

CDCB Fee Schedule Update

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Recent expansion of the CDCB services portfolio

- New traits:
 - Cow livability, gestation length
 - Resistance to mastitis, ketosis, displaced abomasum, metritis, hypocalcemia and retained placenta
 - Early first calving: April 2019
- Genomic predictions for crossbred animals: April 2019.
- Profitability indices: two updates on Net Merit, Fluid Merit, Cheese Merit and Grazing Merit
- New Haplotypes
- Accuracy: all-breed genomic predictions & 80K SNP list
- Genealogy: Breed Base Representation (BBR) & Parentage discovery

Expansion of the CDCB services portfolio

- Future expansion of the services
 - Access to new data streams
 - New tools and infrastructure – e.g. feed efficiency
- Simplification of the fee schedule
- CDCB service schedule update: April 3, 2019.

CDCB Fee Schedule Principles

- Data providers to the national cooperator database
- US herds and companies
- International genotype exchange partners
- Credits deducted from a basic fee

Operational rules

- New fees: all animals nominated on or after **April 3, 2019**.
- *Female and Male Nomination Fees* are collected by nominators.
- *Artificial Insemination (AI) Service Fees* are collected by the NAAB.
- All fees collected are forwarded to CDCB.
- The *Nomination Fee* will be charged only on the first genotype submitted for evaluation on an animal.
- There will be no refund of fees.
- The CDCB genomic fees are in addition to lab and genomic nominator fees.

Particular services

- Genotypes sent to the CDCB for parentage verification only will be charged a *Parentage Verification Fee* of \$1 and will not receive genomic evaluation results.
- All qualifying animals nominated before January 1, 2019, that have failed the SNP-based breed representation test and consequently never received genomic evaluations from CDCB are entitled to receive, free of charge, genomic evaluations after the implementation of the new procedures for genomic evaluations of crossbred animals in April 2019. Crossbred animals nominated from January 1, 2019, onward will be charged the regular CDCB service fees.

Female Nomination Fees

Female Basic Nomination Fee	\$ 8
<u>Cooperator Credits^a:</u>	
Female born in a US herd?	\$ 4
• Milk yield data provider?	\$ 2
• Conformation data provider?	\$ 1
• Health data provider?	\$ 1
Female born in a Canadian herd?	\$ 2

^a*Final nomination fee = Basic nomination fee – Cooperator credits*

Female Nomination Fees

- **Milk yield data provider**
 - minimum of 4 DHI tests in the past 12 months
 - at least 50% of the eligible first lactation females calving in the prior 14 months OR at least 100 females in the same group who have received official cow genetic evaluations for milk yield, which include their own phenotypic information.
- **Conformation data provider**
 - at least 20 females receiving their first conventional conformation evaluation in the prior 12 months (OR 20% of the eligible females in the same group).
- **Health data provider**
 - eligible first lactation females calving in the prior 14 months who have received official cow genetic evaluations for any of the health traits, which include their own phenotypic information.

Female Nomination Fees

- After each tri-annual full genetic evaluation (April, August and December), US herd credits will be determined by the herd's contributions to the national cooperator database. The credit assignments will take effect on the release date of the tri-annual genetic evaluation.
- Herds without an opportunity for health genetic evaluations because CDCB doesn't provide evaluations for a particular breed can have the "Health Data Provider" credit if supplying health events data to the national cooperator database meeting the CDCB data editing minimum requirements.

Minimum requirements of health data for CDCB genetic evaluations

- Species code = 0 (dairy cattle)
 - Lactation numbers 1 to 5
 - Days In Milk (DIM) 0 to 400
 - Known sire
 - Age at calving \geq 18 months
 - Herd-year must have at least 1 occurrence of event
 - Herd-year must have at least 5 cows with lactation records
 - Herd-year incidence must be less than population mean + 3 SD
- DIM requirements by event. Animals must meet this minimum DIM requirement; events must occur within this time frame
 - Milk fever = 30 DIM
 - Displaced abomasum = 60 DIM
 - Ketosis = 60 DIM
 - Mastitis = 210 DIM
 - Metritis = 90 DIM
 - Retained placenta = 10 DIM
 - Additional constraints for Health Data Provider credit1st lactation cows calving within the previous 14 months

Male Nomination Fees

Male Basic Nomination Fee	\$ 200
<u>Cooperator Credits^a:</u>	
Controller is a collaborator stud?	\$ 175
Foreign male submitted by an international genotype exchange partner?	\$ 200
Male born in a US herd?	\$ 100
• Milk yield data provider?	\$ 25
• Conformation data provider?	\$ 25
• Health data provider?	\$ 25

^a*Final nomination fee = Basic nomination fee – Cooperator credits*

Male Nomination Fees

- **Controller is a collaborator stud:** the male controller, regardless of the male's country of origin, must be
 - NAAB member
 - CDDR member
 - organization with a parent company in the United States, which is in the semen selling business
- **Foreign male submitted by an International genotype exchange partner:**
 - Males submitted by international genotype exchange partners that are born outside of the US and are subject to the nomination fee of the home country of the exchange partner.
 - Appropriate AI Service Fee will still apply if the US evaluation is used to market the male.

Male Nomination Fees

- If a male receives a U.S. genomic evaluation after March 5, 2013, and it is determined there was not a signed purchase contract or the lease did not conform to the above conditions, the person or organization marketing the male will be subject to a \$10,000.00 penalty collected by CDCB for each male and may lose the privilege of genomic testing males for up to 1 year.
- The submitter is responsible for informing the CDCB certified genomic nominator the origin of citizenship or U.S. corporate status at the time of nomination.

Artificial Insemination Service Fees

Basic AI Service Fee	\$ 1,600
<u>Cooperator Credits^a:</u>	
Controller is a collaborator stud?	\$ 800
Foreign male submitted by an international genotype exchange partner?	\$ 800

^aFinal AI service fee = Basic AI service fee – Cooperator credits

Artificial Insemination Service Fees

- Multiple-herd AI males or multiple-owner/syndicate males with a genomic evaluation and a first semen release date of March 1, 2013, or later must enroll in the NAAB Cross Reference Program and pay the designated one-time AI Service Fee if the US genomic evaluation is being used to sell semen.
- AI Service Fee is based on the controlling organization.
- Marketed AI males will only receive a genetic evaluation 3 times a year in the tri-annual evaluations.
 - The cross-reference file determining the CDCB AI service fees is updated three times a year and becomes effective at the subsequent April, August or December tri-annual evaluation.

Artificial Insemination Service Fees

- Foreign males > 16 months of age will have genomic evaluations publicly released. After that the publication of updated genomic evaluations will continue only if the AI Service Fee is paid.
- Genomic predictions for males controlled by international genotype exchange partners will be provided to those organizations and will not be included in the US official release files past 15 months of age unless AI Service Fee is paid.
- If it is discovered that semen has been sold using a US genomic evaluation on a male with a semen release date of March 1, 2013, or later and notice of the intent or payment of *AI Service Fee* have not been paid at the time the first semen was sold, the appropriate fee must be paid plus a \$1,000.00 late fee. In addition, the owner(s) may lose the right to genotype males for an indefinite period, at minimum, until all fees due on all males are paid.

NEW FEES – WHAT CHANGES FOR NOMINATORS?

Characteristics

- Fee code determined by CDCB from the group name in most cases
- If animal or dam not found in herd given, DHI & type data searched for herd
- Start group name with “USA” to qualify for US herd credit if herd code not in DHI or type data
- Fee code S indicates qualification for stud credit
- International genotype exchange partner code P, will be determined by breed, sex, and requester ID

Characteristics cont.

- Canadian credit determined from country code of ID
- Fee code N only for genotypes submitted only for pass through to CDN
- Fee Code P only for foreign approved partners with initial fee
- CAN credit only for females
- Genotypes for breeds other than AY, BS, GU, HO, JE are expected to be designated for parentage only and will be so assigned if not
- Animals in foreign countries if not qualifying for other code have 3-character country code leading group name.

Other changes

- Fee \$1 for parentage only
- No higher fee for bulls over 15 mo
- All bulls < 15 mo have their evaluations released beginning in August
- Errors revised to report discovered herd and fee applied if different from those supplied

No change

- Herd Reason code causes skipping of checking for animal or dam in herd

New fee codes (females)

Code	Fee amount	Description
1	\$0.00	US birth & yield & health & type
2	\$1.00	US birth & yield & (health or type)
3	\$2.00	US birth & yield
4	\$3.00	US birth & (type or health) (health probably not possible w/o yield)
5	\$4.00	US birth
6	\$6.00	CAN birth
7	\$8.00	No exemptions
8	\$1.00	Parentage only

New fee codes (Male)

Code	Fee amount	Description
P	\$0.00	International exchange partner (code P)
S	\$25.00	Controller is a collaborator stud
1	\$25.00	US herd providing yield & health & type
2	\$50.00	US herd providing yield and (health or type)
3	\$75.00	US herd providing yield
4	\$75.00	US herd providing type or health
5	\$100.00	US herd
7	\$200.00	No exemptions
8	\$1.00	Parentage only

Genotype Queries

Link	Query Description
●	Genotype Query: show (and fix) the usability/error status of received genotypes
●	Genotype Move/Swap APP : correct bad genotype to animal assignments
●	CDCB-Nomination_Q : ADD/REMOVE/UPDATE nomination and genotype information
●	(Apr. 3) CDCB-Nomination_Q : ADD/REMOVE/UPDATE nomination and genotype information
●	Check FMT1 records
●	Check Dam : Check animal pedigree and error information, and dam pedigree/progeny/calving dates.
●	Get 116 parentage SNP
●	SAMPLE_ID look up tool for DNA labs
●	Get CDCB Fee from herdcode
●	(Apr.3) Get CDCB Fee from herdcode
●	Retrieve Parentage Validation Record
●	Get herd code and CDCB Fee for specified animal ID
●	(Apr.3) Get herd code and CDCB Fee for specified animal ID
●	Generate Genotype reports based on requester ID
●	Genomic 'How Do I ?' Documentation
●	Generate Lab reports based on LAB ID

Get Fee Code by HERD ID

Fees from RUN=1904

Herd	Fee code	Yield	HTH	Type
51019026	2	Y	Y	N

Get Fee Code for Animal by ID

Fees from RUN=1904

Animal Key	Animal ID	Anim Herd	Fee	***	Dam Key	Dam ID	Dam Herd	Fee	***	Eval Date
74773589	HOUSAF000074678574	51019026	2		65258080	HOUSAF000071247536	51019026	2		20190401

Update Lock Status

No Locks were detected at 03:39:32 PM 12/Mar/2019 [GMT]

User Input	Sex	Anim_ID	NAAB ID	Name	Sire_ID	Dam_ID	Birth Date	MBC	SRC
HO840003199636744 4627	F	HO840003199636744		BDI DURST FARSANO 4627	HO840003132426397	HOUSA000072952369	2018-12-25	1	B

Entry	Rec.	PI	Sample ID	Sold	Nom. ID	Stud	Group / Herd ID	Fee	HRC	Record Actions
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Click here to toggle display of 'NEW Nomination' form.

TBD	NEW	N	4627		HO		51019025	1		<--- Add This NEW Record
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Suggested Fee and Herd Code do NOT match input !

Suggested FeeCode : 2

Suggested Herd Code : 51019026

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Documentation on New Fee Codes

- The fee code document is

https://redmine.uscdcb.com/projects/cdcb-customer-service/wiki/CDCB_Fee_Schedule_for_Genomic_Evaluation_Fees

- For implementation details including fee codes

https://redmine.uscdcb.com/attachments/download/5295/Changes_in_application_CDCB_initial_fee_codes_Final.pdf

Thank you!

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