

## **News NAV routine evaluation**

### **2 July 2019**

The latest Nordic Cattle Genetic Evaluation (NAV) routine genomic prediction took place as scheduled. NAV carried out genomic prediction for Holstein, RDC and Jersey:

#### **Data used in genomic prediction**

Genotypes were extracted from the joint Nordic SNP data base 13 June 2019. INTERBULL information from April 2019 and national information from 7 May 2019 run were included in the genomic prediction. A new chip *Euro G MD* is used for genotyping from mid-June 2019. The new chip contains more SNPs than the so-called *Euro LD chip* used until mid-June. In practice it means that less imputation is required to bring all genotypes up till the 54K standard, and we will get slightly higher reliabilities of GEBVs based on the *Euro G MD* genotype than the *Euro LD chip*.

#### **Publication of GEBVs**

GEBVs for bulls and females are published monthly. Nordic phenotypic information is updated 4 times a year (February, May, August and November), and is used in the reference population for genomic prediction. The GEBVs are expressed on the same cow base as in the November evaluation; cows born from 07.05.2014 to 07.05.2016.

Official GEBVs for bulls used for AI in Denmark, Finland or Sweden are published at the [NAV Bull Search](#) page.

Official NAV GEBVs for foreign AI bulls not used for AI in Denmark, Finland and Sweden are published on the [NAV homepage](#) in an excel sheet. The excel sheet also includes GEBVs for bulls used for AI in Denmark, Finland and Sweden. The excel sheet includes AI bulls that are from 10 months to 5 years old at the date of publication. The excel sheet is mainly useful for foreign AI-companies.

Interbull EBVs/GEBVs are published at the [NAV Interbull Search](#) page. The Nordic total merit index (NTM) is not calculated based on GMACE GEBVs, since Interbull regulations do not require member countries to calculate total Merit Indices based on Interbull GEBVs, and internationally it is not a common practice.

**Nordic Cattle Genetic Evaluation:** [www.nordicebv.info](http://www.nordicebv.info)

Contact person: Gert Pedersen Aamand, Ph.: +45 87405288 [gap@seges.dk](mailto:gap@seges.dk),

**Denmark:** <https://www.landbrugsinfo.dk>

Contact person: Ulrik Sander Nielsen, SEGES, Cattle, Ph. +45 87405289, [usn@seges.dk](mailto:usn@seges.dk)

**Sweden:** [www.sweebv.info](http://www.sweebv.info), [www.vxa.se](http://www.vxa.se)

Contact person: Emma Carlén, Växa Sverige, Ph +46 10 4710614.

[Genetic.Evaluation@vxa.se](mailto:Genetic.Evaluation@vxa.se)

**Finland:** [www.faba.fi](http://www.faba.fi)

Contact person: Jukka Pösö, Faba co-op, Ph +358-(0)207472071 [jukka.poso@faba.fi](mailto:jukka.poso@faba.fi)