4-H FORM 6 (State Fair) 2016
DAIRY GENETIC INFORMATION FOR CALVES AND YEARLINGS

County

<table>
<thead>
<tr>
<th>Last Name</th>
<th>First Name</th>
<th>Animal Registration Name or Barn Name/Number:</th>
<th>Birthdate:</th>
<th>Phone Number</th>
<th>Area code</th>
<th>Breed</th>
<th>Registration Number or Heifer Permanent ID:</th>
</tr>
</thead>
</table>

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:

A. The CDCB offers the most up-to-date genetic information on their internet website. The site can be accessed at: https://www.cdcb.us/cgi-bin/general/Qpublic/query-selection.cgi

   1. 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 (eg. 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.

B. 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**

\[
\text{Genomic Heifer PTA NM$} \times 2 = \text{NM$ Genetic Value}
\]

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

\[
\text{Sire PTA NM$} + \text{Dam PTA NM$} = \text{NM$ Genetic Value}
\]

**If Dam’s PTA NM$ is unavailable, then ½ the Dam’s Sire PTA NM$ is used:**

\[
\text{Sire PTA NM$} + \frac{1}{2} \times \text{Dam’s Sire PTA NM$} = \text{NM$ Genetic Value}
\]

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.