



Minnesota 4-H Dairy Genetic Information for Calves and Yearlings

Reviewed May 2026

Due: Aug. 3 at Animal Science Night.

Your information

4-H member full name: _____ County: _____

Animal information

Breed: _____

Animal date of birth (month, day, year): _____

Registration name or barn name/number: _____

Registration number or heifer permanent ID: _____

Instructions

All dairy exhibitors of calves and yearlings are strongly encouraged to provide genetic information on their animals. To be eligible for the Total Merit class, animals must be sired by a bull with a published PTA Net Merit Dollar Value (NM\$) or by a young A.I. bull with a pedigree index. The dam must have a PTA NM\$ or the dam's sire must have a published PTA NM\$. The genomic PTA NM\$ value will be used for heifers that have been genomically tested.

The genetic information will be used in the following ways:

1. Reported in show catalog
2. Used to rank animals in the Total Merit placings.

Where to find the genetic information

The CDCB offers the most up-to-date genetic information site (<https://www.uscdcb.com/>). Click on "WebConnect". Or click on <https://webconnect.uscdcb.com/#/queries>. This step is free but now required to get information.

1. Heifers that have been genomically tested will have their genomically supplemented NM\$ available online and can be obtained through the "Animal ID (17 bytes/ Animal ID" option. Enter 1-letter breed code (e.g. H for Holstein) and ID number (registration number (eg. H15862265)); Complete RFID code with 2-letter breed code and 15-digit RFID (eg. HO840003008328790); or breed and DHIA ear tag number (eg. H41WUC6326).

2. A sire's PTA NM\$ may be obtained from his registration number or NAAB code.
 - If registration number is known: click on "Animal ID". Enter breed (first letter of the breed's name) and registration number in the window and Run Query. The bull's latest genetic evaluation should appear.
 - If NAAB code is known: click on "NAAB code". Enter bulls NAAB code (eg. 29HO9685). Run Query. (This same procedure can be used to find the maternal grandsire's PTA if the dam's PTA is not available.)

3. A dam's PTA NM\$ may be obtained by clicking on "Animal ID". Enter permanent ID as outlined above in 1.

Another source of information is the DHI Youngstock Genetic Evaluation (sent to DHIA clients after each genetic evaluation). If the DHI Youngstock Genetic Evaluation is not available, sire values may be found on the DHI Reproductive Report, USDA sire summary lists or from A.I. stud information. Dam information may be found on the Milking Cow Genetic Evaluation or the Cow Page.

Complete as much information as possible. Accurate and complete information is necessary for the verification of the genetic values.

Sire Information

Bull's Registration Name: _____
 Registration number: _____
 Bull NAAB Code: _____
 Bull PTA NM\$: _____

Dam Information

Dam's Registration Name: _____
 Barn Name or Herd Number: _____
 Registration or Permanent ID: _____
 PTA NM\$: _____

Dam's Sire Information

Bull's Registration Name: _____
Registration number: _____
Bull NAAB Code: _____
Bull PTA NM\$: _____

NM\$ Genetic Value

_____ x 2 = _____
Genomic Heifer PTA NM\$ NM\$ Genetic Value

If heifer is not genomically tested, then the following formula is used:

_____ + _____ = _____
Sire PTA NM\$ Dam PTA NM\$ NM\$ Genetic Value

If Dam's PTA NM\$ is unavailable, then $\frac{1}{2}$ the Dam's Sire PTA NM\$ is used:

_____ + $\frac{1}{2}$ x _____ = _____
Sire PTA NM\$ Dam's Sire PTA NM\$ NM\$ Genetic Value

Please fill out all information completely and accurately. If you have any questions, you may contact Brad Heins, dairy specialist, at (320) 589-1711 ext. 2118 or hein0106@umn.edu.