

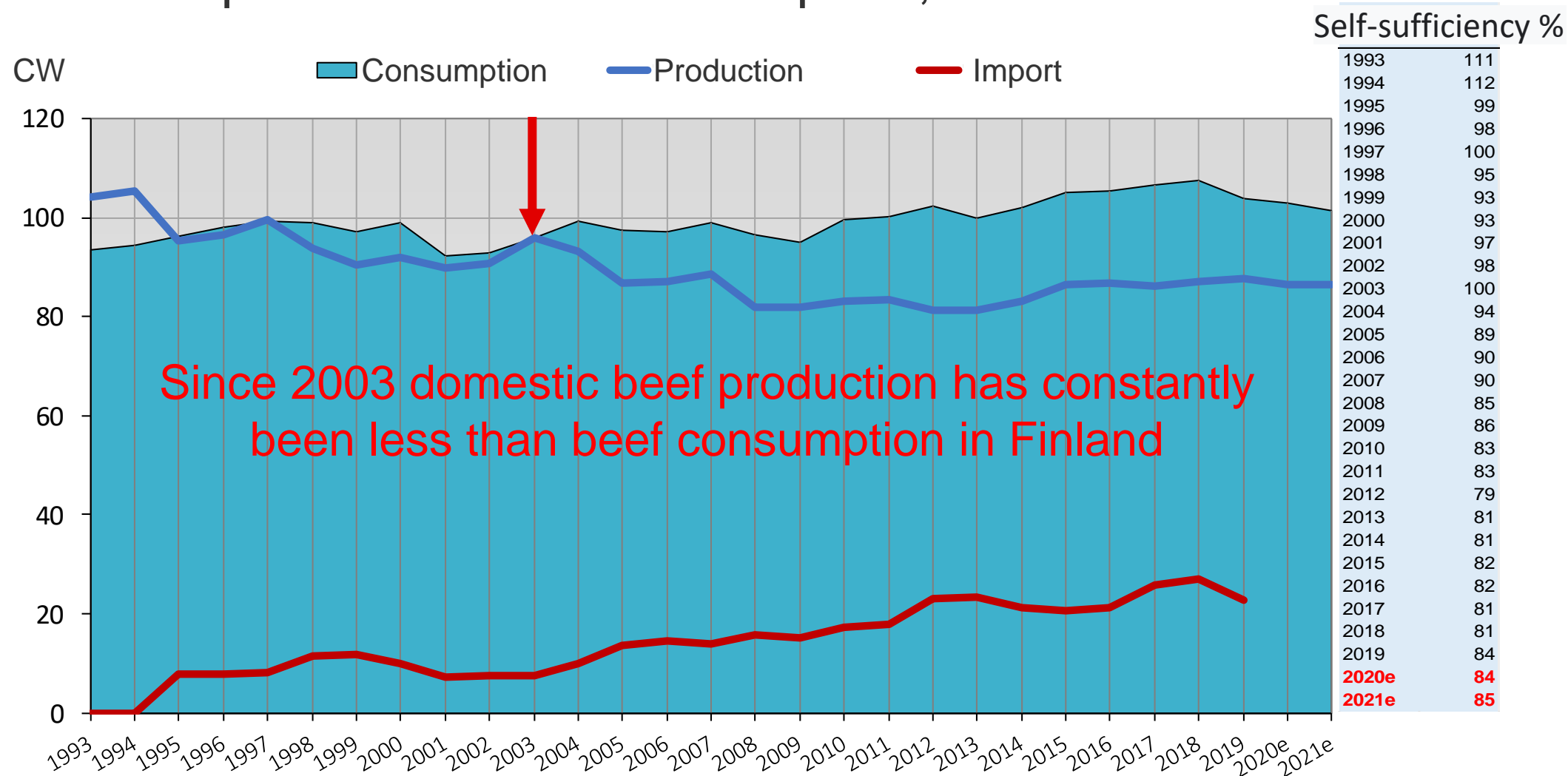


Future beef production from dairy herds the role of dairy cattle breeding

NAV Workshop 19.01.2022

Sinikka Hassinen, Atria

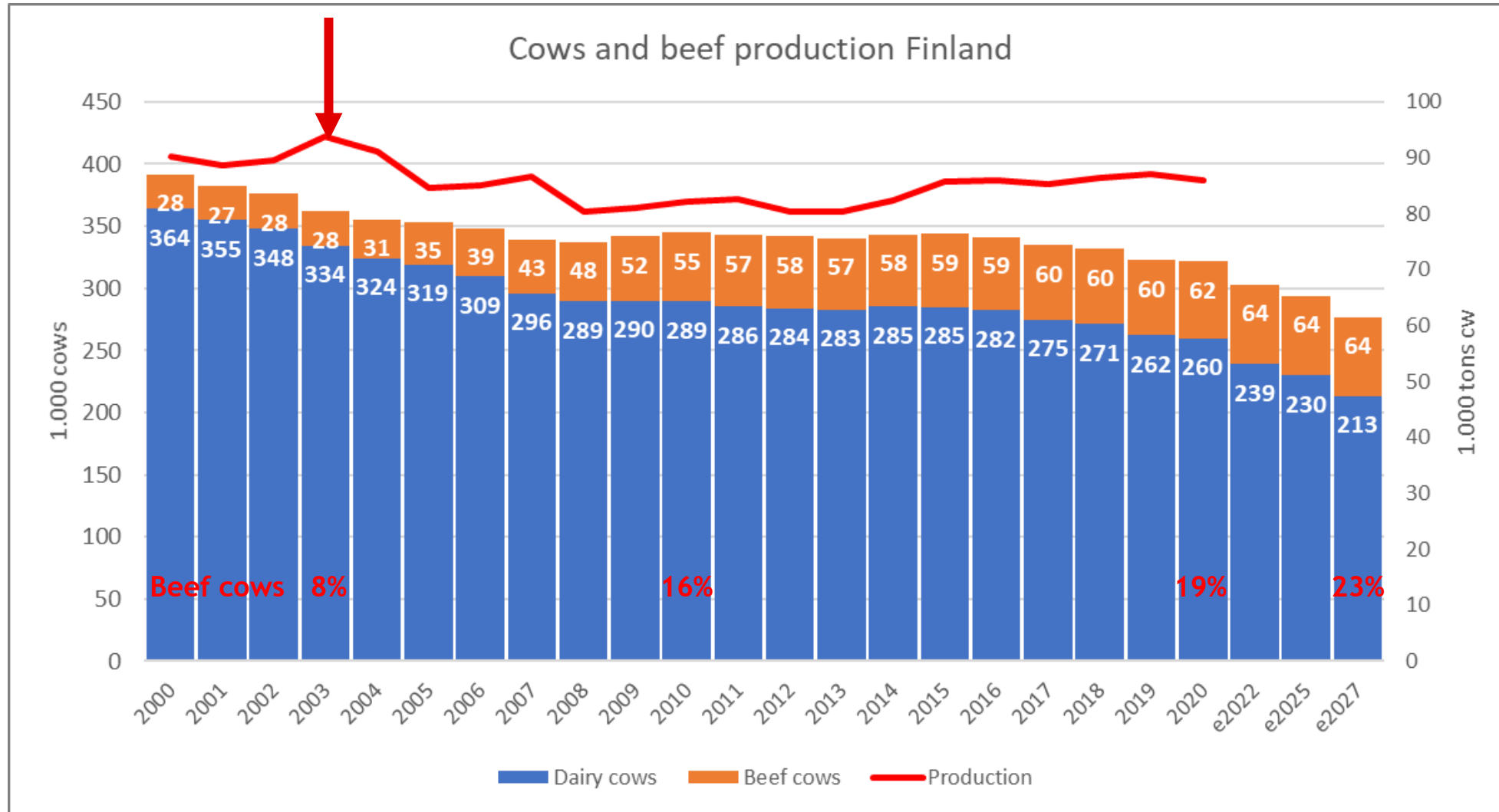
Beef production and consumption, 1.000 tons



*Luullisesta lihasta luutonta 80%, lisäksi kypsennyshävikki vaihtelee 10-30% tuotteesta riippuen

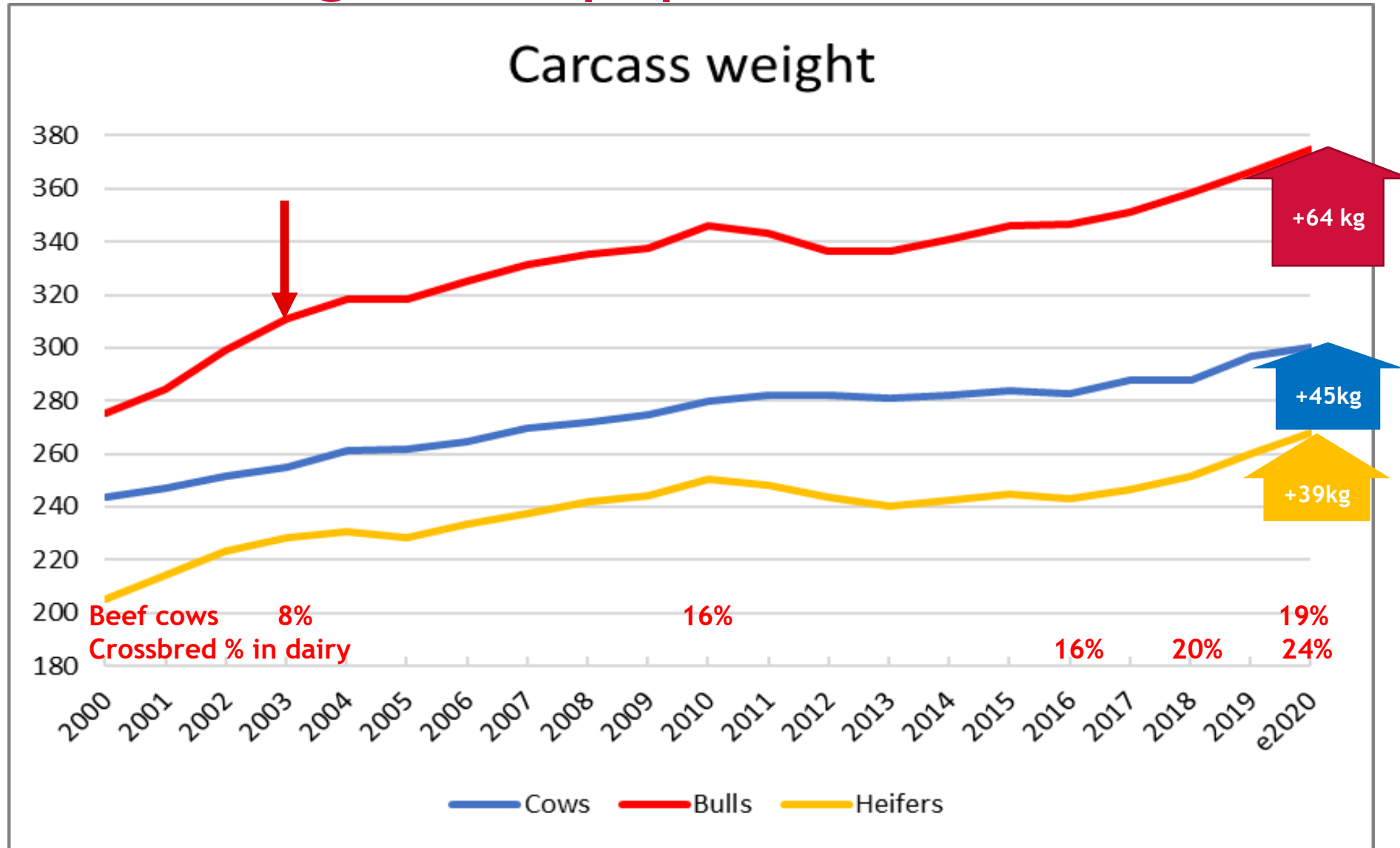
Lähde: Luke, Tulli, Kantar TNS Agri

Decreasing cow population in Finland

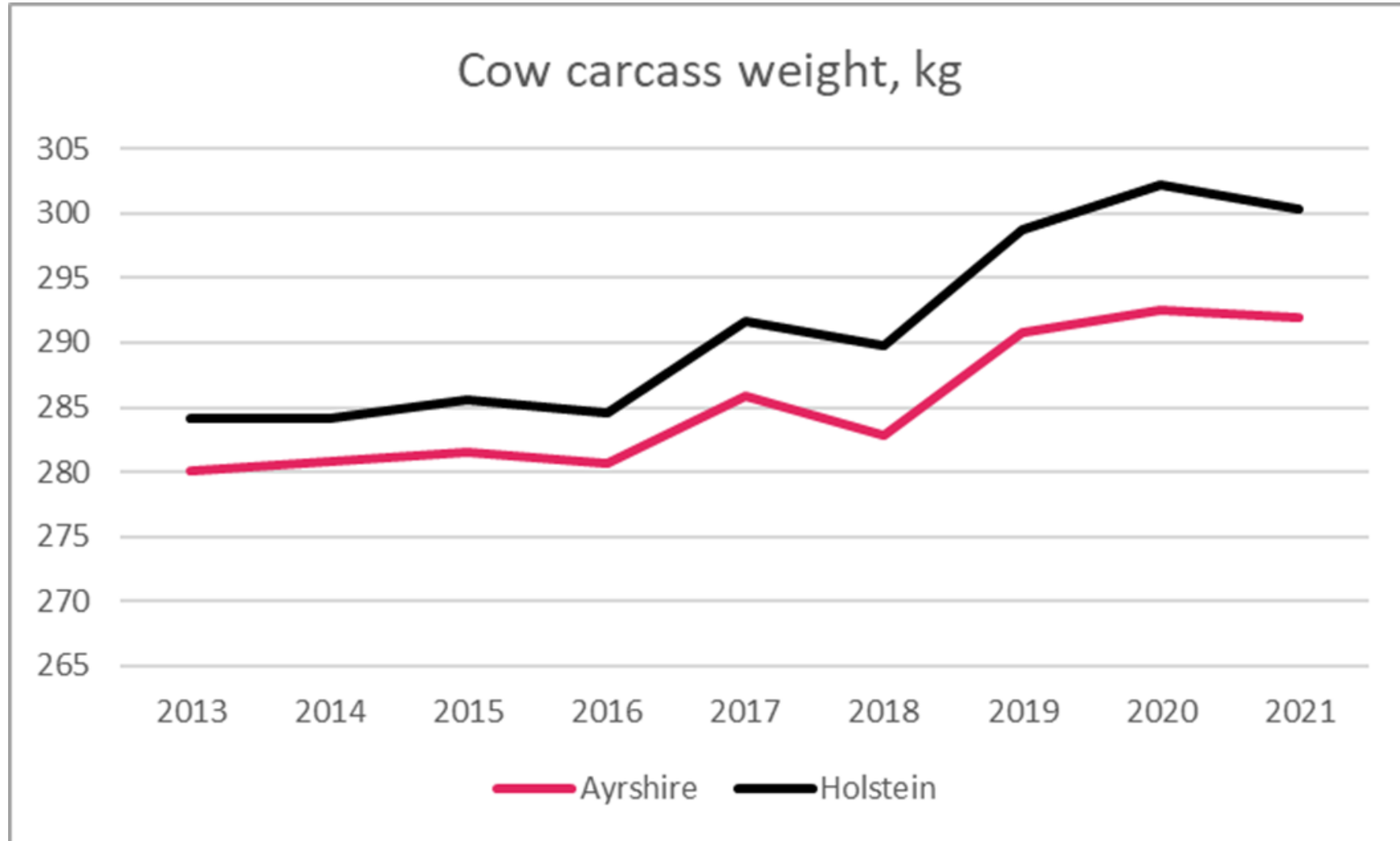


Cow numbers in 2022, 2025 and 2027 based on “Farm future prospects 2020-27” survey (n=1.500 cattle farms)

Increasing carcass weights has compensated decreasing cattle population



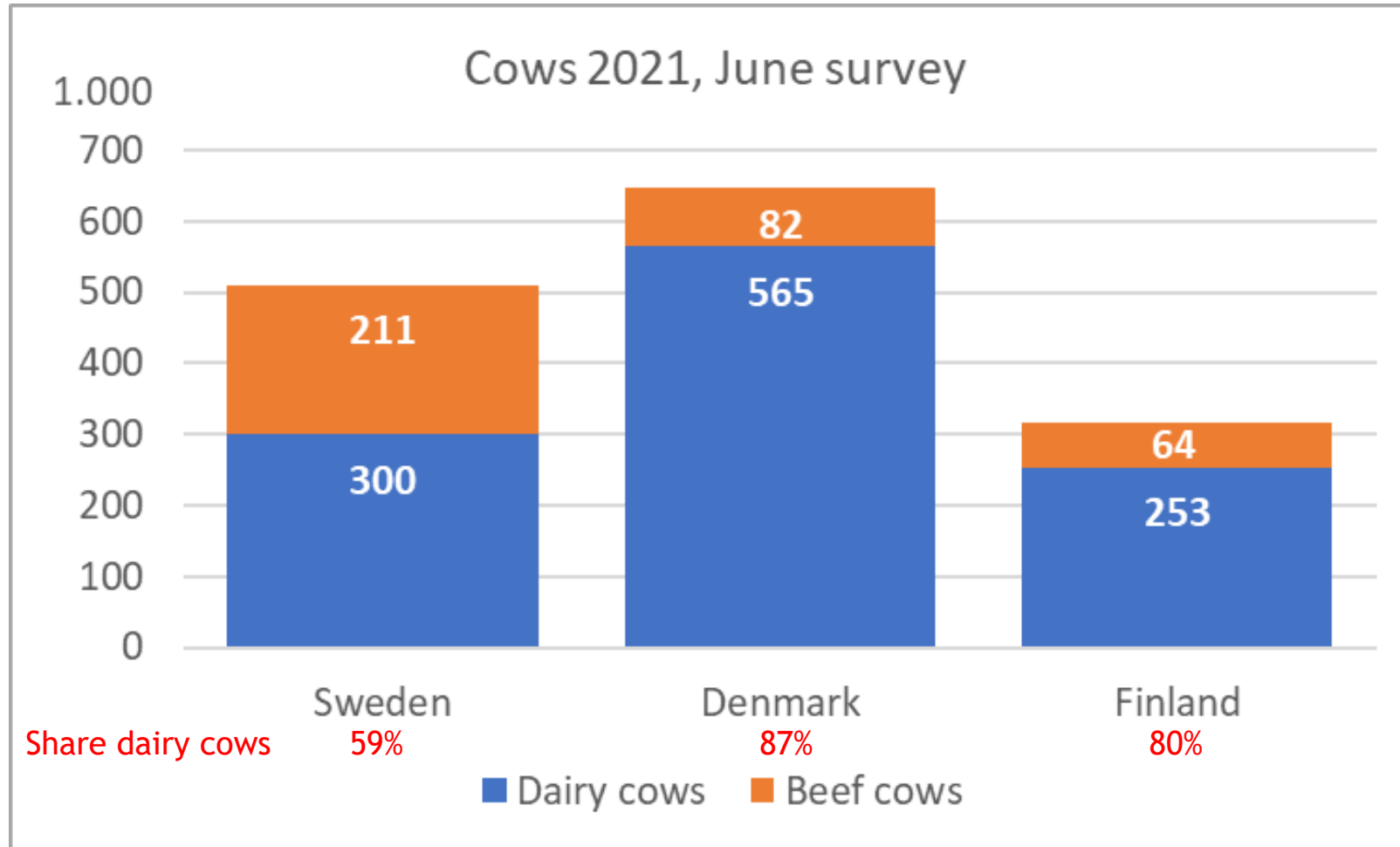
Also dairy cow carcass size has increased



Role of dairy herds in beef production in Finland

- Over 30% of total beef is purchased directly from dairy herds
 - Ca. 90% of slaughter cows
 - Ca. 20% of bulls and heifers
- Ca. 138.000 calves (56%) out of 245.000 live born calves on dairy farms are being sold to finishing farms for beef production.

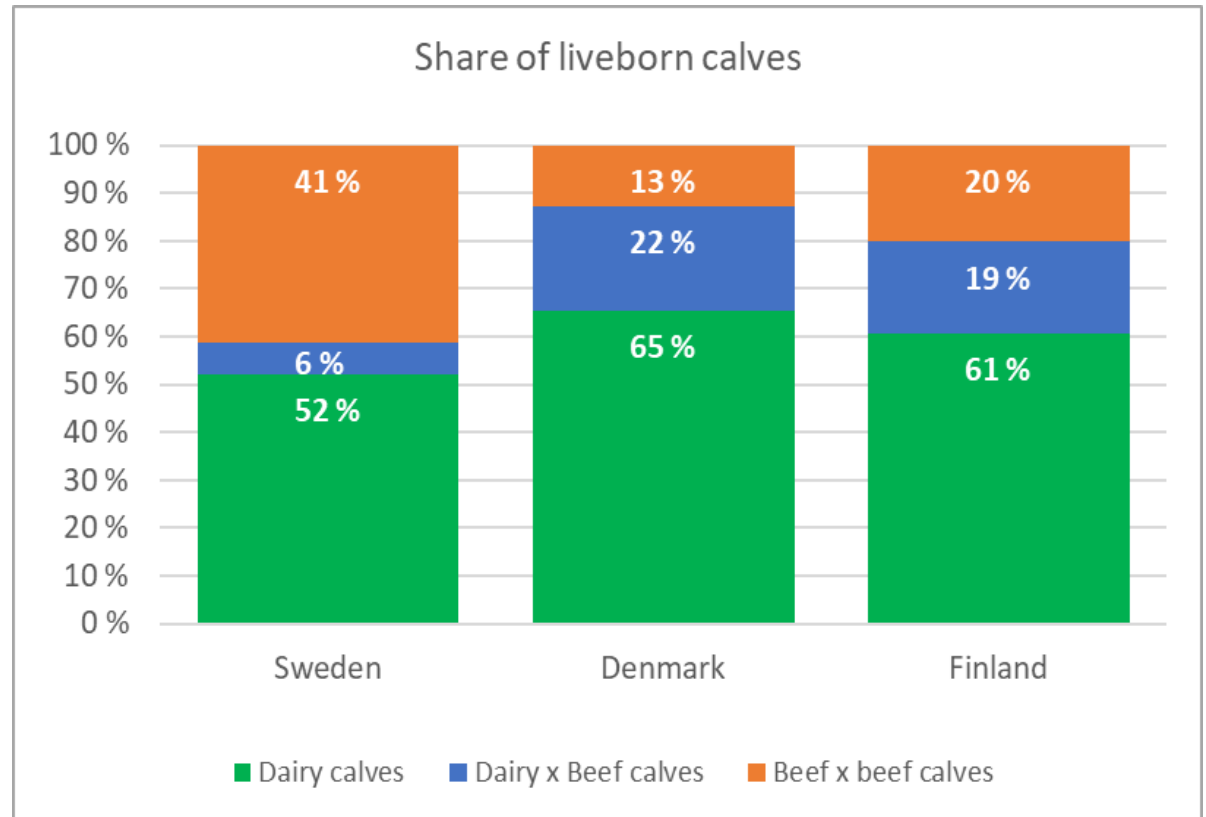
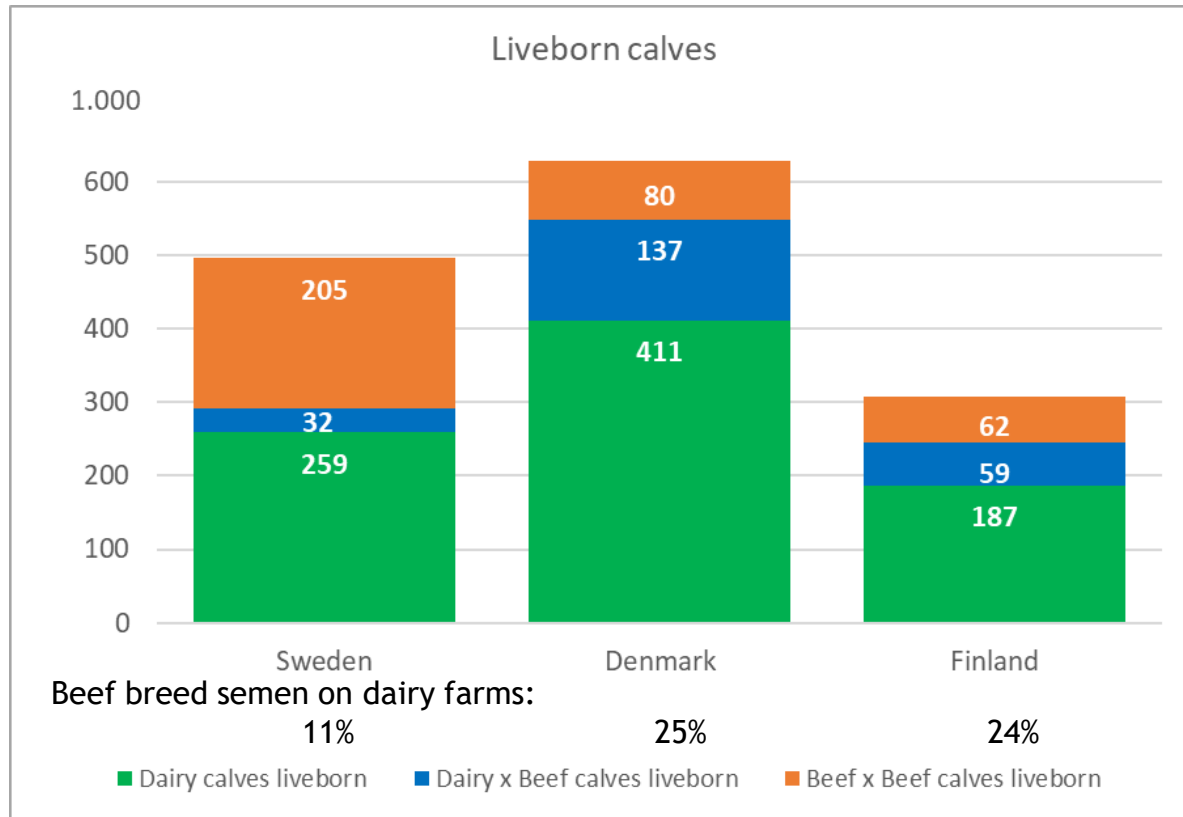
Dairy herds have important role in Scandinavia



Source: EU statistics

Crossbreeding is
an effective dairy breeding
method on farm level

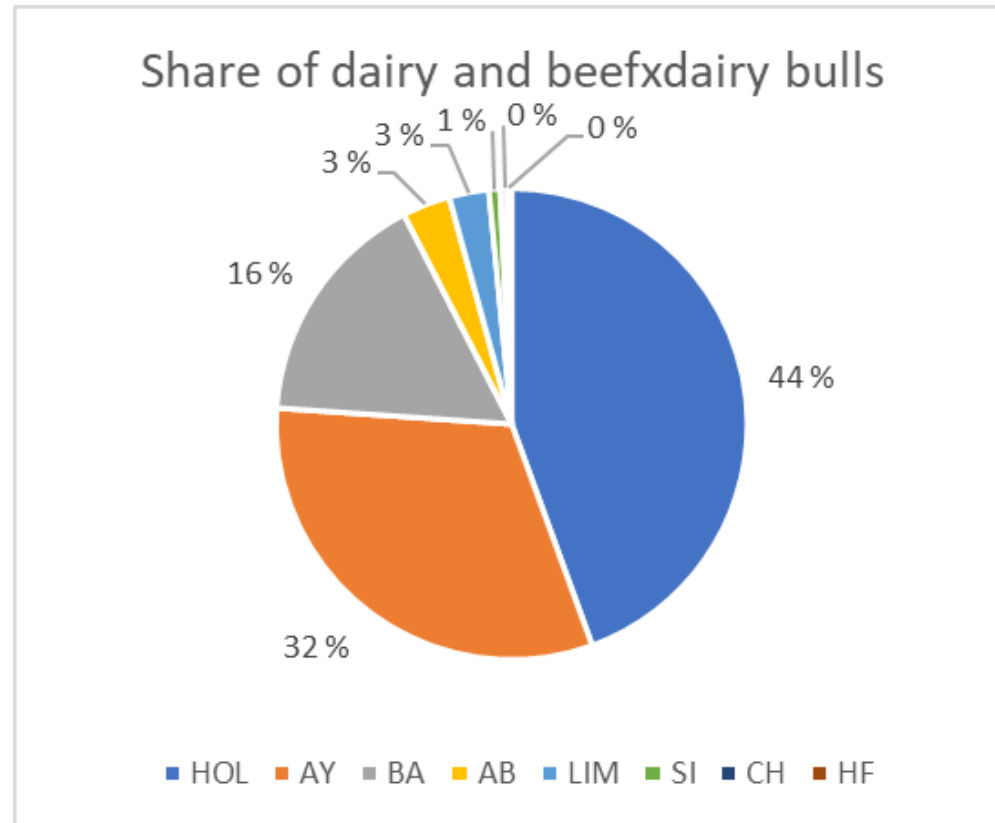
Dairy x Beef calves have increasing role



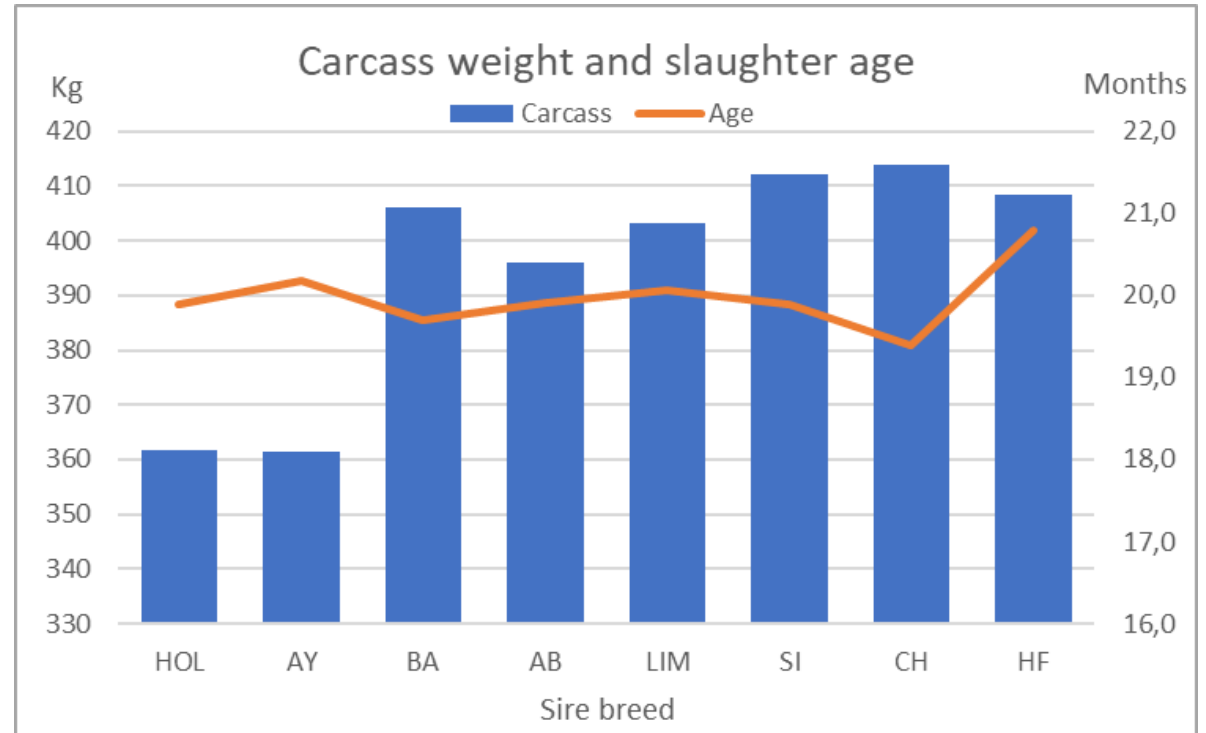
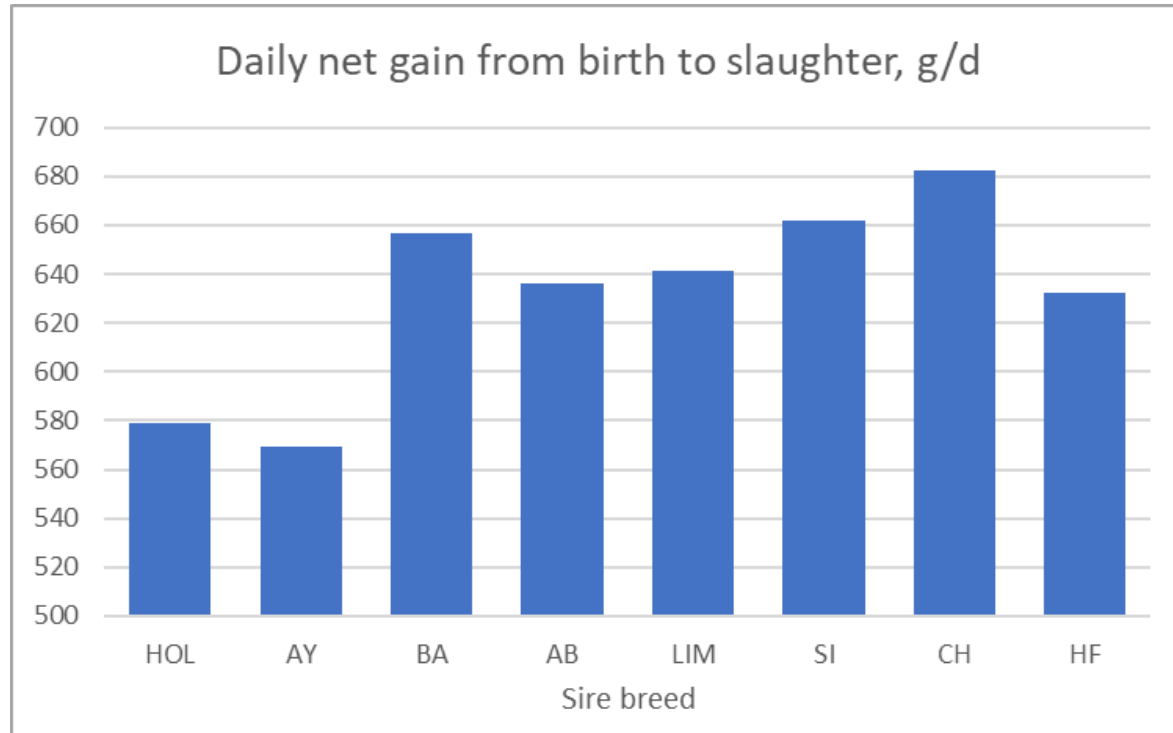
On the other hand over 50% of calves born are Dairy.

So: Both quality of beef breeds and dairy breeding has big impact on beef production.

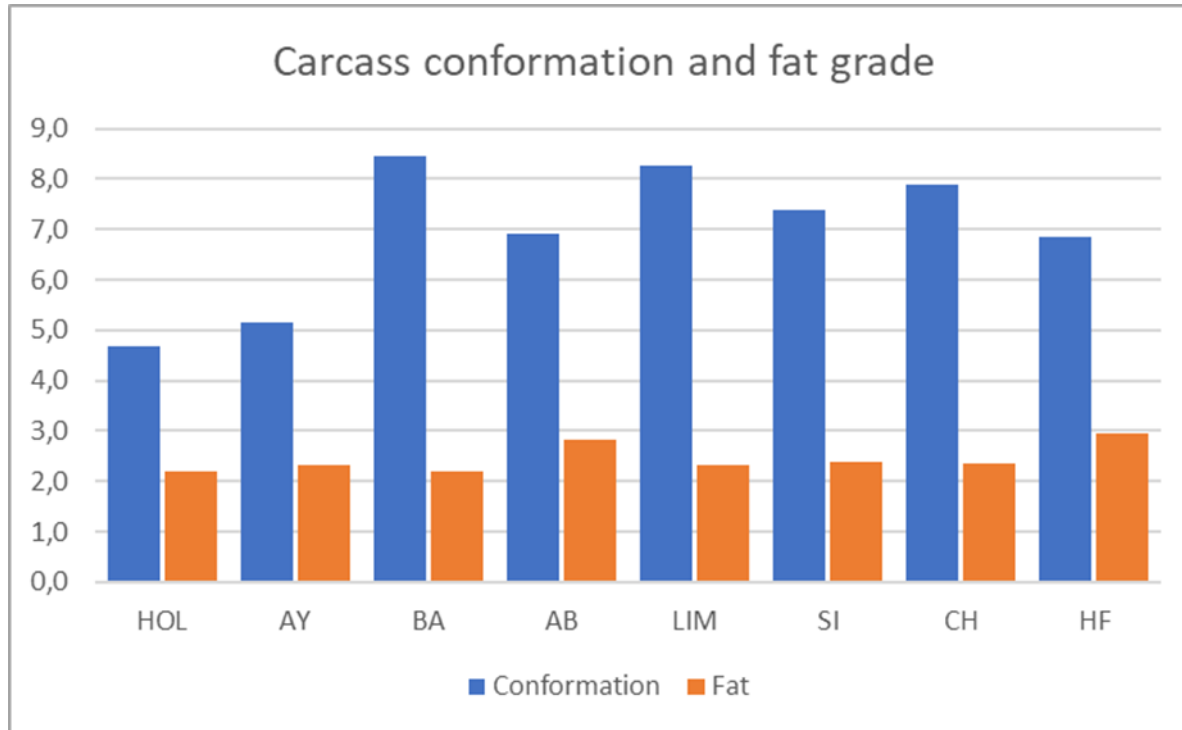
Dairy and Beef x Dairy bulls, Atria 2021



Dairy and Beef x Dairy bulls, Atria 2021



Dairy and Beef x Dairy bulls, Atria 2021



Summary Beef x Dairy added value:

- + Better daily gain
- + Better carcass conformation
- + Low or moderate fat

EUROP conformation

15 = E+	12 = U+	9 = R+	6 = O+	3 = P+
14 = E	11 = U	8 = R	5 = O	2 = P
13 = E-	10 = U-	7 = R-	4 = O-	1 = P-

Fat: 1-5

Are we able to increase crossbreeding on dairy farms?

- Dairy farms are decision-makers; Good beef bull "reputation" is critical:
 - ← Easy calvings
 - ← Low calf mortality
 - ← Good calf price
- Values of finishing farms buying the calf:
 - ← Good daily gain
 - ← Carcass conformation
 - ← Good health
 - ← No premature slaughterings
- Most popular breeds in Finland so far:
 1. Blonde d'Aquitane
 2. Limousin
 3. Aberdeen Angus

Sustainability in Scandinavian beef production?

- Environment:
 - Low Carbon footprint
 - ← Good daily gain
 - ← Feed efficiency
- Health:
 - Resistance of respiratory diseases
 - Good leg and body conformation
- Cattle vigor:
 - Low cow mortality
 - Low calf mortality

Atria Breeding Bull Station in Finland

- 200 bulls (AB, HF, CH, SI and LIM) tested annually.
- RFI (Residual feed intake) measured.
- Genotyped.
- Tested for growth, conformation, docility etc.
- Sold in a Bull Sale in April-May.
- First AI bull sold from Atria Breeding Bull Station (angus bull VB Shamaan) to Viking Genetics last year!
- Genomic Breeding values will be published in 2022.
More than 13.000 animals of main beef breeds (AB, HF, CH, SI and LIM) genotyped now in Finnish herds. Atria and other slaughterhouses have been involved in genomic projects.



Photos: Susanna Vehkaoja

What about beef eating quality?

World's Best Steak/Producer 2018

Reference ID	Entrant Company Name	Producer Company Name	Animal's Country of Origin	Steak Type
WSC-0262	JN Meat International	JN Meat International	Finland	Sirloin

It was Ayrshire heifer.

World's Best Steak/Producer 2019

Stage	Reference ID	Entrant Details Company*	Steak Type*	Predominant Feed Regime of Animal (at least 90% grass or grain fed)*	Animal's Country of Origin*
World's Best Steak 2019 – Best Rib Eye and Best Grass Fed	WSC-0682	JN Meat International	Rib Eye	Grass Fed	Finland

It was Ayrshire heifer!

2021 World's Best Steak/Producer

Code	Company Name	Medal	Cut	Country of Origin	Predominant Feed
SIR-099	JN Meat International	World's Best Steak, Best Sirloin & Best Grass Fed	Sirloin	Finland	Grass Fed
FIL-021	Jack's Creek	Best Fillet	Fillet	Australia	Grain Fed
RIB-043	Jack's Creek	Best Rib Eye & Grain Fed	Rib Eye	Australia	Grain Fed

It was Ayrshire heifer!!



NEWS

THE DANISH COMPANY JN MEAT INTERNATIONAL ONCE AGAIN COMES OUT ON TOP BEING THE WORLD'S BEST STEAK PRODUCER.

After being crowned best steak producer in the world 2018 and 2019, JN MEAT INTERNATIONAL once again came out on top at the World Steak Challenge 2021 (after the 2020 competition was cancelled due to Covid)

Almost 400 steaks from 23 countries competed this year in Dublin November 10th 2021.

During a 12 hour session a professional jury together with a consumer-jury judged the many steaks in terms of taste, tenderness and appearance.

The juries found that a sirloin steak from the SASHI series from JN MEAT INTERNATIONAL was the overall best of all steaks.

As a result, this steak was crowned the best in the world, and the company the best steak-producer in the world for the third time in a row, after also winning in 2018 and 2019.



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