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Upcoming Events

Canadian Junior Limousin Association Annual General Meeting
August 25th 5pm MDT
ZOOM

Canadian Limousin Association Annual General Meeting
October 5th 5pm MDT
ZOOM

Agribition Evolution Series Entry Deadline October 22nd

Alberta Limousin Association Annual General Meeting
October 24 12pm
Stettler, Alberta

Colours of Autumn Sale
October 24
Cookstown, Ontario

Western Select Sale
December 10
Lloydminister, SK

B Bar Cattle Annual Bull & Female Sale
December 15, 2020
Lucky Lake, SK
https://www.bbarcattle.com/

N • O • T • I • C • E
Canadian Limousin Association
Annual General Meeting

Monday, October 5, 2020 – 5:00pm MDT

VIRTUAL MEETING

Join Zoom Meeting
https://zoom.us/j/99905732988

Meeting ID: 999 0573 2988
Find your local number: https://zoom.us/u/aeltOS8Jx1

13, 4101-19 Street NE, Calgary, Alberta T2E 7C4
Phone: 403-253-7309   Fax: 403-253-1704
Email: limousin@limousin.com   Website: www.limousin.com

N • O • T • I • C • E
Canadian Junior Limousin Association
Annual General Meeting

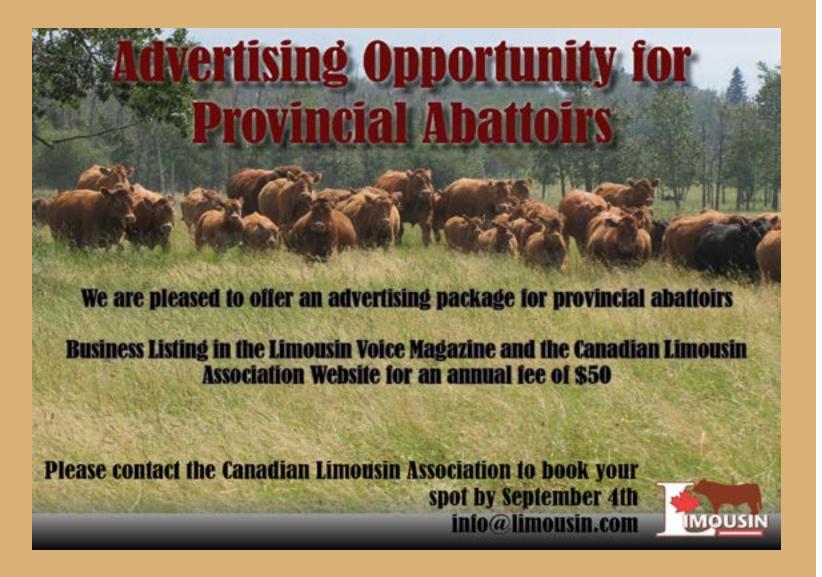## Tuesday, August 25th, 2020 – 5:00pm MDT

VIRTUAL MEETING

Join Zoom Meeting
https://zoom.us/j/97041030625

Meeting ID: 970 4103 0625
Find your local number: https://zoom.us/u/aDqmTKzpj

13, 4101-19 Street NE, Calgary, Alberta T2E 7C4
Phone: 403-253-7309   Fax: 403-253-1704
Email:cjla@limousin.com   Website: www.limousin.com

2020 "Limousin - Champion of the World" Entries

Due to most shows around the world being cancelled, we will be accepting entries from now until 1 October 2020 for the competition.

Please email bull and female entries to pjbudler@gmail.com

1. Picture of animal taken in 2020 (No editing or manipulation of animal itself)
2. Name of animal
3. Owner information
4. Country

- Open to registered Fullblood and Purebred Limousin cattle.
- The 4 official judges will select country representatives in October.
- The official judges are:
Juan Balfour (Argentina)
AJ du Toit (South Africa)
Olivier Rambert (France)
Ryley & Jill Mader (Canada)

- Any National/Premier show that does take place in 2020 will be used to qualify animals.
- The Mexico Qualifiers will be the National Show Champions.
The Australian National Show & Sale Champions will be automatic qualifiers.
- The 5th edition of the "Limousin - Champion of the World" competition takes place from 6-20 December 2020

Updates to Growth Trait Predictions

By the International Genetic Solutions Science Team

The genetic evaluation is constantly evolving with updates to models as new science is discovered and new technologies are available. One area under recent scrutiny is the prediction of growth traits (birth, weaning, and yearling weights, and milk). The International Genetic Solutions (IGS) Genetic Evaluation Science Team is implementing the following five areas of improvement for the prediction of growth traits.

1. A new definition of contemporary groups based on the age of the dam.

Regardless of how users designate contemporary groups (CG), all calves born from first-calf dams will be placed into a separate CG from calves out of mature cows. Given the vast majority of producers actually manage this age group separately, it is reasonable to define their calves as their own CG. Handling these as separate CG will reduce the environmental noise caused by different management strategies and biological constraints for this age group.

2. Milk modeling updates.

The magnitude, and even direction, of the correlation between weaning weight direct and milk, has been long debated in scientific circles. In fact, there is a wide range of estimates that exist in the scientific literature. Given that, the science team developed a model that assumes milk and weaning weight direct are independent (i.e., genetic correlation of 0). In addition, with some of the other proposed updates, it was discovered that the evaluation solved more effectively when genomics were removed for Milk EPDs. In light of this discovery, the IGS Milk EPD will not use genomic information for the time being.

3. Different variances for different sexes.

Males usually have a higher growth potential than females simply due to gender. As a consequence, the variation associated with their weights also tends to be greater. This difference in the amount of variation between the sexes are set to a male scale in the up-dated growth trait predictions.

4. New DNA Marker subset.

As the number of genotyped animals has increased, so has our ability to estimate marker effects and identify subsets that are more predictive. Relative to growth traits, a new (and larger) subset of markers has been identified to add more accuracy to EPD.

5. Accounting for different birth weight collection methods.

When we began looking into growth trait data, we discovered that not all birth weights followed expected amounts of variation. Some of the examples of reduced variation included weights rounded to the nearest 5 pounds, reduced variation when hoof tapes were used, and likely-fabricated data with little to no variation. Some of these data are useful, but they are clearly on a different scale and need to be treated appropriately. Dr. Bruce Golden developed a way to use machine learning to recognize unique features of each class of birth weight observation and predict how it was obtained. By accounting for the various categories, the genetic evaluation is still able to use submitted records that fall out of biological expectations for most scenarios, while more accurately accounting for different practices of collecting the weights.

Results of Updates to Growth Model

With these proposed changes, a considerable amount of work went into testing if the new models improved growth trait predictions. One of the most common procedures for evaluating updates to EPD systems is to exclude a certain portion of the phenotypes available, run the evaluation, and compare the correlation of the EPD from two systems to the phenotypes that were removed from the evaluation (higher correlation is better). For these updates, this procedure was used where all animals born after 2018 were excluded from the evaluation system and then comparisons between the current growth trait EPDs and the updated EPDs were made to this phenotypic information. The results for each of the analyses are presented in the following table.

Pearson correlation between parental average EPDs and excluded phenotypes from animals in the IGS genetic evaluation that were born in 2018 or later.

Trait	Updated Evaluation	Previous Evaluation
Birth Weight	0.52	0.50
Weaning Weight	0.38	0.34
Yearling Weight	0.45	0.37

The results in the table above show the evaluation updates had higher correlations to phenotypes than the previous growth trait models. This equates to more precise EPDs for Birth, Weaning, and Yearling Weight.

An additional trait that is evaluated with the growth analysis is the Milk EPD. A Milk EPD represents the genetic difference in calf weaning weight based on the maternal environment provided by the dam. Due to the nature of this trait being the maternal component of weaning weight, a different validation strategy must be used to evaluate the updated predictions. To evaluate the updated Milk predictions an expected weaning weight for the excluded animals was formed using the following equation:

Predicted Weaning Weight = Calf WW EBV + Dam's Milk EBV

This predicted weaning weight was then correlated with the excluded weaning weight phenotypes. Again, the updated predictions of Milk had higher correlations compared to the previous Milk EPDs (0.42 vs. 0.39, respectively). These results show that the updated predictions more precisely predict the weaning weight of an animal than the currently published evaluation.

Breeders may notice reranking of animals with the release of the growth trait updates. While the change may be unsettling, the end results by every measure have shown an improvement in the precision of the growth trait predictions. ST

IGS BULL SESSION

Updates to Growth Trait Predictions in the IGS Multi-breed Genetic Evaluation

Thursday, August 20 at 5:00 p.m. Mountain

Dr. Bruce Golden
Theta Solutions

Join Drs. Bruce Golden, Mahdi Saatchi, and the IGS Science team to discuss updates to growth trait predictions. New developments include better use of various types of birth weight records, improved genomic predictions, redefined contemporary grouping, and other changes to more precisely predict birth, weaning, and yearling weights, as well as milk.

Register for the IGS Bull Session at internationalgeneticsolutions.com

Dr. Mahdi Saatchi
Top Genomics

IGS International Genetic Solutions

beef@internationalgeneticsolutions.com
www.internationalgeneticsolutions.com

VIDEO SUBMISSIONS MUST BE COMPLETED OVER DROPBOX TO EMILY.GIBSON0707@HOTMAIL.COM

OLA 50 YEARS FORWARD
Scholarship

Winners will be determined by a panel of 3 judges based on equally weighted scores from the following 5 categories.

1. Creativity

2. Presentation/Originality

3. Content (Reflecting the Topics given)

4. Representation of Limousin Livestock

5. Involvement in the Limousin Breed

Must be an Active OJLA Member

Peewees
$400 in prize money

1-3 Minute Video

Ages 10 and Under

Topic for Video
- Showcase a day on your beef farm.

Juniors
$400 in prize money

1-3 Minute Video

Ages 10-13

Topic for Video
- Showcase the proper animal husbandry skills that are implemented on your farm to raise and care for Limousin cattle in the best possible way. This can include management, handling facilities, pasture management, working with or around livestock or providing proper water and nutrition etc.

Intermediate/Senior
1st Prize $1,000 • 2nd Prize $750 • 3rd Prize $500

Ages 14-21

3-5 Minute Video

Topic- How has your involvement in the limousin breed influenced you as a young producer and what goals do you see producers across Canada striving to achieve in the Limousin breed in both the short and long term.

FOR IMMEDIATE RELEASE

1200 -13th St. Street, Brandon, MB R7A 4S8
Ph:(204) 726-3590
info@provincialex.com
www.provincialexhibition.com

MANITOBA AG EX CANCELLED DUE TO COVID-19

August 14.2020 BRANDON, MB – *The Provincial Exhibition of Manitoba has made the difficult decision to cancel the 2020 Manitoba Ag Ex.which was scheduled for the last week of October 2020.*

"The health and safety of our community is of the utmost importance," said Greg Crisanti, President.

Due to the current health concerns related to the global pandemic of COVID-19, as well as the provincially mandated regulations for public health and safety, the Provincial Exhibition of Manitoba made this difficult decision.

Already having to cancel the Flagship event, Royal Manitoba Winter Fair, and Manitoba Summer Fair, as well as Midway Madness and numerous events in the Dome Building, our board decided this is the most fiscally and socially responsible action to take at this time. Early in the COVID-19 pandemic some hard decisions were made to change the format of Ag Ex for 2020, but we remained cautiously optimistic we would be able to proceed with some form of livestock show for Manitoba Ag Ex. We have worked closely with other fairs and our exhibitors to monitor the situation and adjust plans as we could. The current evolving situation and the regulations for public safety mean we must step back. The Provincial Exhibition of Manitoba will continue to monitor the evolving COVID situation and will update the public on the status of future events.

The cancellation of Ag Ex, our final event of the year, impacts the Cattle industry greatly. The opportunity to showcase and market cattle at this event is yet another hit to the cattle producers, the Provincial Exhibition of Manitoba and the community as a whole.

"What's even more difficult is this doesn't just affect our organization. There are many businesses who rely on our events to generate revenue to support their families," said Crisanti, "we are intertwined with the fabric of the community in so many ways. Everyone is hurting right now and while we want to help our community through celebration, we cannot commit to that right now." The sponsors of all the events of the Provincial Exhibition are part of our community that have also been impacted tremendously by this pandemic. Our heartfelt thank you to every sponsor, every exhibitor and all the community members that support us, and our commitment to do all we can to be here to bring you the events our community needs when the time is right.

Crisanti added, "None of our events could happen without the dedication and hard work of the staff at the Provincial Exhibition, as well as the countless volunteers, so I'd like to extend a heartfelt thanks to each one of them."

The Events hosted by the Provincial Exhibition of Manitoba were expected to generate more than $18 million in economic impact for the community in 2020. These events and activities also create hundreds of jobs, including first-time job opportunities for many youths. The Provincial Exhibition is working closely with the Canadian Association of Fairs and Exhibitions (CAFE) to advocate to the federal government for financial support to continue the legacy of events like this.

"Our industry has a very short seasonal window that has now all but passed. Events specifically have one shot to generate revenue for the next 365 days and we've lost that, this is particularly challenging operating as a non-profit," says Christina Franc, Executive Director of CAFE, "this is why we are calling on the government to provide federal support to our industry. Recovery is going to start local, and that's us so we need to make sure we are there and ready when the time is right."

Nevertheless, the Provincial Exhibition will do everything in its power to continue to bring high quality community events for years to come, continuing to be an integral part of the community as we have been for more than 138 years.

"We are committed to producing the events our community needs, but when the time is right," says Crisanti.

For more information and to arrange an interview contact:
Greg Crisanti, President
Provincial Exhibition of Manitoba 204-729-1234

Summer Breed Tag Promotion

CCIA
canadaid.ca
CANADIAN CATTLE IDENTIFICATION AGENCY

June 21 to September 18, 2020
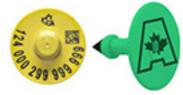
ALLFLEX

DATAMARS

ELIGIBILITY

Any breed tags purchased between June 21st and September 18th are automatically entered into a monthly draw.

Allflex Angus, Gelbvieh, Hereford, Limousin, Simmental; Datamars ComfortEar® Angus, Gelbvieh, Limousin, Simmental, Shorthorn and Datamars Zeetags for Hereford are eligible.

Orders must be approved by the respective breed association.

HOW THE DRAW WORKS

Draw entries are earned at the rate of one (1) entry for the purchase of packs of 20 or 25, and six (6) draw entries for each pack of 100 tags.

The name of the purchaser will be entered in the draw.

Draws to be videoed and posted on Facebook with permission from the winner.

HOW TO PURCHASE

Purchases can be made by phoning **1-877-909-2333** or directly from CCIA's webstore at **tags.canadaid.ca**

CCIA's "New Webstore Account" incentives still applies.

DRAW DATES AND PRIZES

Monthly draws will include CCIA Gift cards, BBQ tool sets, and lots of cool swag!

The Grand Prizes of Allflex and Datamars Readers will be drawn September 21st.

Thank you to Allflex and Datamars for their donations to this promotion.

tags.canadaid.ca | 1-877-909-2333