

## **News NAV routine evaluation**

### **4 April 2018**

The latest 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 21 March 2018. INTERBULL information from December 2017 and national information from 6 February 2018 run were included in the genomic prediction.

Normally newly genotyped cows get the genomic information combined with the phenotypic information right away in the monthly evaluation. But due to some computer problems, it is not the case in the April run for cows which had phenotypes in February run, and have been genotyped after February. In practice the problem is limited and is only valid for 10-15 cows getting a GEBV in the April run without including the cow's own phenotype. These small group of cows will get own phenotypes included in the GEBV in May.

#### **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), meaning that Nordic information used in the reference population for genomic prediction is updated 4 times a year. The GEBVs are expressed on the same cow base as in the November evaluation; it means cows born from 06.02.2013 to 06.02.2015.

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

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

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

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