

## **News - NAV routine evaluation**

**1 June 2007**

The latest NAV routine evaluation for yield, type, milk ability and temperament traits took place as scheduled. NAV did three evaluations per trait group:

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

Yield data included in the evaluations was extracted from the national databases the following dates: Denmark 30.4.2007, Finland 22.4.2007 and Sweden 29.4.2007

Type, milk ability and temperament data included in the evaluations was extracted from the national databases the following dates: Denmark 12.5.2007, Finland 22.4.2007 and Sweden 7.5.2007

### **News in relation to NAV genetic evaluation**

#### *Yield*

- No changes

#### *Type*

- No changes

#### *Milk ability and temperament*

- No changes

### **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 01.06.2002 to 01.06.2004.

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 1.

Table 1. Definition of genetic base for cows and bulls

Trait	Genetic base
Yield, type, milkability and temperament	Cows born 01.06.2002 -01.06.2004
Fertility and mastitis resistance	Bulls born 01.06.1998-01.06.2000

### **NAV fertility data included in Interbull routine run**

- NAV fertility data for Holstein is included in the Interbull routine run in May.
- Pilot studies of international genetic evaluations for fertility for Red Dairy Cattle and Jersey breeds gave positive results and Interbull has decided to conduct a test run for the two breeds in September 2007. NAV will deliver RDC and Jersey fertility data to the test runs.

### **NAV calving trait**

- Start of NAV routine runs for calving traits waits for results and conclusions from ongoing comparisons of NAV EBVs and current national EBVs. NAV calving traits data was included in the Interbull test run in March

### **NAV – frequency and timing of routine runs**

NAV has decided to change the frequency and timing of routine runs as consequence of the changes in timing of the international genetic evaluation at the Interbull centre, which will be introduced in autumn 2007. Currently NAV has 7 evaluations per year for type and yield and 4 per year for all other traits. From 1st January 2008 and onwards NAV will have 6 evaluations per year for all traits. The future NAV evaluations are timed in a way so NAV can deliver updated EBVs to all the international evaluations. In table 2 the current and future NAV and Interbull release dates are shown.

Table 2. NAV and Interbull release dates in 2007 and 2008. EBVs released at NAV dates with bold will be delivered to international genetic evaluation.

	2007		2008	
Month	NAV	Interbull	NAV	INTERBULL
January	<b>15<sup>th</sup></b>		15 <sup>th</sup>	First Tuesday after 11 <sup>th</sup>
February		2nd Monday		
March	1 <sup>st</sup>		<b>15<sup>th</sup></b>	
April	<b>15<sup>th</sup></b>			1st Tuesday
May		2nd Monday	15 <sup>th</sup>	
June	1 <sup>st</sup>			
July	<b>15<sup>th</sup></b>			
August		2nd Monday	<b>15<sup>th</sup></b>	3rd Tuesday
September				
October	15 <sup>th</sup>		15 <sup>th</sup>	
November				
December	<b>1<sup>st</sup></b>		<b>1<sup>st</sup></b>	

You can get more information about the joint Nordic evaluation:

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

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