

# Minnesota 4-H Dairy genetic information for calves and yearlings

## Your information

County:
4-H member full name:
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 catalogue
- 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 (www.uscdcb.com/). Click on "Animal Queries". If you do not have an account, click on "Request New CDCB Account". This step is free but now required to get

information. After you log in and "accept" the terms of the agreement, you come to the CDCB Database Queries screen.

- Heifers that have been genomically tested will have their genomically supplemented NM\$ available online and can be obtained through the "Get cow evaluation" 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 "Get official bull evaluation by ID". Enter breed (first letter
    of the breed's name) and registration number in the window and submit. The bull's latest genetic
    evaluation should appear.
  - If NAAB code is known: click on "Get bull ID number from NAAB ID code". Enter bulls NAAB code (eg. 29HO9685). Submit. (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 "Get cow evaluation". 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 Numbe	er:
Registration or Permanent I	ID:
PTA NM\$	



Dam's Sire Information		
Bull's Registration Na Registration number: Bull NAAB Code: Bull PTA NM\$:	me:	
NM\$ Genetic Value		
	x 2 =	
Genomic Heifer PTA NM\$		NM\$ Genetic Value
If heifer is not genomically tes	sted, then the following formula is	used:
+	=	
Sire PTA NM\$	Dam PTA NM\$	NM\$ Genetic Value
If Dam's PTA NM\$ is unavaila	able, than ½ the Dam's Sire PTA I	NM\$ is used:
+ ½ 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 Tony Seykora, dairy specialist, at (612) 624-3448 or seyko001@umn.edu.

