

COUNCIL ON DAIRY CATTLE BREEDING

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Council on Dairy Cattle Breeding Fee Schedule for Genomic Evaluation Fees Effective March 22, 2013

The U.S. system is recognized as a leading genetic evaluation system and standard around the world. The Council on Dairy Cattle Breeding (CDCB) plan is to allow access to the system so that the U.S. genomic evaluations can be incorporated into genetic selection programs worldwide.

In the genomics era, the service required to prepare the dataset, run the genomic evaluations 12 times a year plus 3 official sire summaries in April, August, and December, and distribute these genomic evaluations has increased exponentially. Furthermore, there is a need to grow the database to ensure there is sufficient type, production, health and fitness data to refresh the SNP estimates every generation.

The genomic fees are structured in such a manner that those who are providing the most data or information of the greatest value to the cooperator database are rewarded for their contribution. The fee schedule encourages everyone to not only maintain but grow the amount and kinds of data they are contributing to the system to improve genomic estimates in the future. The CDCB board approved the fees in following table at their February 18, 2013 board meeting.

Nominators can determine the appropriate fee using a query system that will return a code from 1 to 6 based on the herd's previous contribution to the database. Some examples of the range are:

- A code 1 is available to a requester whose animal's family has supplied the most valuable data into the CDCB database.
- A code 6 indicates there is limited evidence of a contribution to the database.

All required female fees and initial male fees will be collected by the nominator. AI service fees will be collected by NAAB. All fees collected will be forwarded to the CDCB. The female and initial male fees will be charged only on the first genotype submitted for that animal.

There will be no refund of fees, even if the tests results do not work to the requester's satisfaction. The footnotes to the fee schedule provide explanations to help determine the appropriate codes.

For further information please email: enquiry@cdcb.us or Tel: 301.525.2006

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Council on Dairy Cattle Breeding (CDCB) Fee Schedule for Genomic Evaluation

Fees Effective March 22, 2013

Rate Code	Kind of Participation	Female Fee ^{1, 2, 14}	Initial Male Fee ^{1, 3, 14}	AI Service Fee Males ^{1, 4, 14, 15, 16}
1	Total Program ⁵	\$0.00	\$20.00 ¹⁰	\$800.00 ¹⁰
2	Member ⁶	\$2.00	\$30.00	\$800.00
3	Non-member ⁷	\$5.00	\$200.00	\$800.00
4	Canada ⁸	\$8.00	\$300.00 ¹²	\$1400.00 ¹²
5	Approved Partners ⁹	\$10.00	\$20.00 ¹²	\$1400.00 ¹²
6	All others ¹¹	\$10.00	\$400.00 ¹³	\$2000.00 ¹³

Footnotes

- 1 Each animal nominated must have a unique permanent ID.
- 2 Genotyped female will receive a genomic evaluation monthly. If a female is retested, there will be no fee for any secondary test(s).
- 3 Genotyped US males will receive a genomic evaluation monthly but will not be on any lists past 15 months of age unless AI service fee is paid. Foreign genotyped males will receive evaluations monthly up through 15 months of age. To obtain additional genomic predictions for these, their *AI Service Fee* must be paid. If not paid, the genomic prediction will not be accessible via CDCB web queries, nor will they be incorporated into pedigrees. Instead, traditional Parent Averages can be used.
- 4 Any multiple-herd AI bulls or multiple-owner/syndicate bulls with a genomic evaluation and a bull with a first semen release date after March 1, 2013 must enroll in the NAAB Cross Reference Program and pay the designated one-time *AI Service Fee* regardless of the country in which semen is being sold. *AI Service Fee* is determined by controlling organization. NAAB will collect the *AI Service Fee* and will be forwarded to the CDCB. The requirement to pay an *AI Service Fee* should be part of the signed nomination form so the requester is informed of the rules when paying the *Initial Male Fee*. If semen is used in only the owner's herd(s), an AI service fee is not required, and in that case the bull will not appear on any lists.

5. Eligibility for Total Program rate requires that the animal or it's dam must be in the herd inventory of a DHI herd that has contributed to the cooperator's database by having at least 50% (or 100 animals) of their eligible first lactation animals calving in the 14 months prior to the last official genetic evaluation receive cow evaluations for milk yield and had at least 4 animals classified (appraised) that contribute to the breed association's genetic evaluations for type. Note: eligibility of animals is impacted by evaluation edits, (for example, in-progress lactations having <40 days in milk at run cutoff are not included in the genetic evaluations).
6. Eligibility for Member rate requires that the animal or it's dam must be in the herd inventory of a DHI herd that has contributed to the cooperator's database by having at least 20% (or 50 animals) of their eligible first lactation animals calving in the 14 months prior to the last official genetic evaluation receive cow evaluations for milk yield. Any herd that did not contribute production data to the cooperator database, but classified all first lactation females at least once in the 14 month period prior to the latest sire summary can also qualify for Member rates. The breeds will need to provide information to the CDCB to determine which herds and/or animals meet this condition via the type route.
7. Non-member rates are available to any animal in a US herd that does not qualify for Total Program or Member rates.
8. Females or males born and residing in Canada receive special consideration due to the exchange of all genotypes between Canada and the US. The fee will be collected by Canada on behalf of the CDCB.
9. Males provided by approved partners receive Code 5 rates which will be \$20.00 for initial male fee due to an agreement to exchange male genotypes with the US. Any other bulls from these countries will use the *All-others* rate (Code 6). Approved exchange partners will be nominated by NAAB.
10. Any US citizen, regular NAAB member, CDDR member, or organization with a parent company in the US which is in the semen selling business that has a signed contract to:
 - a) purchase a bull, or
 - b) purchase 1st choice of all the bulls in a flush, or
 - c) lease a bull with marketing rights in all or all but 1 country, or
 - d) lease 1st choice of all bulls in a flush with marketing rights in all or all but 1 country

are required to pay an *Initial Male Fee* of \$20.00 for each bull regardless of the bull's country of origin. The *AI Service Fee* will be \$800.00 for any male owned or leased under the situation described above. Any other male will require the higher designated *Initial Male Fee* and/or *AI Service Fee*. If a bull receives a US genomic evaluation after March 5, 2013 and it is discovered that there was not a signed purchase contract or the lease did not conform to the above, the person or organization will be subject to a \$10,000 fine collected by CDCB for each bull and may lose the privilege of genomic testing males for up to 1 year. Please be aware that any bull with a foreign country codes will be limited to the publication requirements in footnote 3 above, even those receiving the \$20.00 *Initial Male Fee*. Note: The CDCB relies on the requester to determine citizenship and it will need to be designated at nomination.

11. Those not qualifying for Codes 1 to 5 rates will pay the *All-others* rates.
12. If bulls nominated by Canada or approved exchange partners from UK or Italy are over 15 months of age, an initial fee of \$1,400.00 is required at the time of nomination and the *AI Service Fee* is waived.
13. If bulls nominated by All Others are over 15 months of age, an initial fee of \$2,000.00 is required at the time of nomination and the *AI Service Fee* is waived.
14. Fees are usually determined by the DHI herd code or country of origin. Therefore, when nominating, enter the DHI herd code when the animal or its dam are in the herd inventory, or enter the 3-letter country (e.g. CAN, ITA, USA, etc.) of the animal into the first 3 positions if there is no DHI herd code. The same field can be used for DHI number or country of birth; it is an alphanumeric field.
15. Marketed AI bulls (those with codes of A, G, F, and I) will only receive a prediction 3 times a year in the official evaluations.
16. If it is discovered that semen has been sold anywhere in the world and the *AI Service Fee* has not been paid at the time the first semen was sold, the appropriate fee must be paid plus a \$1,000 late fee. In addition the owner(s) may lose the right to genotype males for an indefinite period, at a minimum until all fees due on all bulls are paid.

AVAILABILITY OF US GENOMIC PREDICTIONS TO COOPERATING
ORGANIZATIONS IN ITALY AND THE UNITED KINGDOM:

Genomic predictions for bulls controlled by approved exchange partners in Italy and UK (Approved Partners) will be provided to those organizations and will not be included on the US files past 15 months of age unless *AI Service Fee* is paid.

Please be aware that any other bulls with a foreign country codes will be limited to the publication requirements in item 3 above, even those qualifying for the \$20.00 *Initial Male Fee*.

Acronyms

CDCD = Council on Dairy Cattle Breeding

NAAB = National Association of Animal Breeders

CDDR = Cooperator Dairy DNA Repository

DHI = Dairy Herd Improvement or Dairy Records Providers