

News - NAV routine evaluation

15 May 2008

The latest NAV routine evaluation for yield, fertility, type, udder health, calving traits (only Holstein), milk ability and temperament traits took place as scheduled. NAV did three evaluations per trait group (except calving traits):

Holstein evaluation, including data from: Danish Holstein, Danish Red Holstein, Swedish Holstein, Finnish Holstein, Finnish Ayrshire and Finn Cattle.

Red evaluation, including data from: Danish Red, Swedish Red, Finnish Ayrshire, Finnish Holstein and Finn Cattle

Jersey evaluation, including data from: Danish Jersey

Extraction dates

Dates for extraction of data from national databases are given in table 1.

Table 1 Dates for extraction of data from the national databases

Trait	Denmark	Finland	Sweden
Yield	09.04.2008	06.04.2008	30.03.2008
Type, milk ability and temperament	25.04.2008	06.04.2008	14.04.2008
Fertility	10.04.2008	06.04.2008	04.04.2008
Udder health	21.04.2008	06.04.2008	04.04.2008
Calving	21.04.2008	06.04.2008	04.04.2008

News in relation to NAV genetic evaluation

Type

We have found an error in the Finnish coding of hoof and foot angle – the two traits have been switched in the input file. The error has been corrected and has a negligible effect on the feet and leg index for Finnish bulls

No changes for all other traits

Genetic base

EBVs for Bulls and females are expressed to the same cow base. At this genetic evaluation include the genetic base (average 100) cows born from 15.5.2003 to 15.5.2005.

For functional traits sire models are used and EBVs for cows are not estimated. For functional traits the genetic base includes bulls, which are sire of present cows – see table 2.

Table 2. Definition of genetic base for cows and bulls

Trait	Genetic base
Yield, type, milkability and temperament	Cows born 15.5.2003 -15.5.2005
Fertility, calving and mastitis resistance	Bulls born 15.5.1999-15.5.2001

NAV data included in Interbull test run in April 2008

Changes in NAV routine evaluations have to be included in an Interbull test run before they can be included in a routine evaluation. In April NAV sent:

- Type data for RDC, Holstein and Jersey

- Yield data including Swedish Test Day data for Holstein and RDC
- Calving data for RDC

NAV – frequency and timing of routine runs

NAV has 6 evaluations per year for all traits. The NAV evaluations are timed in a way so NAV can deliver updated EBVs to all the international evaluations. In table 3 the current and future NAV and Interbull release dates are shown.

Table 3. NAV and Interbull release dates in 2008. EBVs released at NAV dates with bold will be delivered to international genetic evaluation.

Month	2008	
	NAV	INTERBULL
January	15th	First Tuesday after 11th
February		
March	15th	
April		1st Tuesday
May	15th	
June		
July		
August	15th	3rd Tuesday
September		
October	15th	
November		
December	1st	

You can get more information about the joint Nordic evaluation:

General about Nordic Cattle Genetic Evaluation: www.nordicebv.info

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