!

It is still in my plans to attend your shows both here and in Madison. I have many, many fond memories of leading Guernsey cows at World Dairy Expo, working sales and reading pedigrees at National Sales and dispersals etc. I look forward to the day when a Guernsey cow will again be crowned "Supreme Champion" at World Dairy Expo.

Thank you again for a lifetime of memories

Kindest regards,  
Murray L Reissner

*Harley Nicholson of The Semex Alliance is the new Guernsey Sire Analyst replacing Murray Reissner after many years of purchasing bulls for the Guernsey breed.*

## Fieldman Report - Fall 2010

The Canadian Guernsey Association proudly hosted the 13th World Guernsey Conference in July. This event spanned the entire country as well as a speck of Washington State with the Conference itself taking place in Guelph from July 13-16. I would like to thank – The breeders for opening their barns and homes to delegates; the sponsors for supporting this fabulous event; the speakers for offering their insights to issues affecting our breed; the delegates for sharing their views of the Guernsey world among other things; the Western Tour hosts – Peter and Tina White; the administrative team (Bill Luff, Nellie Endeman, Cecilia Bisson) for their organizational skills and last but not least Marie McNabb for her attention to detail. I would also like to thank the Canadian Guernsey Association for allowing me to act as the host for the Ontario/Quebec/Eastern Provinces portion of the tour. This allowed me connect with the delegates and reconnect with the breeders. As many will agree, we left the conference knowing that we have some work to do in order to grow our breed. However, where there are challenges there are also opportunities. I will explore these opportunities in the upcoming Guernsey Journal to be released in December. The next conference is scheduled for Guernsey Island for 2013 which promises to be the trip of a lifetime. Glen Haven Lewis Lana is the new #1 LPI cow for Aug

2010. At 1-10 she has a projection of 8615 kgs of milk, 394 kgs of fat(4.5%) and 300 kgs of protein(3.6%) for BCA's of 295-272-288. Lana is owned by the MacGregor family of Crysler, ON. The next 3 cows on list are owned by the Gordon family of Keswick Ridge, NB – Guernsey View Kit's Ruby, Maplehurst Lewis Brea and Maplehurst Lewis L.C. The #5 LPI cow is Eby Manor Lewis Secelia owned by Eby Manor Ltd. of Waterloo, ON. All of the top 5 animals are sired by Trotacre Enhancer Lewis who continues to lead the breed in LPI in Canada.

The National Guernsey Show will be held on September 24 at the Ancaster Fairgrounds. This is the highlight of the year and an opportunity to showcase the best that the Guernsey breed has to offer. We are pleased to have Brian Schnebly from the American Guernsey Association as our judge. A little over two weeks later on October 11 our breed will be able to parade our Golden Girls at the Rockton World's Fair. These events are unique in that Guernseys are the only dairy breed that will be exhibited at these fairs with the exception of 4-H competitions. Contact me for more information. I hope to see exhibitors and Guernsey enthusiasts alike at these two shows.

Submitted by: Rob Forster



# 2010 Guernsey Journal

*The Canadian Guernsey Journal is produced once a year in December. Submit your ad information and pictures to the Administration office by: November 12, 2010*

## Journal Advertising Rates

Size	Member Rate	Non Member Rate
Full Page	\$240	\$420
Half Page	\$150	\$240
Third Page	\$120	\$180
Quarter Page	\$100	\$150
Front Cover	\$360	n/a

All advertisements in the Journal are in full colour.

Canadian Guernsey Association  
5653 Hwy 6 North, R R #5  
Guelph, ON, N1H 6J2  
Email: [info@guernseycanada.ca](mailto:info@guernseycanada.ca)  
Phone: 519-836-2141  
Fax: 519-763-6582

## CDN Genetic Evaluation Highlights

“Lewis” and Daughter Lead LPI Lists for Guernsey Breed Trotacre Enhancer Lewis ET continues to lead the breed at #1 LPI, still followed by Double L, Jordan, Bingo and Krunch to round out the Top 5 LPI list. The only bull receiving his first official LPI is Coulee Crest Luxury Skipper-ET, who was first proven in the US and arrives at #34 LPI. Lewis is also sire of the new #1 LPI cow, namely Glen Haven Lewis Lana (#1 Fat, tied #4 Protein), who is a daughter of Glen Haven Double Bubble at #8 LPI. In addition, Guernsey View Kit’s Ruby (#2 LPI) again surpasses Maplehurst Lewis Brea (#3 LPI) and Maplehurst Lewis L.C. jumps from #10 to #4 LPI. Daughters of Lewis complete the Top 5 LPI list with Eby Manor Lewis Secelia at #5. After Lana, the second highest newly indexed cow this round is Maplehurst Royalty Reba at #23 LPI.

## Holstein Canada Appoints New Chief Executive Officer!

June 15, 2010 - The Holstein Canada Board of Directors proudly announced the appointment of Brian Van Doormaal as Chief Executive Officer, effective June 21, 2010. Brian will also maintain his current responsibilities as General Manager of Canadian Dairy Network (CDN). Holstein Canada President, Germain Lehoux, summarized this strategic agreement with CDN; “The process initiated late in 2009 by Holstein Canada to engage a new CEO has now been accomplished and has simultaneously opened the opportunity for achieving the long established industry vision of continued structural streamlining.” Grant Roy, Chairman of the CDN Board of Directors supported this action stating “Both organizations are governed by producers to provide breed improvement services and programs to producers and industry partners. Given the similarity of core activities and competencies, the sharing of Brian Van Doormaal to lead both

organizations is not only logical but is expected to facilitate the vision recently established by all breed associations to work towards a common service provider, following the example of the Multi-Breeds Classification system.”

Brian Van Doormaal has 24 years experience in the Canadian dairy cattle improvement industry, which includes a very successful 15-year tenure taking CDN to its current leadership position as a world-recognized national genetic evaluation centre. Reacting to this new appointment and dual responsibilities, Brian Van Doormaal stated “I am honoured and privileged to have this opportunity to manage both companies as the industry initiates a process towards achieving the industry vision aimed at gaining efficiencies for the benefit of Canadian dairy producers.”

# Tattoo letter for 2010 is X

## Holstein Canada and Semex Alliance Partners Launch National 3K Genomic Testing Pilot Project

JULY 26, 2010 – With the aim of providing Canadian national genomic testing services for various dairy breeds, Holstein Canada and Semex Alliance along with its four partners CIAQ, EBI, Gencor and Westgen, launched a pilot project using the new 3K genotyping panel recently released by Illumina. This project will also test the use of nasal swabs produced by Canadian-based DNA Genotek for the collection of tissue rather than tail hair samples.

The partnering of Holstein Canada and Semex Alliance provides the foundation for a nationally based program to facilitate genomic testing by Canadian dairy producers. With joint cooperation on all genomic testing services and the distribution of nasal swab kits, maximum efficiencies are achieved without duplication at the farm level. Several tissue collection systems are being considered with a view of streamlining the entire handling process from the producer to the laboratory, which has led to the pilot project for nasal swabs.

Since November 2008, Holstein Canada and Semex Alliance have collaborated in establishing genotyping services with a Canadian laboratory, DNA LandMarks, using the 50K panel. Since August 2009, resulting genotypes have been used to increase the accuracy of genetic evaluations offered by Canadian Dairy Network (CDN). The arrival of the new 3K panel offers a lower cost option for providing genomic evaluations of similar accuracy and therefore the opportunity for broader usage within and across dairy herds in Canada.

The pilot project involves 295 females in 36 herds from across the country with all DNA samples submitted by August 10th. Genotyping by DNA LandMarks shall be completed by August 25th and unofficial genomic evaluations will be provided to herd owners by October. Starting in September 2010, a full scale joint national program, named GenoTest, will offer genomic testing services for both the 3K and 50K panels and will be widely promoted and encouraged by Semex Alliance partners and Holstein Canada.

## 2010 World Dairy Expo Guernsey Show and Sale Schedule

### Thursday, September 30

1:30 PM International Guernsey Show – heifers (C)  
7:00 PM International Guernsey Classic Sale (SP)

### Friday, October 1

7:30 AM International Guernsey Show – cows & groups (C)

### Saturday, October 2

5:00 PM Parade of Champions and Selection of 2010 Supreme Champion (C)

## Classification Schedule August 2010 – October 2010

### Early August

On – Grenville, Lanark, Grey, Bruce, Huron  
Qc – mid round: Bellechasse  
Qc – L'Assomption, Montcalm, Maskinonge, St. Maurice,  
Qc – mid round: Montmagny, LI'slet  
Alberta: mid round

### Mid August

Qc – Champlain, Laviolette, Portneuf  
Manitoba: mid round

### Late August

On – Halton, York, Peel, Simcoe, Dufferin, Ontario  
Qc – Lac St. Jean, Roberval, Lapointe, Dubuc, Charlevoix, Chicoutimi

### Early September

On – Northumberland, Victoria  
On – mid round: Middlesex, Lambton, Elgin, Essex & Kent  
Qc – Vaudreuil, Soulanges, Huntingdon, Chateauguay, Beauharnois  
Qc – mid round: Kamouraska  
PE, NB, NS, NL

### Mid September

On – Durham, Peterborough, Hastings, Prince Edward, Waterloo  
Qc – Laprairie, Napierville, St. Jean, Iberville, Shefford  
Qc – mid round: Riviere Du Loup, Temiscouata  
Saskatchewan

### Late September

On – Lennox & Addington, Frontenac  
Qc – Richmond, Missisquoi  
Qc – mid round: Rimouski, Matapedia, Matane, Bonaventure, Arthabaska, Megantic, Wolfe

### Early October

On – Wellington  
On – mid round: Oxford  
Qc – Brome, Sherbrooke, Compton, Stanstead

### Mid October

On – Northern Ontario  
On – mid round: Perth  
Qc – mid round: Lotbiniere, Yamaska, Nicolet

### Late October

On – Dundas, Stormont  
Qc – Frontenac, Beauce

**CDN Press Release**  
**2010 Dairy Cattle Improvement Industry**  
**Distinction Award Conferred to**  
**Dr. Jacques Chesnais**

Dr. Jacques Chesnais, Senior Geneticist at The Semex Alliance has been selected by the CDN Board of Directors as the 2010 recipient of the Dairy Cattle Improvement Industry Distinction Award.

CDN Board Chairman, Grant Roy, summarized this selection stating "Dr. Chesnais has been instrumental in realizing several Canadian research projects in the area of genomics, which ultimately positioned Canada with the ability to introduce official genomic evaluations starting August 2009. There is no doubt about the benefits that dairy producers and industry stakeholders will realize with this early adoption of genomics in Canada."

Dr. Jacques Chesnais joined The Semex Alliance team in 2003 as Senior Geneticist and immediately developed a broad-based genomics research program involving collaboration between L'Alliance Boviteq, University of Guelph and University of Alberta. Early genomic initiatives used microsatellites, but moved quickly to SNP panels, first with 1,500 markers, then 10,000 and eventually to the now common 50K panel. In 2010, Jacques was also involved with the research that led to the whole genome sequencing of Braedale Goldwyn.

Dr. Chesnais has consistently demonstrated his leadership and vision aimed at advancing new technologies in the area of genomics, and genetic improvement in general, to a point of implementation to the benefit of Canadian dairy producers. His outstanding

## **Administrator's Message....**

It gives me great pleasure on behalf of Gencor to offer administrative services to the Guernsey membership. As mentioned in the last newsletter, Doris Curran has accepted a full time position with 4-H Ontario and began her new career in July. It has been a pleasure working with Doris for the last few years at Gencor and I wish to thank her for her guidance during this transition. For the past 25 years I have enjoyed working for Gencor. I will continue my roles with Gencor, the Brown Swiss/Braunvieh breed and expand to include the Guernsey breed.

At a recent Guernsey Board of Directors Conference Call, the decision was made at the request of Gencor, to have the Administrator role held by Nellie Endeman and the Administration role held by Jessie combine to one contact person at the office. Nellie will continue to offer auditor services of the financial statements at year end, however all other inquires can be forwarded to myself. A special thank you to Nellie Endeman for her years of work with the Guernsey breed! Nellie contributed greatly with her accounting experience, photography abilities, creative work with brochures, notepads, farm summaries, coordination of the World Guernsey Conference just to say a few. I know Nellie has a place in her heart for the Guernsey breed and I am sure she will be close by at various events. Thank you Nellie!

I am pleased with the opportunity to work with the Ontario and Canadian Boards for the betterment of the Guernsey membership and look forward to meeting many of you at the upcoming National Guernsey Show in Ancaster.

Enjoy your day!

Jessie Weir  
Administrator

## **Special Thanks to Doris Curran**



Doris Curran receiving a thank-you gift from Ontario President, Scott Gordon and Canadian Vice President, Jim Eby.



## The Magic of “Imputation”

The technology of genomics continues to evolve rapidly. While the methods used by Canadian Dairy Network (CDN) to compute genomic evaluations have reached a level of consistency, significant development has occurred in terms of the technology available for genotyping animals. For this reason, there are two new genotyping panels to be released by Illumina in the near future. This article briefly describes the coming technology and how it will be used for genetic evaluations in Canada.

### Different Panels for Genotyping

In Canada, North America and most of the rest of the world, genotyping of dairy animals has been done using a panel produced by Illumina that has roughly 58,000 markers equally spaced across the 30 chromosomes that make up the bovine genome. For simplicity, this panel has been termed the “50K panel” and, so far, over 45,000 Holsteins have been genotyped in North America using this panel.

In July or August 2010, Illumina is expected to release a lower density panel for commercial use to genotype dairy animals. In Canada, Holstein Canada will add this level of genotyping to the services already provided using the 50K panel, likely in conjunction with industry partners. The major difference to breeders will be the reduced cost of under \$50 for genotyping using this panel consisting of 3072 markers (or SNPs). Known as the “3K panel”, genotyping of heifers and cows is expected to rapidly expand to include a broader group within the Canadian Holstein population rather than just the elite. In developing this 3K panel, researchers identified the optimal subset of the markers already included on the 50K panel, therefore maintaining a consistent group of about 3,000 markers for all genotyped animals.

In the coming months, Illumina is also expected to release a new panel to be termed the “Bovine HD” panel, where HD refers to high density. Details presently available indicate this panel will include roughly 850,000 markers, which is 17 times more than the current standard 50K panel. With 850,000 equally spaced markers spread across the entire bovine genome the distance between each one is significantly reduced compared to using only 50,000 markers. In terms of genotyping cost, the 850K panel is expected to cost more than the current price for the 50K panel but exact rates are yet to be finalized by Illumina.

### Why the Three Different Panels?

What are the benefits of having the 3K, 50K and 850K (Bovine HD) panels all available for genotyping dairy animals? For the 3K panel, the most obvious answer to this question is price since genotyping with it will be far more economical for large scale genotyping compared to the costs for either the 50K or the Bovine HD panels. Although the Bovine HD panel will surely be priced higher than the 50K panel, the huge jump in number of markers is expected to give greater accuracy in the resulting genomic

evaluations. For this reason, the planned strategy for using these three different panels includes genotyping very large numbers of heifer and bull calves with the 3K panel as a tool for basic population screening; genotyping A.I. sires and cows with the 50K panel; and genotyping key reference proven sires in the population with the Bovine HD panel to ensure the maximum accuracy possible when estimating the effects of the different markers on each trait of interest.

## **Genotypes and Haplotypes**

The DNA in each cell of an animal is made up of a long series of molecules, known as nucleotides. In fact, it is structured with two parallel strings that are connected at each molecule, forming the double helix structure well known to represent DNA. Across the entire bovine genome, the string of paired molecules counts more than 3 billion in total and together they form the estimated 30,000 genes in dairy cattle. There are only four nucleotides that make up DNA, which are labelled as A, C, G or T. In the double helix structure of DNA, these molecules are paired in combinations such as AA, AC, AG, AT, CA, CC, CG, CT, etc... An animal's genotype refers to the pairs of molecules inherited by the animal from its parents at specific points within its DNA. One molecule is inherited from the sire and the other from the dam but simply knowing the genotype does not identify the parental source of each DNA molecule.

However, each parent transmits its DNA to its progeny in very large blocks, which gradually get broken up over many generations. Examining the genotypes of many related animals, as is done with the 50K panel currently, identifies the blocks of DNA that remain constant across the population and transmit from parent to progeny. These blocks are called haplotypes and once most have been identified the genotype of an animal can be used to determine which haplotypes were inherited from each parent.

## **Imputing Genotypes**

Given the availability of tens of thousands of genotypes based on the 50K panel, researchers have been able to determine the most frequent haplotypes in a given breed population. Genotypes from the 3K panel can be used to identify the DNA blocks an animal received from its sire and dam, which helps rebuild the animal's 50K genotype. This process is referred to as "imputation". The major advantage of imputation is that many animals can be genotyped using the lower cost 3K panel but if there are sufficient other animals, especially family members, already genotyped with the 50K panel, the 3K genotypes can be imputed to become 50K genotypes with relatively high accuracy.

## **Using Imputed Genotypes in Genetic Evaluation**

Once Holstein Canada is able to launch its service to allow Canadian breeders to genotype their heifers and cows with either the 3K or 50K panel, CDN will subsequently start receiving the resulting 3K genotypes. Using the developed systems, the 3K genotypes will be used to impute a 50K genotype for each animal along with an associated level of imputation accuracy. It is intended that these imputed 50K genotypes will be included in the official genetic evaluations to be released by CDN in December 2010.

## Summary

Following extensive use around the world of the standard 50K panel available since the end of 2007, Illumina will soon be releasing a new 3K panel and the Bovine HD panel with 850,000 markers is expected later this year. This portfolio of genotyping panels allows for a strategic use of each panel to maximize the possible returns while minimizing genotyping costs. Of major benefit has been the development of methods for imputing 50K genotypes from 3K genotypes, which basically means filling in the genotypes for the other ≈47,000 markers not evaluated in the 3K panel. The magic of imputation is expected to provide nearly the same increases in accuracy of genetic evaluation with the 3K panel compared to what would have been achieved if all animals had been genotyped with the 50K panel. Imputed genotypes from the 3K panel are scheduled to be included in official genetic evaluations starting December 2010.

Author: Brian Van Doormaal

Date: June 2010

### 2010 Excellents

Registration	Animal Name	Class	Owner
GUCANF8838476	LINDRIAN GARRETT PIPPY 465	EX 92 2E	JOHN & LINDA TAMIS
GUCANF10034083	MAPLEHURST LORAL'S MELODY	EX 90 4E	KEN D FORSTER
GUCANF8508412	GUERNSEY VIEW JAYDEN'S NIKKI	EX 90 3E	CEDAR RIDGE FARMS LTD
GUCANF8531557	MAPLEHURST POKER FANCIFUL	EX 90 3E	KEN D FORSTER
GUCANF7545452	DON HAVEN DEEMAND VESPA	EX 90 1E	JOHN W GORDON
GUCANF7433737	MAPLEHURST LES BUTTONS	EX 90 1E	KEN D FORSTER

Congratulations to the breeders and owners of these great animals!

### 2010 Very Good Two Year Olds

Registration	Animal Name	Class	Owner
GUCANF9594144	MAPLEHURST ROYALTY REBA	VG2 87	KEN D FORSTER LYNDEN ON
GUCANF7433780	MAPLEHURST DECISION OPHELIA	VG2 86	KEN D FORSTER LYNDEN ON
GUCANF9612229	EBY MANOR SHOWTIME VELVET	VG2 85	EBY MANOR LTD WATERLOO ON
GUCANF9598023	COMFORT FARMS MISS ROGERS	VG2 85	COMFORT FARMS LTD ST. ANNS ON
GUCANF9594148	MAPLEHURST ROMEO FANCY	VG2 85	KEN D FORSTER LYNDEN ON
GUCANF9594151	MAPLEHURST MENTOR LAKISHA	VG2 85	KEN D FORSTER LYNDEN ON

# Production Records (January - August 2010) Ranked by Composite Milk, Fat & Protein

Yearlings	GP	DIM	Milk	Fat	%F	Prot	%P	Milk		BCA		Total					
								BCA	Prot	BCA	Prot		BCA	Prot			
1 GUCANF9668872	GP	83	1	10	352	7035	293	4.2	233	3.3	248	209	231	688	EBY LAWN FARM	LISTOWEL	ON
2 GUCANF7541860	GP	80	1	10	308	6098	288	4.7	223	3.7	218	206	223	647	JOHN & LINDA TAMIS	SURREY	BC
3 GUCANF7860499		1	11	279	5058	263	5.2	175	3.5	185	192	181		558	KEVIN HIGGS	ABBOTSFORD	BC
4 GUCANF8676642	GP	83	1	10	370	5017	234	4.7	184	3.7	179	167	184	530	ALAN SPENCE	VANKLEEK HILL	ON
5 GUCANF9644866	GP	81	1	8	279	4051	196	4.8	128	3.2	150	146	133	429	LEON FARMS LTD	NEUSTADT	ON
6 GUCANF9598017		1	11	190	2684	95	3.5	89	3.3	95	68	89		252	COMFORT FARMS LTD	ST. ANNS	ON
Jr. 2 Yr Old																	
1 GUCANF7541851	G	79	2	3	383	10356	426	4.1	339	3.3	360	294	332	986	JOHN & LINDA TAMIS	SURREY	BC
2 GUUSAF68009960	VG	87	2	4	550	8690	459	5.3	310	3.6	302	317	304	923	EBY MANOR LTD. & BROWN EDEN FARM	WATERLOO	ON
3 GUCANF8860686	G	76	2	0	408	8491	371	4.4	280	3.3	291	256	269	816	EBY MANOR LTD	WATERLOO	ON
4 GUCANF7703657		2	0	524	7809	327	4.2	254	3.2	260	219	237		716	GARY WEST	DUNDAS	ON
5 GUCANF703651	GP	81	2	5	463	8093	328	4	255	3.1	264	213	234	711	GARY WEST	DUNDAS	NB
6 GUCANF9589068		2	5	381	6820	328	4.8	248	3.6	235	225	241		701	GARY WEST	DUNDAS	NB
7 GUCANF8860685	GP	81	2	0	417	6526	357	5.5	226	3.5	222	245	215	682	EBY MANOR LTD	WATERLOO	ON
8 GUCANF9612221	VG	85	2	1	324	6314	296	4.7	228	3.6	227	213	230	670	EBY MANOR LTD	WATERLOO	ON
9 GUCANF7433757	GP	82	2	5	444	7174	334	4.7	241	3.4	230	214	217	661	KEN D FORSTER	LYNDEN	ON
10 GUCANF9612224	GP	84	2	2	367	6408	275	4.3	223	3.5	230	195	225	650	EBY MANOR LTD	WATERLOO	ON
11 GUCANF7921937	GP	83	2	2	298	6084	297	4.9	227	3.7	214	208	225	647	BROWN EDEN FARMS	SHELburne	ON
12 GUCANF8860688	GP	82	2	1	340	6103	306	5	226	3.7	209	208	217	634	ALAN SPENCE	VANKLEEK HILL	ON
13 GUCANF9589074		2	3	388	6108	292	4.8	224	3.7	212	201	220		633	GARY WEST	DUNDAS	NB
14 GUCANF9589078		2	3	324	6195	270	4.4	220	3.5	220	190	220		630	GARY WEST	DUNDAS	NB
16 GUCANF9594147	GP	83	2	0	305	6180	266	4.3	216	3.5	217	186	214	617	KEN D FORSTER	LYNDEN	ON
17 GUCANF7868036	VG	85	2	1	431	6769	272	4	216	3.2	227	184	204	615	ROB BEYNON	MAPLE	ON
18 GUCANF7703654		2	4	384	6223	310	5	225	3.6	203	203	206		612	GARY WEST	DUNDAS	NB
19 GUCANF8860695	GP	82	2	5	315	5862	297	5.1	211	3.6	203	202	205	610	EBY MANOR LTD	WATERLOO	ON
20 GUCANF7433774	GP	83	2	1	346	6239	298	4.8	203	3.2	211	203	193	607	BRADALE FARMS	ORANGEVILLE	ON
21 GUCANF7924800	GP	80	2	2	316	5888	309	5.2	208	3.5	199	209	198	606	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB
22 GUCANF8979106	GP	82	2	0	325	5664	269	4.8	196	3.5	205	194	198	597	JOHN W GORDON	ROCKWOOD	ON
23 GUCANF8860697	GP	84	2	0	370	6152	269	4.4	202	3.3	214	187	196	597	ALAN SPENCE	VANKLEEK HILL	ON
24 GUCANF9589067		2	3	467	5997	294	4.9	213	3.5	200	196	199		595	GARY WEST	DUNDAS	NB
25 GUCANF9612222	GP	83	2	0	344	5370	281	5.2	195	3.6	194	202	197	593	EBY MANOR LTD	WATERLOO	ON
Sr. 2 Yr Old																	
1 GUCANF7645039	GP	80	2	9	615	7685	333	4.3	241	3.1	247	211	217	675	COMFORT FARMS LTD	ST. ANNS	ON
2 GUCANF7703658		2	7	344	6452	308	4.8	238	3.7	221	208	229		658	GARY WEST	DUNDAS	NB
3 GUCANF7645048	G	72	2	6	533	6955	273	3.9	242	3.5	229	178	224	631	COMFORT FARMS LTD	ST. ANNS	ON
4 GUCANF8860671	VG	85	2	11	314	6765	312	4.6	239	3.5	217	197	215	629	EBY MANOR LTD	WATERLOO	ON
5 GUCANF7679997	G	78	2	10	335	7547	296	3.9	251	3.3	231	182	216	629	BIG SPRING FARMS LTD	KITCHENER	ON
6 GUCANF7776244	VG	85	2	11	338	6557	356	5.4	240	3.7	199	216	205	620	JOHN W GORDON	ROCKWOOD	ON
7 GUCANF7433767	VG	85	2	6	368	6298	335	5.3	206	3.3	203	215	187	605	KEN D FORSTER	LYNDEN	ON
8 GUCANF7680006	VG	85	2	11	327	6276	281	4.5	214	3.4	205	181	196	582	EBY MANOR LTD	WATERLOO	ON
9 GUCANF8686745	GP	80	2	11	346	6545	286	4.4	225	3.4	199	173	192	564	COLIN MACLEOD	EMBRO	ON
10 GUCANF7868032	GP	80	2	9	313	5980	246	4.1	192	3.2	201	163	181	545	ROB BEYNON	MAPLE	ON
11 GUCANF7897014	G	78	2	9	377	4875	262	4.7	189	3.4	175	163	166	504	WANAMAKER BROTHERS	NAUWIGAWAUK	NB
12 GUCANF7703653		2	8	367	4875	221	4.5	163	3.3	161	144	151		456	GARY WEST	DUNDAS	NB
13 GUCANF7897033	G	73	2	7	307	4330	224	5.2	163	3.8	141	145	150	436	WANAMAKER BROTHERS	NAUWIGAWAUK	NB
14 GUCANF7897021	G	70	2	7	307	4364	192	4.4	148	3.4	145	126	138	409	WANAMAKER BROTHERS	NAUWIGAWAUK	NB
15 GUCANF7703652		2	8	244	3994	179	4.5	140	3.5	134	118	132		384	GARY WEST	DUNDAS	NB
Jr. 3 Yr Old																	
1 GUCANF7433726	VG	85	3	2	689	9620	688	7.2	314	3.3	301	427	275	1003	KEN D FORSTER	LYNDEN	ON
2 GUCANF7911202	GP	82	3	2	359	10722	472	4.4	353	3.3	343	299	318	960	KENNETH MCNABB	NEW HAMBURG	ON
3 GUCANF8860676	GP	84	3	0	406	8649	435	5	332	3.8	280	279	302	861	EBY MANOR LTD	WATERLOO	ON
4 GUCANF8508433	VG	86	3	5	481	9658	482	5.1	304	3.2	279	282	251	812	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB
5 GUCANF7703639		3	4	352	8659	379	4.4	290	3.4	273	237	257		767	GARY WEST	DUNDAS	NB
6 GUCANF8821449	G	77	3	4	393	9183	408	4.4	316	3.4	267	237	257	761	EBY MANOR LTD	WATERLOO	ON
7 GUCANF7924794	G	75	3	0	358	8120	379	4.7	267	3.3	267	246	247	760	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB
8 GUCANF8860662	VG	86	3	3	328	8233	376	4.6	294	3.6	256	231	258	745	EBY MANOR LTD	WATERLOO	ON

# Production Records (January - August 2010) Ranked by Composite Milk, Fat & Protein

9	GUCANF7703617	BEAVERWOOD RONALD'S RITA	GP	81	3	5	562	8342	360	4.3	280	3.4	264	224	250	738	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB					
10	GUCANF7703630	BEAVERWOOD TROMBONE'S RINNA 2	GP	81	3	4	335	8542	364	4.3	290	3.4	261	219	248	728	GARY WEST	DUNDAS	NB					
11	GUCANF77911206	CALLUMLEA LEWIS SEABSIDE	GP	81	3	0	267	7758	341	4.4	280	3.6	247	215	250	712	KENNETH MCNABB	NEW HAMBURG	ON					
12	GUCANF7860450	WHISPERING HILLS T AGATHA		3	3	3	335	6896	360	5.2	258	3.7	222	229	235	686	KEVIN HIGGS	ABBOTSFORD	BC					
13	GUCANF7924797	GUERNSEY VIEW LILY'S SUSAN	G	73	3	1	305	7826	359	4.6	236	3	244	220	207	671	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB					
14	GUCANF9315977	MAPLEHURST CHILLER'S ZINGER	GP	81	3	1	315	7046	325	4.6	240	3.4	230	208	220	658	BRENDA J & R BRODIE CUPPLES	THORSBY	AB					
15	GUCANF7477275	CALLUMLEA TILLER SAHARA	G	75	3	4	289	7486	314	4.2	253	3.4	236	196	224	656	KENNETH MCNABB	NEW HAMBURG	ON					
16	GUCANF7924792	GUERNSEY VIEW MARVEL'S SPRING	GP	80	3	0	317	7123	324	4.5	238	3.3	226	204	213	643	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	ON					
17	GUCANF7433745	MAPLEHURST BOLERO VELVET	GP	80	3	3	353	7483	350	4.7	248	3.3	224	207	208	639	KEN D FORSTER	LYNDEN	ON					
18	GUCANF8860658	EBY MANOR GOLIATH SAPHIRE	GP	81	3	3	357	6878	389	5.7	249	3.6	203	229	206	638	EBY MANOR LTD	WATERLOO	ON					
19	GUCANF7924796	GUERNSEY VIEW JAYDEN'S STAR	GP	83	3	1	309	6698	307	4.6	239	3.6	217	196	217	630	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB					
20	GUCANF7433742	MAPLEHURST LES TWINKLES	VG	87	3	2	305	7084	331	4.7	251	3.5	212	196	211	619	KEN D FORSTER	LYNDEN	ON					
21	GUCANF8508429	GUERNSEY VIEW NATALIE'S RACHEL	VG	85	3	2	564	6656	307	4.6	217	3.3	215	194	197	606	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	ON					
22	GUCANF7776245	DON HAVEN POWER VIOLA	GP	83	3	1	384	6684	287	4.3	231	3.5	208	176	203	587	JOHN W GORDON	ROCKWOOD	ON					
23	GUCANF7703629	BEAVERWOOD TROMBONE'S RANDI		3	1	4	414	6253	315	5	237	3.8	186	186	198	570	GARY WEST	DUNDAS	NB					
24	GUCANF104037052	REYLA RONALD LANA	GP	82	3	2	366	6730	293	4.3	225	3.3	202	175	191	568	ROBERT MASON	ORMISTOWN	QC					
25	GUCANF7703622	BEAVERWOOD RONALD'S RACHELLE		3	4	4	400	6578	315	4.8	232	3.5	191	183	189	563	GARY WEST	DUNDAS	NB					
Sr. 3 Yr Old																								
1	GUCANF7433747	MAPLEHURST DECISION WINTER	VG	86	3	6	370	9533	419	4.4	303	3.2	302	260	271	833	KEN D FORSTER	LYNDEN	ON					
2	GUCANF7703635	BEAVERWOOD BOLERO'S ROCKY		3	9	296	8394	450	5.4	320	3.8	250	263	267	780	GARY WEST	DUNDAS	NB						
3	GUCANF7433743	MAPLEHURST BOLERS GIGGLES	VG	87	3	8	330	8673	404	4.7	292	3.4	270	246	256	772	KEN D FORSTER	LYNDEN	ON					
4	GUCANF7433737	MAPLEHURST LES BUTTONS	EX	90	3	6	345	8728	415	4.8	308	3.5	252	239	250	741	KEN D FORSTER	LYNDEN	ON					
5	GUCANF7703636	BEAVERWOOD DECISION'S ROPER		3	7	334	8266	355	4.3	290	3.5	261	220	257	738	GARY WEST	DUNDAS	NB						
6	GUCANF7645024	COMFORT FARMS RUSS HANNA	G	75	3	6	470	7747	398	5.1	274	3.5	221	226	219	666	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB					
7	GUCANF7388494	GLEN HAVEN TILLER'S MAGGIE	GP	80	3	6	301	7152	323	4.5	284	4	218	195	243	656	GLEN HAVEN FARMS	CRYSLER	ON					
8	GUCANF7703614	BEAVERWOOD LEWIS'S ROXANNE		3	8	579	7510	295	4.6	255	3.4	224	202	214	640	GARY WEST	DUNDAS	NB						
9	GUCANF7703626	BEAVERWOOD DECISION'S RUSTY		3	8	349	6912	295	4.3	246	3.6	213	180	214	607	GARY WEST	DUNDAS	NB						
10	GUCANF7924791	GUERNSEY VIEW KIT'S SARAH	GP	82	3	6	324	6577	308	4.7	232	3.5	207	190	205	602	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB					
11	GUCANF7776231	DON HAVEN GAVIN VALERIE	VG	85	3	10	284	6848	318	4.6	226	3.3	209	192	195	596	JOHN W GORDON	ROCKWOOD	ON					
12	GUCANF7433739	MAPLEHURST GOLDEN BIANCA ET	GP	84	3	6	332	7064	337	4.8	235	3.3	207	196	193	596	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB					
13	GUCANF7703643	BEAVERWOOD RONALD'S SUSANNE		3	6	245	7783	310	4	244	3.1	221	175	195	591	GARY WEST	DUNDAS	NB						
14	GUCANF7433725	MAPLEHURST KEANE GEORGIE	VG	88	3	10	347	6756	345	5.1	257	3.8	190	195	204	589	KEN D FORSTER	LYNDEN	ON					
15	GUCANF7657416	BROADVIEW REBEL	G	78	3	7	374	6037	290	4.8	207	3.4	187	178	180	545	ROBERT BEYNON	MAPLE	ON					
16	GUCANF8723248	CEDAR ROCK M A ADA	G	70	3	10	494	7407	271	3.7	223	3	211	152	178	541	WANAMAKER BROTHERS	NAUWIGEWALK	NB					
17	GUCANF7657392	BROADVIEW RUBY 3RD	VG	86	3	8	374	6524	293	4.5	211	3.2	189	168	172	529	ROBERT BEYNON	MAPLE	NB					
18	GUCANF7665504	CEDAR ROCK MAGICMAN'S ANITA	G	76	3	9	565	6546	275	4.2	208	3.2	184	154	165	503	WANAMAKER BROTHERS	NAUWIGEWALK	NB					
19	GUCANF8686735	HOLDFAST ROGER RONNIE	G	77	3	6	371	4804	258	5.4	186	3.9	137	147	149	433	COLIN MACCLEOD	EMBRO	ON					
4r 3 Yr Old																								
1	GUCANF8838476	LINDRIAN GARRETT PIPPY 465	EX	92	4	5	548	11008	650	5.9	366	3.3	333	387	310	1030	JOHN & LINDA TAMIS	SURREY	BC					
2	GUCANF9517697	COANWOOD SUZANNE	G	71	4	3	332	11039	483	4.4	381	3.5	322	279	312	913	JOHN & LARRY WIGHAM	CHILLIWACK	BC					
3	GUCANF7477267	CALLUMLEA RUSTY RIVER	GP	82	4	3	337	8853	476	5.4	336	3.8	265	282	282	829	KENNETH MCNABB	NEW HAMBURG	ON					
4	GUCANF8821437	BIG SPRING LAMAR LEANN	EX	90	4	2	355	8475	382	4.5	286	3.4	245	218	233	696	EBY MANOR LTD	WATERLOO	ON					
5	GUCANF7703608	BEAVERWOOD RONALD'S PORKY	GP	80	4	7	340	8199	376	4.6	266	3.2	247	222	225	694	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB					
6	GUCANF8860644	EBY MANOR LARMER LOTTIE	VG	87	4	3	329	7542	395	5.2	277	3.7	219	224	225	668	EBY MANOR LTD	WATERLOO	ON					
7	GUCANF7633525	CROWN AND SASH MAGGIE	GP	81	4	4	316	7317	319	4.4	254	3.5	222	191	217	630	LOIS GRIEGER	SCHOMBERG	ON					
8	GUCANF7703616	BEAVERWOOD LAMAR'S RACHEL		4	3	419	7525	324	4.3	252	3.4	225	192	212	629	GARY WEST	DUNDAS	NB						
9	GUCANF8860642	EBY MANOR MA ROYAL	GP	83	4	4	320	6351	331	5.2	245	3.9	193	198	209	600	EBY MANOR LTD	WATERLOO	ON					
10	GUCANF7433707	MAPLEHURST RESPONSE ABILITY	VG	85	4	10	330	7133	346	4.8	229	3.2	209	201	188	598	KEN D FORSTER	LYNDEN	ON					
11	GUCANF7703613	BEAVERWOOD LEWIS'S ROCHELLE		4	4	388	6898	344	5	242	3.5	200	198	198	596	GARY WEST	DUNDAS	NB						
12	GUCANF8860634	EBY MANOR RUSS PENNY	GP	83	4	0	447	6458	383	5.9	260	4	179	212	203	594	EBY MANOR LTD	WATERLOO	ON					
13	GUCANF8486506	BEAVERWOOD ROY'S PATSY		4	7	439	7532	302	4	247	3.3	217	173	199	589	GARY WEST	DUNDAS	NB						
14	GUCANF7657372	BROADVIEW ROMONA	VG	88	4	1	383	7478	323	4.3	243	3.2	208	179	190	577	ROBERT BEYNON	MAPLE	ON					
15	GUCANF8486501	BEAVERWOOD SILVERADO'S PATCH		4	4	486	7410	339	4.6	250	3.4	201	184	191	576	GARY WEST	DUNDAS	NB						
16	GUCANF8818398	COMFORT FARMS ANISSA	G	75	4	4	365	7852	287	3.7	253	3.2	219	159	198	576	COMFORT FARMS LTD	ST. ANNS	ON					
17	GUCANF8860647	EBY MANOR BANGER WONDER	GP	83	4	0	309	5998	303	5	238	4	185	184	205	574	EBY MANOR LTD	WATERLOO	ON					
18	GUCANF7645013	COMFORT FARMS DANCER	GP	80	4	5	343	7418	300	4	239	3.2	212	169	191	572	COMFORT FARMS LTD	ST. ANNS	ON					
19	GUCANF8486507	BEAVERWOOD D L S PIXIE 2		4	10	349	6634	316	4.8	228	3.4	197	184	190	571	GARY WEST	DUNDAS	NB						
20	GUCANF7703619	BEAVERWOOD ALSTAR'S RONNIE		4	3	313	6568	285	4.3	237	3.6	199	169	201	569	GARY WEST	DUNDAS	NB						



# Production Records (January - August 2010) Ranked by Composite Milk, Fat & Protein

21	GUCANF860648	GP	83	4	0	303	5879	316	5.4	211	3.6	180	189	182	551	EBY MANOR LTD	WATERLOO	ON	
22	GUCANF8280375	VG	85	4	10	390	6960	344	4.9	238	3.4	185	184	178	547	ROBERT BEYNON	MAPLE	ON	
5 Yr Old																			
1	GUCANF7477251	G	77	5	2	326	10345	488	4.7	353	3.4	288	270	276	834	KENNETH MCNABB	NEW HAMBURG	ON	
2	GUCANF9261610	VG	86	5	9	525	10731	465	4.3	347	3.2	279	245	253	777	KENNETH MCNABB	NEW HAMBURG	ON	
3	GUCANF8531568	VG	88	5	9	324	8864	385	4.3	304	3.4	248	216	239	703	ROBERT FORSTER	LYNDEN	ON	
4	GUCANF8531552	EX	91	5	11	552	8420	439	5.2	314	3.7	219	231	229	679	KEN D FORSTER	LYNDEN	ON	
5	GUCANF8860603	EX	90	5	5	470	8835	409	4.6	285	3.2	231	216	210	657	EBY MANOR LTD	WATERLOO	ON	
6	GUCANF8486494		5	2	319	7928	353	4.5	264	3.3	230	204	215	649	GARY WEST	DUNDAS	NB		
7	GUCANF8486478		5	9	326	7698	342	4.4	271	3.5	215	192	213	620	GARY WEST	DUNDAS	NB		
8	GUCANF8508417	GP	83	5	4	329	7799	359	4.6	264	3.4	210	194	200	604	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB	
9	GUCANF8486487		5	4	342	8471	299	3.5	286	3.4	224	159	212	595	GARY WEST	DUNDAS	NB		
10	GUCANF7359449	VG	85	5	1	324	6992	351	5	260	3.7	195	195	203	593	KEN D FORSTER	LYNDEN	ON	
11	GUCANF8818359	VG	85	5	7	415	8181	333	4.1	277	3.4	214	175	204	593	COMFORT FARMS LTD	ST. ANNS	ON	
12	GUCANF8818370	VG	86	5	6	379	6440	313	4.9	247	3.8	181	176	194	551	COMFORT FARMS LTD	ST. ANNS	ON	
13	GUCANF8723236	G	76	5	2	355	6621	307	4.6	231	3.5	184	170	180	534	WANAMAKER BROTHERS	NAUWIGEAUK	NB	
14	GUCANF8661578		5	11	331	6837	264	3.9	229	3.4	196	152	185	533	DAVID BYERLAY	WOODSTOCK	ON		
15	GUCANF8818366	GP	81	5	7	307	6987	287	4.1	235	3.4	192	159	182	533	COMFORT FARMS LTD	ST. ANNS	ON	
16	GUCANF8280380	G	77	5	1	338	6617	281	4.2	222	3.4	187	159	176	522	ROBERT BEYNON	MAPLE	ON	
17	GUCANF8818383	GP	81	5	0	267	6063	308	5.1	193	3.2	177	179	158	514	COMFORT FARMS LTD	ST. ANNS	ON	
18	GUCANF8280370	VG	85	5	0	486	6975	281	4	224	3.2	185	149	167	501	ROBERT BEYNON	MAPLE	ON	
19	GUCANF8280383	GP	81	5	2	304	5581	274	4.9	189	3.4	162	158	154	474	ROBERT BEYNON	MAPLE	ON	
20	GUCANF8531584	GP	82	5	2	300	6368	271	4.3	202	3.2	172	147	153	472	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB	
21	GUCANF8676617	E	5	0	305	5765	242	4.2	209	3.6	164	137	167	468	ALAN SPENCE	VANKLEEK HILL	ON		
22	GUCANF8486480	VG	85	5	5	348	6003	265	4.4	220	3.7	158	141	163	462	GARY WEST	DUNDAS	NB	
23	GUCANF8280355	VG	85	5	11	327	5940	271	4.6	211	3.5	158	146	157	461	ROBERT BEYNON	MAPLE	ON	
24	GUCANF8723215	VG	85	5	11	545	6166	257	4.2	210	3.4	160	135	153	448	WANAMAKER BROTHERS	NAUWIGEAUK	NB	
Mature Cow																			
1	GUCANF8171601	GP	80	9	2	425	10914	461	4.2	369	3.4	285	252	271	808	JOHN & LINDA TAMIS	SURREY	BC	
2	GUCANF8508413	GP	81	6	0	313	9531	440	4.6	310	3.2	276	253	252	781	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB	
3	GUCANF8454047	GP	82	7	0	482	10183	521	5.1	334	3.3	263	273	242	778	EBY MANOR LTD	WATERLOO	ON	
4	GUCANF10033074	EX	90	8	9	795	9661	458	4.7	314	3.2	253	249	231	733	BROWN EDEN FARMS	SHELBURNE	ON	
5	GUCANF8506193	VG	87	6	8	326	9906	395	4	299	3	275	222	234	731	EBY LAWN FARM	LISTOWEL	ON	
6	GUCANF8265750	VG	87	7	4	401	9790	410	4.2	328	3.4	252	217	238	707	JOHN & LINDA TAMIS	SURREY	BC	
7	GUCANF7334431	GP	82	6	9	474	8502	404	4.8	298	3.5	231	222	227	680	GLEN HAVEN FARMS	CRYSLER	ON	
8	GUCANF10033966	VG	85	8	9	362	7664	376	4.9	266	3.5	225	227	220	672	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB	
9	GUCANF8531531	E	92	6	7	518	8164	446	5.5	303	3.7	211	235	220	666	KEN D FORSTER	LYNDEN	ON	
10	GUCANF8508409	GP	80	6	3	329	8482	419	4.9	298	3.5	221	222	218	661	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB	
11	GUCANF8686713	GP	83	6	1	505	6921	380	5.5	268	3.9	200	218	218	636	COLIN MACLEOD	EMBRO	ON	
12	GUCANF8486453		6	8	381	7950	353	4.4	292	3.7	216	194	223	633	GARY WEST	DUNDAS	NB		
13	GUCANF8412439	EX	90	6	6	371	7734	343	4.4	261	3.4	211	188	199	598	KEN D FORSTER	LYNDEN	ON	
14	GUCANF10035091	GP	82	7	1	612	7580	318	4.2	258	3.4	211	180	202	593	WANAMAKER BROTHERS	NAUWIGEAUK	NB	
15	GUCANF8818354	G	78	6	0	407	7891	342	4.3	259	3.3	210	184	193	587	CRAIG M COMFORT	ST. ANNS	ON	
16	GUCANF8665234	GP	84	6	6	301	6745	303	4.5	245	3.6	196	176	199	571	EBY MANOR LTD	WATERLOO	ON	
17	GUCANF8486463		6	8	292	6969	286	4.1	244	3.5	202	167	198	567	GARY WEST	DUNDAS	NB		
18	GUCANF10033325	VG	85	9	1	390	7278	353	4.8	250	3.4	190	193	184	567	COMFORT FARMS LTD	ST. ANNS	ON	
19	GUCANF8486441		7	4	260	7352	304	4.1	235	3.2	205	173	184	562	GARY WEST	DUNDAS	NB		
20	GUCANF8486455		6	4	434	7532	323	4.3	263	3.5	196	171	192	559	GARY WEST	DUNDAS	NB		
21	GUCANF8508361	GP	82	7	7	411	6517	317	4.9	232	3.6	186	185	187	558	COMFORT FARMS LTD	DUNDAS	NB	
23	GUCANF10033311	VG	86	9	10	346	6100	257	4.2	194	3.2	180	157	160	497	ROBERT BEYNON	MAPLE	ON	
24	GUCANF10035868	GP	80	7	3	326	5382	265	4.9	208	3.9	150	151	163	464	WANAMAKER BROTHERS	NAUWIGEAUK	NB	
25	GUCANF8638188	GP	81	6	0	332	5499	258	4.7	176	3.2	159	148	143	450	MORRIS & PENNY BARTLETT	CALEDONIA	ON	
Aged Cow																			
1	GUCANF200089	VG	85	13	5	694	9526	393	4.1	334	3.5	291	257	285	833	ALAN SPENCE	VANKLEEK HILL	ON	
2	GUCANF10033381	GP	83	10	11	295	6519	296	4.5	236	3.6	179	169	181	529	GARY WEST	DUNDAS	NB	



## Taureaux Guernsey Bulls

Newly Proven Bulls by LPI		Top 5 LPI Bulls		Bulls with Big LPI Change		Sires of Top 25 LPI Bulls (Average LPI)						
Nouvellement Éprouvés selon IPV		5 Meilleurs selon l'IPV		Taureaux avec changement d'IPV important		Pères des 25 Meilleurs (Moyenne d'IPV)						
34 SKIPPER	LUXURY	-185		1 LEWIS	+	1407	BOLERO	+113	807	ENHANCER	24%	762
2 DOUBLE L				2 DOUBBLE L	+	1144	LOUIE	+105	684	TELESTAR	8%	26
3 JORDAN				3 JORDAN	-	1078						
4 BINGO				4 LEWIS	+	986						
5 KRUNCH				5 KRUNCH	-	863						
Milk / Lait (kg)		Fat / Gras (kg)		Protein / Protéine (kg)		Conformation						
1 LEWIS		+ 953		1 BINGO	0	51	1 BINGO	0	33	1 BILLY JO	0	11
2 BINGO		+ 942		2 KRUNCH	0	44	2 POKER	+	26	2 GARRETT	+	8
3 ABRAHAM		- 925		3 JORDAN	-	39	2 JB	0	26	2 FAYETTE	-	8
4 MR AMERICA		+ 880		4 LEWIS	+	33	2 ABRAHAM	0	26	4 BOLERO	0	7
5 LANE		- 840		4 DOUBLE L	+	33	5 LEWIS	+	25	4 DYNASTY	0	7
							5 JORDAN	0	25	4 MAGICIAN	0	7

## Vaches Guernsey Cows

Top 5 LPI Cows		Sires of Top 400 LPI Cows		Dams of Top 400 LPI Cows		New Top LPI Cows					
5 Meilleures Vaches selon l'IPV		Pères des 400 Meilleures selon l'IPV		Mères des 400 Meilleures selon l'IPV		Meilleures Nouvelles Vaches selon l'IPV					
1 GLEN HAVEN LEWIS LANA	N	1775	WARDEN	9.00%	608	MAPLEHURST DIPLOMAT'S BID	6	1 GLEN HAVEN LEWIS LANA	1775		
2 GUERNSEY VIEW KITS RUBY	+	1630	LEWIS	5.25%	1099	LINDRIAN MAGICMAN POPPY	4	23 MAPLEHURST ROYALTY REBA	1136		
3 MAPLEHURST LEWIS BREA	-	1574	DOUBLE L	4.25%	715	MAPLEHURST WARDEN BIANCA	4	85 COMFORT FARMS MISS ROGERS	822		
4 MAPLEHURST LEWIS L.C.	+	1429	BOLERO	4.00%	640						
5 EBY MANOR LEWIS SECELIA	+	1373									
Milk / Lait (kg)		Fat / Gras (kg)		Protein / Protéine (kg)		Conformation					
1 MAPLEHURST TRUMPET'S WILEMINA	-	1861	1 GLEN HAVEN LEWIS LANA	+	52	1 MAPLEHURST SHARP'S GINA	-	49	1 EBY MANOR TILLER WESLIE	0	13
2 BIG SPRING REWARD KATIE	-	1751	2 CALLUMLEA RUSTY RIVER	+	50	2 MAPLEHURST GINGER	0	45	1 EBY MANOR DYNASTY WESTIN	0	13
3 MAPLEHURST ROYALTY REBA	+	1549	3 MAPLEHURST LOUIE FALLON	+	49	3 MAPLEHURST LEWIS BREA	0	41	1 ELM SPRING R ROSALIE	0	13
4 BLACKHOME PHIL CINDA	-	1478	4 BROWN EDEN K GERTY	0	46	4 GLEN HAVEN LEWIS LANA	+	39	4 COMFORT FARMS MYSTERIOUS	+	12
5 MAPLEHURST SHARP'S GINA	-	1457	5 GLEN HAVEN DOUBLE BUBBLE	+	45	4 CALLUMLEA JORDAN KIM	+	39	4 BIG SPRING MAGIC JOY	0	12
			5 CALLUMLEA LANE SHELBY	0	45	4 EBY MANOR JIMCO PET	0	39	4 BIG SPRING FAY'S RAMONA	0	12
			5 EBY MANOR ANGELO DANIELLE	+	45				4 SUN SET MAGIC NATALIE	0	12
									4 SPRING WALK TF NATALIE	0	12
									4 SUN SET MAGICMAN NATALIE-ANN	0	12



CANADIAN DAIRY NETWORK (CDN) RESEAU LAITIER CANADIEN

AUGUST/AOUT 2010

TOP 100 FOREIGN BULLS BY MLPI (WEETING MINIMUM RELIABILITIES)

100 MEILLEURS TAUREAUX A L'ETRANGER SELON L'IPVM (CONFORME AU MINIMUM DE LA FIABILITE)

BREED/RACE: GUERNSEY

MLPI IPVM	CNTRY PAYS	NUMBER NUMERO	NAME NOM	BIRTH NAISS	SEMEN CODE INT'L	CONT FILLES	DAUS FILLES	HERDS TROUP	REL FIAB	MILK LAIT	FAT GRAS	FAT PROT	FAT% GRAS	FAT% PROT	REL FIAB	CONF CONF	MS SM	FL PM	DS PL	SCS CCS	HL DV
1825	USA	USA604670	SNIDERS OPTION AARON-ET	2002	0007GU00395	0007	182	88	83	1206	73	36	0.24	-0.08	52	7	4	11	3	2.86	103
1728	USA	USA604761	SNIDERS RONALDS ALSTAR	2002	0007GU00398	0007	53	33	72	1153	50	28	-0.04	-0.17	48	5	3	4	-2	3.06	109
1549	USA	USA604960	GOLDEN J RONALD GRUMPY	2003	0007GU00405	0007	50	35	72	869	45	30	0.07	0.00	46	7	8	-2	0	2.94	106
1387	USA	USA604917	EDGEWATER MEADOWS YOGIBEAR-ET	2003	0007GU00402	0007	178	79	83	495	39	22	0.23	0.07	53	10	9	7	4	2.94	104
1260	USA	USA68003602	SNIDERS TILLER ALPACIN	2004	0007GU00417	0007	52	29	69	1326	50	28	-0.15	-0.25	47	9	2	14	5	3.39	100
1248	USA	USA604268	IDLE GOLD E CHALLENGE-ET	2000	0001GU00418	0001	301	110	82	-55	25	13	0.41	0.22	53	9	7	6	0	2.98	106
1231	USA	USA604229	COULLE CREST LUXURY SPIDER-ET	2000	0001GU00415	0001	152	80	78	853	43	39	0.05	0.13	52	4	1	5	3.17	97	
1121	USA	USA605000	RIVERWOOD TILLER KHAN	2003	0007GU00409	0007	159	67	82	-141	43	15	0.75	0.30	51	7	5	5	2	2.89	103
1108	USA	USA602751	TROTACKE JAY MR LUKUY ET	1994	0007GU00339	0007	713	263	87	971	19	31	-0.36	-0.04	61	5	4	3	2	3.18	103
1096	USA	USA604313	PINE RIDGE SUPER LUX-ET	2000	0007GU00385	0007	56	40	72	756	35	28	0.00	0.02	48	2	-1	3	5	3.05	102
1041	USA	USA604878	LANG HAVEN DECISIONS NATURAL	2002	0007GU00412	0007	49	29	69	500	25	25	0.03	0.11	45	5	2	4	1	2.94	103
1039	USA	USA603455	BLACKWATER ENHANCER ALVA-ET	1997	0007GU00367	0007	40	25	69	1079	39	37	0.15	-0.01	47	-1	-4	5	0	2.97	99
1033	USA	USA601223	ASKWE FARM PRINCE YOSEMITE	1990	0014GU00244	0014	37	26	68	2	18	22	0.27	0.33	42	-7	-5	-2	-6	2.88	110
1033	USA	USA602961	ROZELYN PATMAR JAY GLACIER ET	1995	0007GU00343	0007	679	221	86	-68	21	13	0.36	0.23	58	4	4	2	-1	3.01	107
1029	USA	USA602750	TROTACKE JAY MR LUCK-ET	1994	0029GU00944	0029	556	178	86	1393	27	47	-0.50	-0.02	55	-5	-6	2	2	3.10	102
1020	USA	USA603783	KNAPPS LORRY KAPTAIN SETH	1998	0001GU00408	0001	48	31	70	885	45	15	0.06	-0.22	42	-3	-2	-4	-5	2.99	111
1015	USA	USA604587	BLUE KNOLL M BILLY GINGER	2002	0001GU00424	0001	34	24	66	826	52	36	0.20	0.10	43	-3	-6	-1	4	2.74	108
1013	USA	USA604859	ROZELYN GLACIERS HOLIDAY	2002	0007GU00401	0007	144	64	83	-477	21	3	0.67	0.31	50	5	4	2	-1	2.74	101
936	USA	USA604633	PENNY LANE ROYAL OAK TURLEY	2002	0007GU00394	0007	65	42	73	688	28	29	-0.05	0.07	49	7	5	6	-3	3.05	101
933	USA	USA603476	NEDROW FARMS GOLIATH LEGACY	1997	0014GU00282	0014	177	80	79	1050	14	26	-0.48	-0.15	55	-2	-1	-8	-3	3.00	108
932	USA	USA68007460	SOUTHERN JUSTICE RANGER SAMSON	2005	0007GU00420	0007	41	24	66	1931	51	44	-0.49	-0.31	43	1	-4	5	8	2.93	95
886	USA	USA603947	LANG HAVEN LORRY DECISION	1999	001GU00413	0001	125	66	77	1171	48	32	-0.08	-0.12	50	1	-2	8	5	3.00	96
872	USA	USA603517	MARODORE RONALDS LABRON	2003	0001GU00431	0001	30	25	65	566	34	19	0.11	-0.01	41	-3	1	3	-5	2.98	104
861	USA	USA603000	AYARS MITHOEFER G HARLEY	1995	0007GU00347	0007	94	54	77	420	38	10	0.27	-0.07	50	6	-7	-1	-2	2.81	109
845	USA	USA604521	COULLE CREST POKER STARDUST-ET	2001	0007GU00393	0007	47	33	77	1188	50	41	-0.06	-0.01	45	-3	-7	-2	3	3.12	98
836	USA	USA600510	SHERMA VICTORY ELLAS ENHANCER	1989	0029GU00918	0029	314	136	86	986	39	22	-0.09	-0.17	72	5	5	2	0	3.24	98
803	USA	USA603517	KNAPPS GOLIATH KING KONG	1997	0001GU00406	0001	56	38	73	-115	34	3	0.59	0.11	47	-5	-3	4	-5	2.81	110
777	USA	USA604826	FLAMBEAU MANOR TILLER LES ET	2003	0001GU00428	0001	85	46	76	317	32	9	0.25	-0.03	53	9	9	0	0	3.04	103
758	USA	USA604824	FLAMBEAU MANOR RON LANDON	2002	0007GU00408	0007	104	59	81	521	45	3	0.30	-0.22	44	-4	2	-5	-1	2.84	103
757	USA	USA604713	KILCHONA TAMMYS TRIBUTE	2002	010G000878	0100	54	23	69	1013	29	30	-0.24	-0.07	45	-6	-7	-9	-3	2.73	108
752	USA	USA604713	JENS GOLD FORT HUDSON	2002	0014GU00297	0014	70	42	72	1111	24	33	-0.37	-0.08	46	-2	-4	9	5	3.06	99
745	USA	USA604243	OAK KNOB ROYAL DIABLO	2000	0007GU00383	0007	40	21	68	91	22	8	0.26	0.07	45	6	4	2	0	2.72	105
732	USA	USA604915	JENS GOLD REGIS Z SPECIAL-ET	2002	0007GU00406	0007	76	45	74	1220	43	32	-0.18	-0.14	50	6	4	-5	2	3.22	99
719	USA	USA604274	RIPLEY FARMS HOTSHOT BRYANT-ET	2000	0014GU00291	0014	69	40	74	283	7	15	-0.09	0.08	47	2	1	0	-1	2.72	108
696	USA	USA603034	SHERMA ENHANCER ROSIE NITRO	1995	0007GU00350	0007	238	115	81	22	28	-2	0.40	-0.04	74	4	4	6	1	3.21	104
677	USA	USA604976	FARZA FARMS G MONTE-ET	2003	0007GU00407	0007	44	31	68	480	27	7	0.07	-0.14	46	9	6	9	4	2.88	102
672	USA	USA603287	ROZELYN ENHANCER JULES	1996	0014GU00279	0014	204	103	80	896	40	24	-0.02	-0.10	55	-5	-5	-3	-6	3.19	104
672	USA	USA604530	LANTZFARM RORACHERS RESPONSE-ET	2001	0001GU00423	0001	110	62	80	877	36	19	-0.06	-0.16	52	4	2	5	5	2.87	100
670	USA	USA603244	SHERMA GOLIATH PAMS GALAXY	1996	0014GU00281	0014	118	55	82	-129	-13	-1	-0.11	0.05	52	-7	1	-3	-10	2.52	115
669	USA	USA604712	JENS GOLD OPTION MAJOR	2002	0007GU00397	0007	43	28	69	1005	36	25	-0.14	-0.14	43	-1	-1	7	5	2.78	98
661	USA	USA603817	SHANGRI LA LIBERTY	1999	0009GU00153	0009	32	17	64	791	42	32	0.08	0.06	40	-2	-7	0	3	3.09	97
654	USA	USA68001236	MARFRED REGIS PATRICK	2004	0007GU00419	0007	35	14	61	1073	43	30	-0.09	-0.10	40	2	-1	3	-3	3.11	98
642	USA	USA604259	RIPLEY FARMS R OAK ROYALTY-ET	2000	0014GU00292	0014	420	141	81	1157	37	24	-0.22	-0.23	56	2	6	5	2	2.88	98
606	USA	USA603259	JENSGOLDEN IDLE G MAIN EVENT	1996	0007GU00363	0007	36	26	68	138	25	8	0.28	0.05	45	-6	-5	6	-6	2.88	110
594	USA	USA602216	JENSGOLDEN PROKING ROYAL OAK	1993	0007GU00330	0007	531	195	87	600	32	21	0.06	0.00	63	8	6	6	6	2.85	98
589	USA	USA602097	MYRTLEDALES MAGIC HOT SHOT ET	1992	0001GU00381	0001	582	239	83	793	10	23	-0.37	-0.07	57	-4	-6	-4	0	2.84	108
581	USA	CAN10034579	SHERMA FORESTAR PAT FLASH	1994	0001GU00399	0001	107	63	77	980	24	22	-0.29	-0.17	50	-2	-2	-1	-1	3.01	102
575	USA	USA603218	MARODORE GOLIATHS RONALD-ET	1996	0001GU00210	0001	431	177	85	425	20	10	0.01	-0.07	57	-3	1	-7	-4	3.07	105
573	USA	USA602442	ROZELYN PATMAR PERFECT TONY	1993	0007GU00335	0007	142	56	81	-348	-12	-4	0.06	0.13	41	5	5	0	-1	2.98	110
571	USA	USA603078	TROTACKE JIMCO LUCAS	1995	0001GU00208	0001	166	67	83	1186	32	31	-0.31	-0.14	46	-6	-10	0	1	2.98	102

CANADIAN DAIRY NETWORK (CON) RESEAU LAITIER CANADIEN  
TOP LPI COW REPORT / RAPPORT DES MEILLEURES VACHES SELON L'IPV

AUGUST 2010 PA

BREED/RACE: GUERNSEY

Table with columns: RANK, LPI RK COW, IPV RC VACHE, COW NAME, BIRTH D, SIRE, DAM, L CALV D, DIM L, L HERD, LAC RJT SUP, MILK RC, FAT RC, PROT RC, etc. The table contains 50 rows of data for Guernsey cows, including cow names like GLEN HAVEN LEWIS LANA, GUERNSEY VIEW KIT'S RUBY, and various production metrics.

CANADIAN DAIRY NETWORK / RÉSEAU LAITIER CANADIEN																
AUGUST/AOÛT 2010 TOP 10 BROWN SWISS HERDS BY LPI / 10 MEILLEURS TROUPEAUX SUISSE BRUNE SELON L'IPV																
Rank Rang	LPI IPV	No. Cows No. Vaches	Name of Farm / Owner Nom de la Ferme / Propriétaire	City Ville	Province	Milk Lait	Fat Gras	Protein Protéine	Fat % % Gras	Prot % % Prot	SCS CCS	CONF	MS SM	F&L P&M	DS PL	RP Cr
1	1272	42	SWISS LANE	LISTOWEL	ON	874	37	30	0.03	-0.03	2.87	3.5	3.3	2.2	3.4	4.8
2	1207	57	GUBELMANN BROWN SWISS	WALTON	ON	631	34	31	0.11	0.08	2.94	3.1	2.8	1.1	2.8	3.2
3	1133	34	SOUTH SPRING DAIRY	PICTURE BUTTE	AB	960	33	32	-0.07	-0.05	2.80	1.9	1.9	-1.0	2.4	4.6
4	843	30	VAN DIEMEN FARM LTD	PICTURE BUTTE	AB	716	27	23	-0.02	-0.04	2.85	0.7	1.3	-0.7	0.6	1.7
5	753	30	HEIWA FARM	ST-ALBERT	ON	364	15	14	0.01	0.01	2.85	3.0	4.1	0.4	2.5	2.3
6	711	23	FERME DES BELLES PRAIRIES INC.	ST-JEAN-SUR-RICHELIEU	QC	317	13	8	0.00	-0.04	2.94	3.7	2.8	3.0	4.8	4.5
7	666	38	SWISS VALLEY FARMS	MOOREFIELD	ON	218	20	13	0.14	0.05	2.90	1.3	2.0	-0.3	1.0	1.9
8	663	77	SWISS DREAM FARM	WAWANESA	MB	321	14	14	0.01	0.02	2.90	4.9	4.7	0.9	3.8	3.8
9	451	56	FERME BERTNOR INC.	ST-SIMON LES MINES	QC	192	8	11	0.01	0.04	2.94	1.4	0.8	1.1	1.6	1.0
10	430	48	DUN ROVIN ACRES	KINCARDINE	ON	135	12	10	0.08	0.05	2.89	0.6	0.4	-0.6	0.6	2.3

CANADIAN DAIRY NETWORK / RÉSEAU LAITIER CANADIEN																
AUGUST/AOÛT 2010 TOP 5 GUERNSEY HERDS BY LPI / 5 MEILLEURS TROUPEAUX GUERNSEY SELON L'IPV																
Rank Rang	LPI IPV	No. Cows No. Vaches	Name of Farm / Owner Nom de la Ferme / Propriétaire	City Ville	Province	Milk Lait	Fat Gras	Protein Protéine	Fat % % Gras	Prot % % Prot	SCS CCS	CONF	MS SM	F&L P&M	DS PL	RP Cr
1	398	58	EBY MANOR FARM LTD.	WATERLOO	ON	212	13	9	0.06	0.02	3.03	2.2	1.3	2.2	1.7	0.6
2	344	38	CEDAR RIDGE FARMS LTD	KESWICK RIDGE	NB	188	11	6	0.06	0.00	2.92	2.2	1.3	1.7	1.1	1.6
3	308	50	MAPLEHURST FARMS	LYNDEN	ON	400	17	13	-0.01	-0.02	2.97	0.9	0.9	-0.6	0.7	1.3
4	188	40	BROADVIEW	MAPLE	ON	272	11	8	-0.01	-0.02	3.05	1.2	1.1	0.8	0.6	1.1
5	48	42	COMFORT FARMS	ST ANNS	ON	3	0	1	0.00	0.01	2.91	0.6	0.8	-0.7	0.0	0.7

CANADIAN DAIRY NETWORK / RÉSEAU LAITIER CANADIEN																
AUGUST/AOÛT 2010 TOP 5 MILKING SHORTHORN HERDS BY LPI / 5 MEILLEURS TROUPEAUX SHORTHORN LAITIER SELON L'IPV																
Rank Rang	LPI IPV	No. Cows No. Vaches	Name of Farm / Owner Nom de la Ferme / Propriétaire	City Ville	Province	Milk Lait	Fat Gras	Protein Protéine	Fat % % Gras	Prot % % Prot	SCS CCS	CONF	MS SM	F&L P&M	DS PL	RP Cr
1	723	11	NORTHEND FARM	THORSBY	AB	392	18	10	0.04	-0.02	2.91	0.3	1.3	-3.0	-0.5	1.8
2	669	36	OCEANBRAE FARMS	MISCOUCHE	PE	293	10	7	-0.02	-0.03	2.94	1.6	2.4	-1.0	0.2	1.0
3	587	44	KNOXDAL	FENELON FALLS	ON	215	10	7	0.03	0.02	2.90	0.7	0.3	1.3	-0.6	-0.6
4	464	16	PRINSVILLE DAIRY FARMS INC	BLOOMFIELD	ON	39	4	1	0.04	-0.01	2.97	4.6	4.3	1.8	3.3	2.6
5	461	16	WALTER & BRUCE GOUDY	MARKDALE	ON	-24	4	0	0.10	0.03	2.87	-1.3	-0.1	-0.5	-3.6	-1.7

CANADIAN DAIRY NETWORK / RÉSEAU LAITIER CANADIEN																
AUGUST/AOÛT 2010 TOP 5 CANADIENNE HERDS BY LPI / 5 MEILLEURS TROUPEAUX CANADIENNE SELON L'IPV																
Rank Rang	LPI IPV	No. Cows No. Vaches	Name of Farm / Owner Nom de la Ferme / Propriétaire	City Ville	Province	Milk Lait	Fat Gras	Protein Protéine	Fat % % Gras	Prot % % Prot	SCS CCS	CONF	MS SM	F&L P&M	DS PL	RP Cr
1	1199	32	FERME J-P COTE & FILS INC.	NEUVILLE, CTE PORTNEUF	QC	499	12	9	-0.12	-0.09	2.90	5.0	3.3	4.0	2.9	3.7
2	1080	48	FERME ACTON INC	ACTON VALE	QC	421	10	8	-0.10	-0.07	2.91	4.0	2.3	3.5	2.2	1.6
3	592	29	FERME PATRIMONIALE INC.	ST-AUGUSTIN CTE ROBERVAL	QC	60	5	2	0.08	0.01	2.97	4.1	2.4	2.6	3.3	3.0
4	512	32	FERME BRITANNIA S.E.N.C.	ST-VALERIEN CO SHEFFORD	QC	8	1	0	0.02	-0.01	2.99	5.3	2.6	4.8	4.4	3.8
5	291	23	RUSSELL & KEN LAW	MOFFAT	ON	-101	-2	-2	0.02	0.03	2.97	2.5	2.0	0.7	1.1	2.2

## Expanded DNA Mastitis Test Now Available

(Guelph, ON – June 22nd, 2010) CanWest DHI is pleased to announce that the identification of the Mycoplasma bovis (M. bovis) organism is now part of the routine Mastitis 3 testing service. This enhancement to the test is being provided to customers at no additional cost.

The Mastitis 3 service is now complete and includes all 3 common contagious pathogens... Staph aureus (and beta lactamase gene), Strep agalactiae and Mycoplasma bovis.

M. bovis mastitis is not believed to be very common in Canada. However, its effect can be devastating as it is contagious, and unresponsive to treatment. Often, the outcome is to cull infected animals. The M. bovis organism is difficult to successfully culture; therefore, the DHI PCR test is a real enhancement in the diagnosis of this type of mastitis. The conven-

ience, reliability and rapid turn around of results of the Mastitis 3 test offers significant improvements in mastitis management. The test, based on Polymerase Chain Reaction (PCR) technology, identifies the DNA of mastitis causing pathogens. According to Richard Cantin, DHI's Manager of Marketing and Customer Services, "We are pleased to offer this enhancement to our Mastitis testing service. Although Mycoplasma is not believed to be a significant mastitis causing pathogen here in Canada, the ability to identify it with more confidence will no doubt be welcomed by producers and veterinarians. This is a great example of value added service, where we are doing more for our customers, with that same sample and at the same price."

For more information on the Mastitis 3 test, talk to your veterinarian, contact your local DHI field service representative or call DHI at 1-800-549-4373.





## **Bull Proof Accuracy and Stability**

With the globalization of genetics, the accuracy and stability of domestic genetic evaluations within any country is of great importance. Given that Canada exports twice as much semen internationally compared to what is needed to meet the needs of Canadian dairy producers, proof accuracy and stability is even more critical. Of course, the primary goal at Canadian Dairy Network (CDN) is to provide timely genetic evaluations to assist Canadian dairy producers and industry partners in making accurate genetic selection and mating decisions in order to maximize profitability at the farm level.

### **Defining Proof Accuracy versus Stability**

With traditional young sire testing programs, bulls are normally five years of age before achieving progeny proven status and receiving an official LPI. On average, bulls proven in Canada have a Reliability of at least 85% for both production and type when they attain their first official LPI. When CDN refers to proof accuracy, the goal is to provide genetic evaluation services such that each bull's first official proof closely resembles what it becomes years later when the performance of several thousand daughters is included. Proof stability, however, makes reference to any changes that may occur from one genetic evaluation release to another over time. The ideal scenario is to have each bull's first official proof as close to what it will be years later (i.e.: high accuracy) and that very little change occurs over time between these start and end points (i.e.: very stable).

### **Factors Affecting Proof Stability**

Once a bull receives its first official progeny proof and associated LPI, there are numerous factors that can affect how stable it remains from run to run. The most obvious source of proof change is the addition of more daughters as well as more performance data on daughters already included. Since genetic evaluations for production traits are based on test day records, the addition of more performance data means that test day records later in first lactation are added to those already recorded with fewer days in milk. In addition, once daughters progress to second and third lactation more test day records contribute to the sire's published proof and LPI. Other traits, such as Somatic Cell Score, Daughter Fertility and Herd Life also have daughter data being continually added as a bull ages, which may result in some change to their official proof over time.

Since August 2009, genomics has also become a potential source of change in published genetic evaluations for males and females. While a change may be expected for newly genotyped animals, since genomics is an independent source of information for predicting an animal's genetic merit, other animals may also be affected. For example, the published evaluation for an animal may change when either or both of its parents are newly genotyped even if the animal itself is not genotyped. Also, with the release of new official genetic evaluations in April, August and December of each year there is a group of over 500 newly proven sires genotyped in North America that are

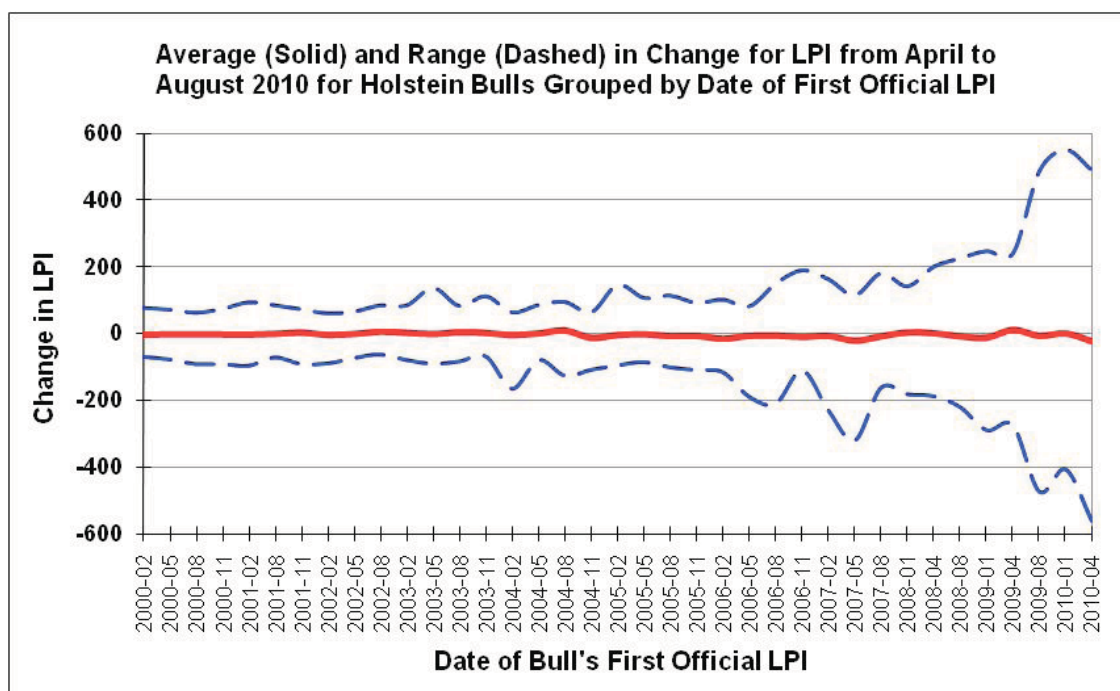


then also included in the process for estimating genomic evaluations in Canada. The addition of these new sires creates changes in Direct Genomic Values for various animals in the population.

A third factor affecting proof stability includes changes in the genetic evaluation methods and models. For example, in 2009 the genetic evaluation system for production traits was modified to account for the number of days pregnant each cow was on each test day compared to open cows as well as the inclusion of an adjustment for extreme test day yields relative to normal expectations. More recently, proofs released in January 2010 experienced increased change following the implementation of updated estimates of heritabilities and genetic correlations across each of the first three lactations. These new genetic parameters had little impact for the majority of bulls but did result in more variability from the August 2009 proofs for bulls adding daughters in second and/or third lactation.

### Analysis of Proof Stability

Geneticists at CDN recently conducted an analysis to quantify the degree of change in proofs calculated for the August 2010 release compared to April 2010 evaluations. The graph shows the results for LPI for all bulls first proven since February 2000, grouped by the genetic evaluation release when they received their first official LPI. The solid line represents the average LPI change from April to August, which is very close to zero for all groups of bulls. This line demonstrates that no systematic bias exists and bulls have an equal chance of increasing or decreasing from run to run. The two dashed lines reflect the most extreme LPI change within each group that generally includes more than 100 proven sires. As expected, individual bulls newly proven in the past year may experience a wider range of change (i.e.: up to 500 LPI points in either direction), due to the numerous factors possibly affecting their proof. In addition, there is a second group of individual bulls first proven 3-4 years ago that may also experience increased proof variability as they add their second crop of daughters.



## Summary

Genetic evaluations are used daily to make sire selection and mating decisions at the farm level and by AI companies for future young sire purchases. Pregnancies and resulting calves represent an important investment in the advancement of the herd and breed improvement in general. Also, given the lengthy time period that each cow is expected to remain productive in the herd, breeding decisions today have a long term impact on herd profitability. For these reasons, CDN aims to provide the highest possible level of proof accuracy and stability given the various factors that may contribute to their variability. A recent look at proof stability over time has shown no systematic bias in terms of average LPI change and a maximum range in change as expected given the average LPI Reliability near 85% for newly proven sires. Analysis in this area will continue at CDN as it relates to the accuracy of first official proofs versus those three to four years later.

Author: Brian Van Doormaal

Date: July 2010

## The Golden Cow Classified

### Wanted

- ▶ First or second lactation cows with plus production and GP or better for Ontario and Quebec
- ▶ Dry Cows and Bred Heifers for Western Canada
- ▶ Animals for House cows

### For Sale

- ▶ Plus Production Cows due in September/October
- ▶ Herd Sire - Showtime x VG-87 Royalty x 92-4E Magicman
- ▶ Embryos: 3 - Ivera Billys Rosa x Sniders Option Aaron  
1 - Marshdene Nobil Mary x Sniders Loral Archie

*Contact Rob Forster for more information*



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