

## NAV Beef Search – how to use it?

[nordic.mloy.fi/NAVBeef/](http://nordic.mloy.fi/NAVBeef/)


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## NAV Beef Search


- **NAVBeef/Pure beef/Beef x Beef**
  - NAV breeding values for purebred beef bulls (AI and private) and cows
  - Opens 2<sup>nd</sup> of November
- **Beef x Dairy**
  - NAV breeding values for AI beef bulls evaluated on their crossbred offspring from Nordic dairy cows
  - Working since 2019
- **Interbeef**
  - International genetic evaluation for beef cattle carried out by Interbull Centre
  - Interbeef results are available on NAV homepage

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## NAV Beef

- Includes all bulls and cows which have official NAV purebred beef evaluation
  - Publication rules are fulfilled
- Updated after each PbB evaluation - 4 times a year
- Includes search page and animal's own page
- 5 language versions 
- All pictures in this presentations are from the demo page of NAV beef
  - Demo is under constant updating - NOT READY YET!
  - All index values and some other information is "dummy"


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## NAV Beef – search parameters

- Breed - Has to be chosen!
- Other search parameters are optional
  - Birth country
  - Sex
    - Hopefully later also status (AI/stud bull)
  - Name
  - International ID
    - When this is selected, more additional search parameters opens

NAV Beef search		
Beef x Dairy	NAVBeef	Interbeef
Search parameters		
Breed	Aberdeen Angus	▼
Birth country	All countries	▼
Sex	Bulls	▼
Name		
International ID		

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## NAV Beef – additional search parameters

- Show bulls with herdbook number in: Choose country
- When search parameter International ID is selected:
  - Show sons/daughters of an animal
  - Show maternal grandsons/grandaughters of an animal
- Show only animals born between years

**Additional search parameters**

Show bulls with herdbook number in

Show sons of bull

Show maternal grandsons of bull

Show only bulls/cows born between  -

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## NAV Beef – filter with indices

- Possible to select one or more traits
- Equal (=), bigger (>) or smaller (<) than the selected index value
- Lists the animals that have the selected traits with the selected index values

**Filter with indices**

Daily carcass > 110 Remove

Carcass fat s > 110 Remove

Select index

**Search**

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The screenshot shows the NAV Beef search interface with three tabs: Search parameters, Additional search parameters, and Filter with indices. The search results table includes columns for International ID, Name, Birth year, Birth month, Birth day, Birth weight, Birth length, Birth height, Birth score, Birth score (adj.), Birth score (adj. 2), Birth score (adj. 3), Birth score (adj. 4), Birth score (adj. 5), Birth score (adj. 6), Birth score (adj. 7), Birth score (adj. 8), Birth score (adj. 9), Birth score (adj. 10), Birth score (adj. 11), Birth score (adj. 12), Birth score (adj. 13), Birth score (adj. 14), Birth score (adj. 15), Birth score (adj. 16), Birth score (adj. 17), Birth score (adj. 18), Birth score (adj. 19), Birth score (adj. 20), Birth score (adj. 21), Birth score (adj. 22), Birth score (adj. 23), Birth score (adj. 24), Birth score (adj. 25), Birth score (adj. 26), Birth score (adj. 27), Birth score (adj. 28), Birth score (adj. 29), Birth score (adj. 30).

Annotations on the screenshot include:

- "Possible to make pdf/excel file of 50 top animals" pointing to the "Top 50 pdf" and "Top 50 excel" buttons.
- "Possible to sort the top list according to each column" pointing to the column headers.
- "Filter with indices" pointing to the filter section.

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## Animal's own page

- Enter by clicking the int ID or name in the top list
- Basic information:
  - Name, date of birth, sex, breeder
  - Evaluation
    - Bulls: BxD/NAV beef/(Interbeef)
    - Cows: NAV beef/(Interbeef)
  - Herdbook number for bulls in DFS countries
- All breeding values – 18 traits
  - Reliabilities
  - Previous evaluation
  - Pedigree

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Number of progeny and herds? Nordisk Avlsværdi Vurdering • Nordic Cattle Genetic Evaluation

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Advantage

Here will be a box with information of number of progeny and herds in different trait groups.

Beef x Dairy

Item	Value	Item	Value
Item	15/07/2010	Item	NAV0000000110010
Owner	Åkerbein Angen	Item	NAV0000000101700
Producer		Item	NAV0000000000000
Production	Beef/Dairy	Item	NAV00000000121700
Interbreed ID	NAV0000007803000006	Item	NAV0000000000000

Herds/stock number

Item	Value
FTV	07600
SNR	120/00
DNK	5810

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Show  Fullabilities  Previous evaluation

Trait	Current evaluation	100	80	60	100	110	120	130	Reliability	Previous evaluation
BWt weight, maternal	100								04	110
BWt weight, direct	86								04	86
Weaning weight gain, maternal	100								04	99
Weaning weight gain, direct	100								04	123
Weaning weight, maternal	101								04	94
Weaning weight, direct	85								04	84
Hot carcass gain	100								04	97
Hot carcass gain	100								04	90
Carcass conformation score	74								04	67
Genetic fit score	121								04	120
Calving ease, maternal, 1st calv.	121								04	120
Calving ease, direct, 1st calv.	102								04	97
Diff survival, maternal, 1st calv.	100								04	100
Diff survival, direct, 1st calv.	74								04	69
Calving ease, maternal, 2nd calv.	110								04	107
Calving ease, direct, 2nd calv.	100								03	112
Diff survival, maternal, 2nd calv.	100								03	108
Diff survival, direct, 2nd calv.	95								03	95

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NAV beef – in the future

- Subindices
- More search parameters if needed
- Animals own page
  - Number of progeny and herds
  - Total number of progeny/number of progeny with birth weight?
- Monogenic traits
- Beef trends



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Photo by Kaisa Sirkkö

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