

VikingGenetics - innovative breeding

NTM



PROCROSS

MONTBELIARDE / HOLSTEIN / VIKINGRED
VIKINGRED / HOLSTEIN / MONTBELIARDE



Focus in our breeding programmes



Genetics to support profitable and sustainable dairy business



Reliable data behind breeding programmes



Natural defence against diseases



High production

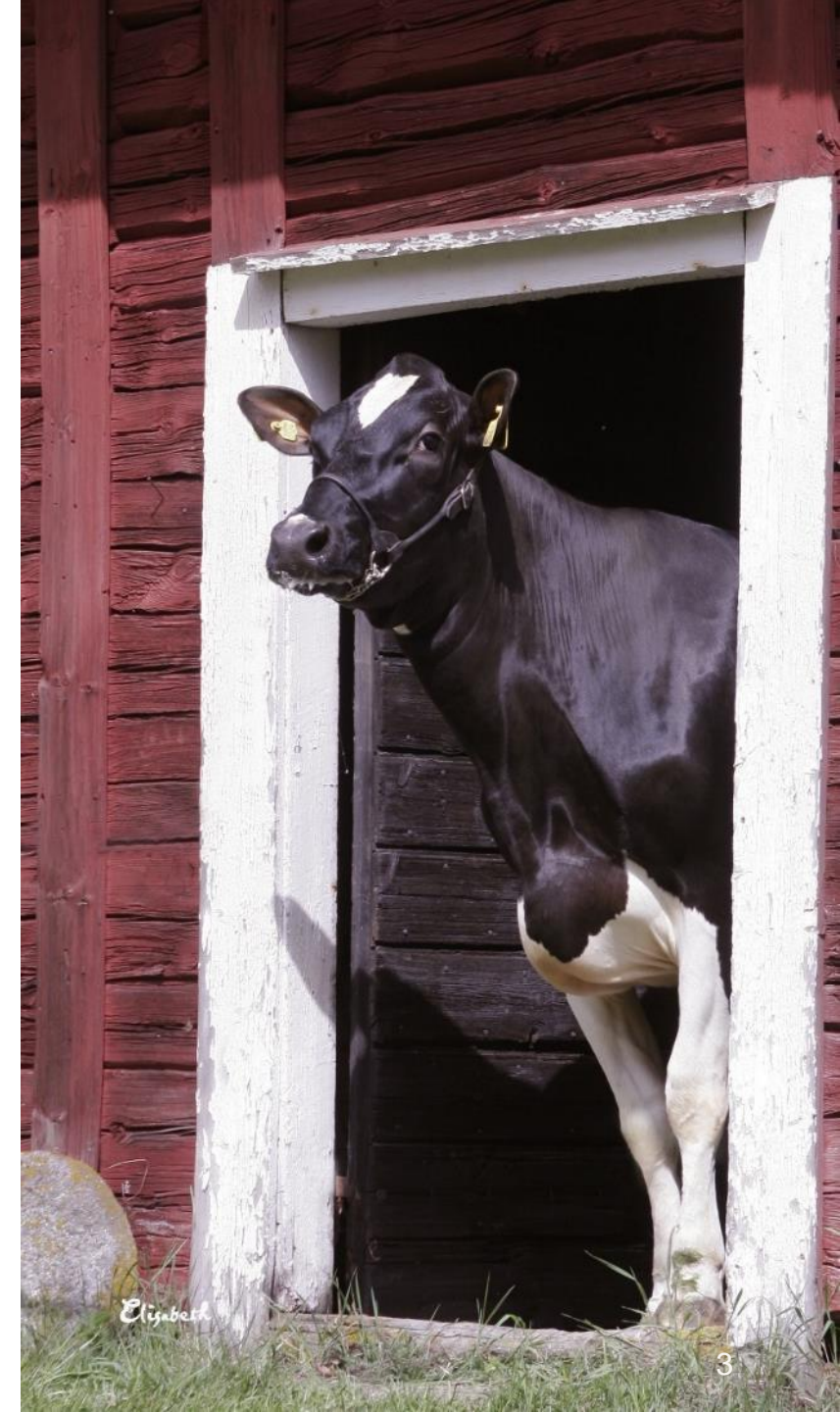


SWE
FIN
DEN

What drives longevity?

Trait	Correlation %
NTM	63
Udder health	47
General health	42
Daughter fertility	39
Udder	35
Hoof health	30
Youngstock survival	20
Feet & legs	20
Production	1
Frame	-19

Source: NAV 2019. Figures from Holstein bulls born 2016, 2017 or 2018.





NTM
works in real life

VikingRed

The most profitable red cow
in the world



PROCROSS

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Gives you **fewer management costs** and more time to focus on **optimising your business**

Makes your dairy business **climate-friendly, sustainable** and **profitable**



Naturally healthy

Excellent health, fertility and calving ease



High producing

Highest production of milk and solids



Trouble-free


Resilient, long-lasting cows




Ideal for crossing

Boosts health, fertility and efficiency in crossbreds

VikingRed

 Finland – 90,000 VR cows

 Sweden – 84,000 VR cows

 Denmark – 30,000 VR cows

S W E
F I N
D E N

VikingRed – Champions in Production

VikingRed 2020

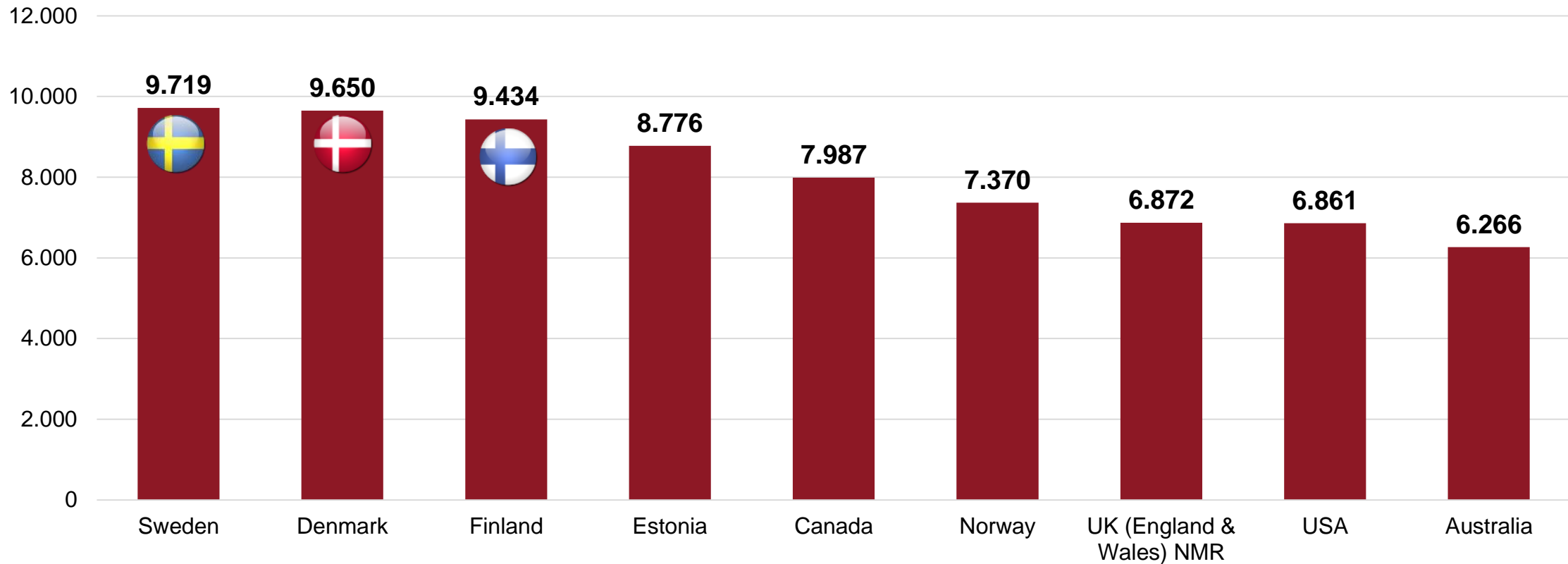
No. cows	204,000 (DNK, SWE, FIN)
Milk (305 days)	9,627 kg / 10,121 kg ECM
Fat kg	419 kg
Fat %	4.35 %
Protein kg	338 kg
Protein %	3.51 %
Fat + Protein kg	757 kg

NAV January 2020



Milk yield per cow, 305 days – Red Dairy Cattle

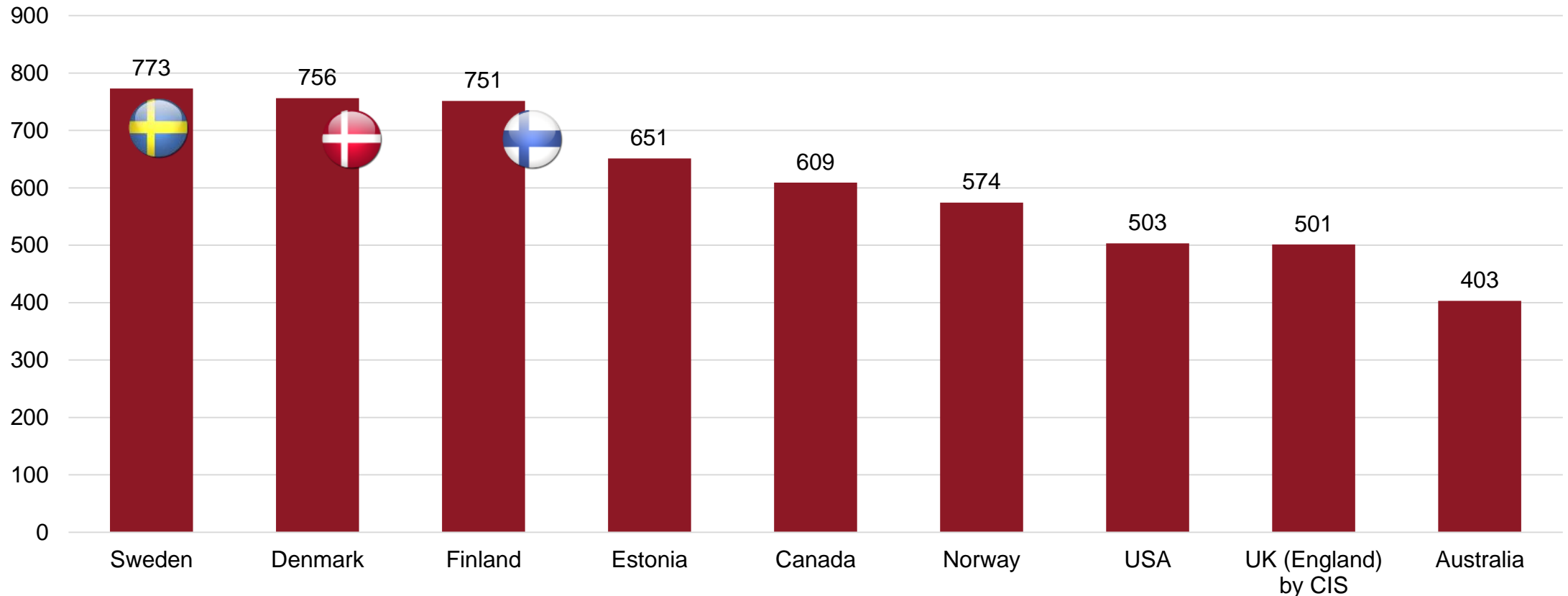
305 days, RDC, all registered cows



Source: ICAR (2018), NAV (DK, SE, FIN) & Australian National Herd Recording Statistics (2017)

Kg fat + protein 305 days - RDC

305 days Fat + Protein kg - RDC



Source: ICAR (2018), NAV (DK, SE, FIN) 2019 & Australian National Herd Recording Statistics (2017)

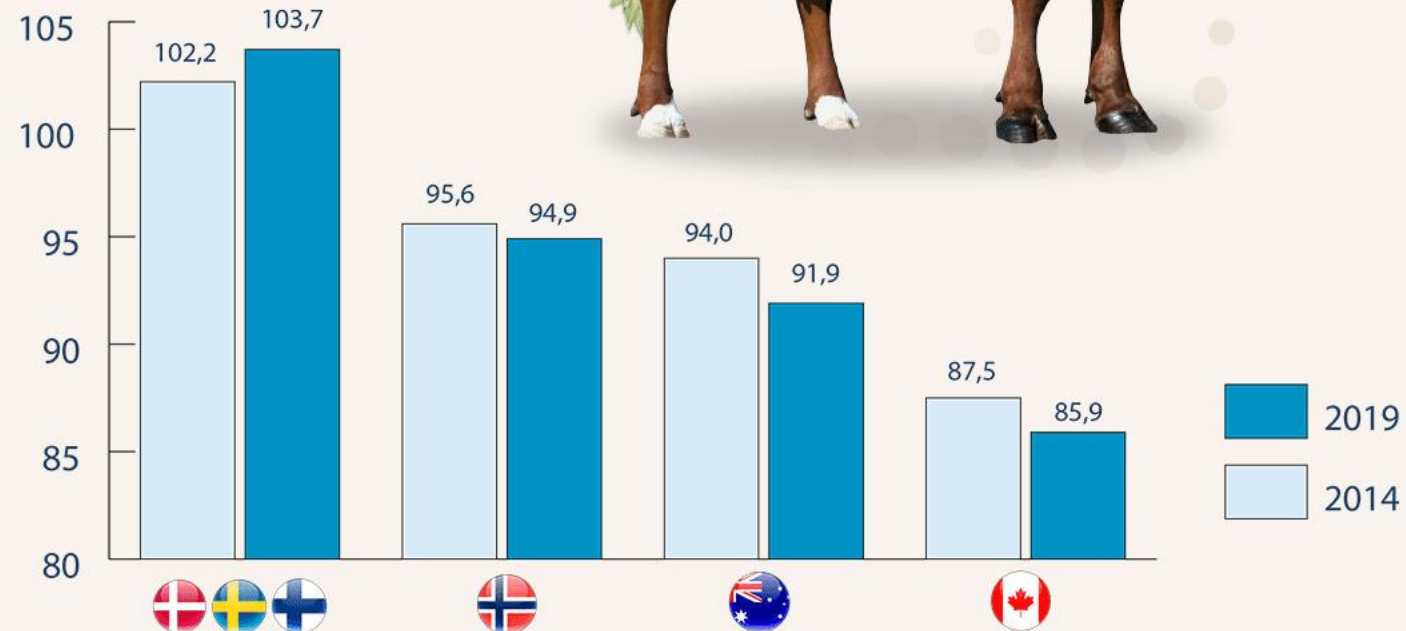
Superior production

- VikingRed has the **highest** genetic level in the **production** index.
- What's more, VikingRed **is the only** RDC population that has shown **a positive development** in genetic level for production in the period from 2014 to 2019.

Source: Interbull 2014 & 2019

VikingRed

production king
of the Reds












VikingRed

#1 around the world for red breeds






Interbull ranking - RDC

	Production index 	Fat index 	Protein index 
	104	103	103
	95	94	95
	87	91	86
	93	95	92

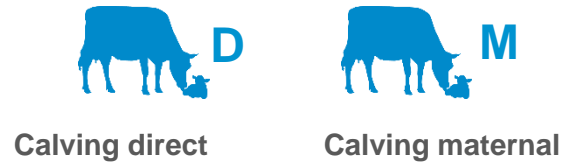
- The Nordic countries at the top of the list when it comes to total production
- Bulls from VikingRed are superior in production of both fat and protein




Interbull ranking - RDC

- VikingGenetics is by far the best for udder health
- VikingRed cows have outstanding udder health with only 7% of clinical mastitis in average in the first 3 lactations.
- VikingRed combines the best udder health with the best production and milking speed
- Denmark, Sweden and Finland are at the top of the Interbull list when it comes to longevity.
- With the average genetic level for Longevity equal to 100, the Nordic countries are far ahead of other countries.

	 Udder health	 Longevity
	101	102
	95	91
	N/A	90

Interbull ranking - RDC



	Calving direct	Calving maternal
	101	101
	99	88
	95	97

- VikingGenetics bulls are the top performers in both Calving Direct and Calving Maternal
- Especially, for Calving Maternal Denmark, Sweden and Finland are superior with the average genetic level for Calving maternal equal to 101

Interbull ranking - RDC



Frame



Feet & Legs



Udder



99

100

102



101

98

86



100

103

107

- VikingGenetics have for many years been breeding for good functional types
- Canada have been very focused on type traits
- VikingRed give good production udders that can handle the high production.

Interbull ranking - RDC


 Milking speed


 Temperament

101
100

96
96

92
93

- VikingGenetics bulls are easy to work with
- VikingRed have a good milking speed and is at the top for udder health at the same time.
- VikingRed cows are curious with a good temperament

Interbull ranking - RDC



5.7



-8.2



-14.1

- VikingGenetics bulls are superior on NTM
- With 4 NTM units in genetic progress per year VikingRed is 3.5 year in front of Norway and 5 years in front of Canada



Thank you!