



THE GLOBAL STANDARD
FOR LIVESTOCK DATA

Network. Guidelines. Certification.



Overview: data collection for beef on dairy

Wednesday 22 May 2024

Joint ICAR – Interbull Session

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Interbull Steering Committee Chair

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OFFICIAL

6 countries
100+ interviewees



Beef from dairy: a dairy origin animal entering the beef supply chain



Beef from dairy: a dairy origin animal entering the beef supply chain



Win-win-win?



Sustainable pathway
for all calves
Higher value calves



New markets for beef
genetics



Lower carbon footprint
Year-round supply

Image courtesy of Summit Livestock

Image courtesy of Agriculture Victoria

Data for a global snapshot?

Fragmented....



1 year $\neq$ 1 year

Data for a global snapshot?



Figure. Trends in semen usage in dairy herds around the world using semen sales data

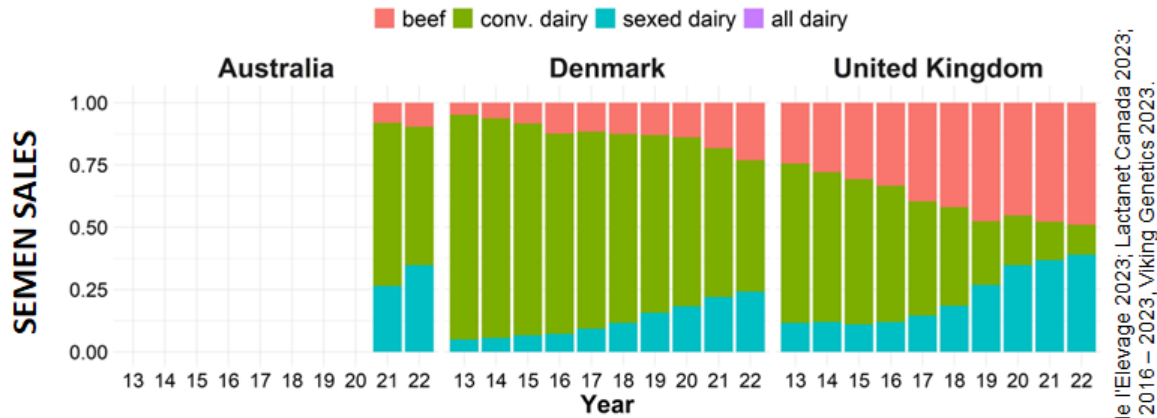


Figure. Trends in semen usage in dairy herds around the world using semen sales and insemination data.

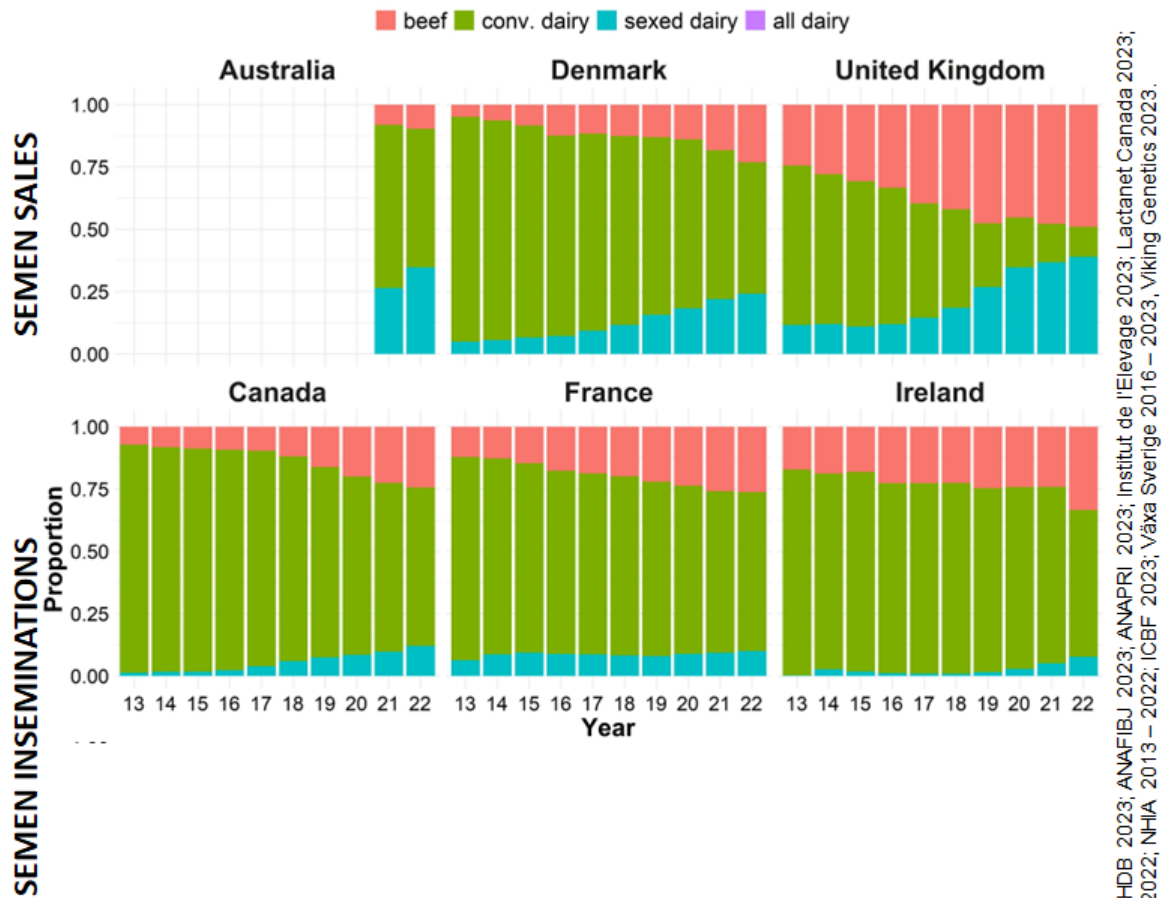
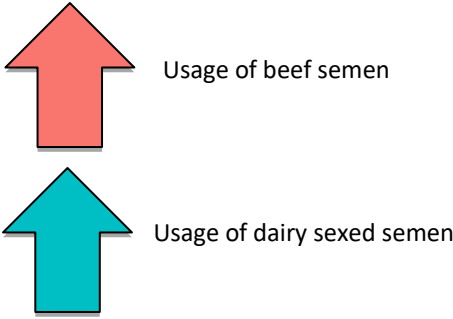
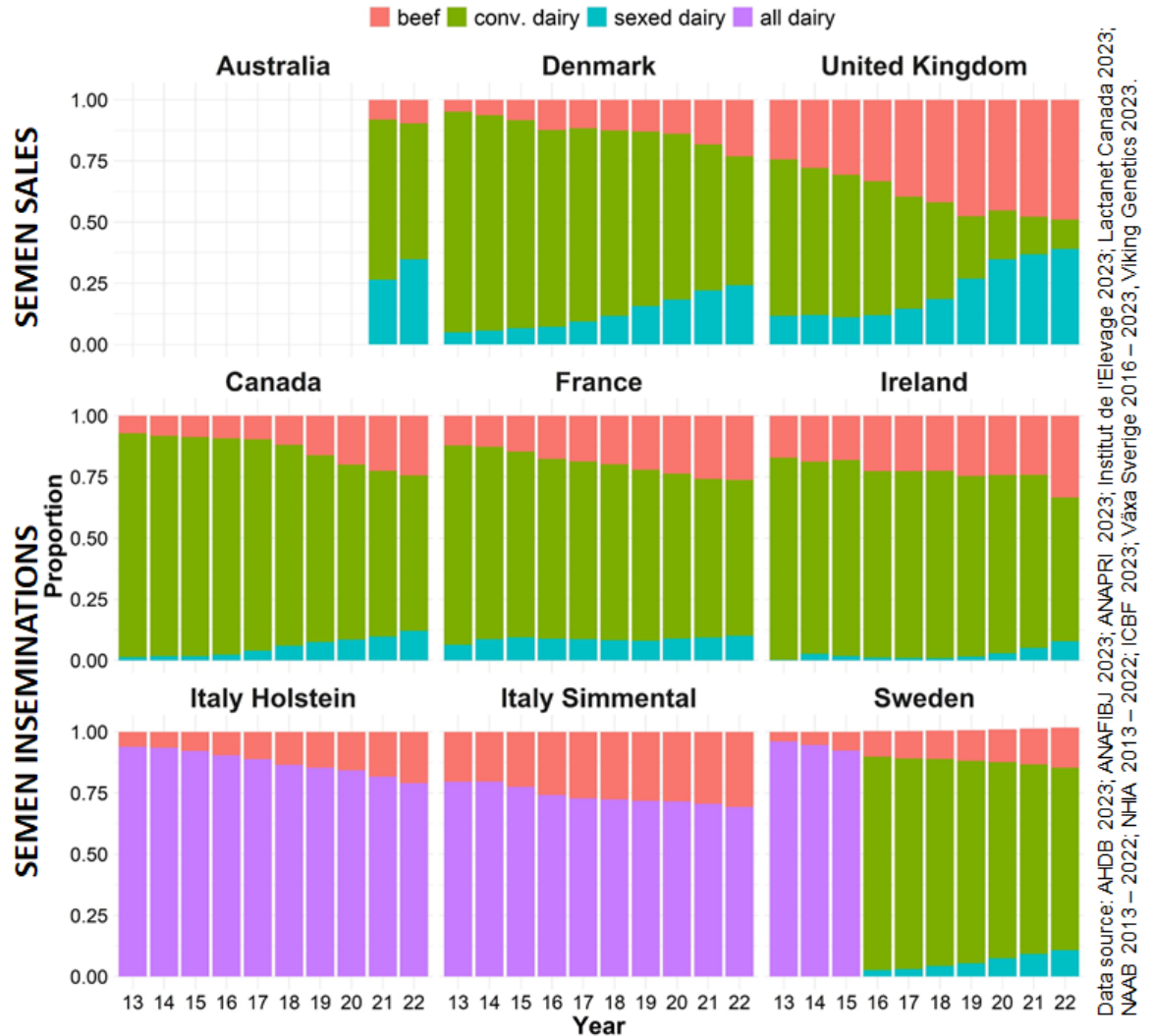


Figure. Trends in semen usage in dairy herds around the world using semen sales and insemination data.

Where a breakdown of conventional and sexed dairy semen usage is not available a combined value is shown (all dairy).



Adoption rate varies across countries



beef all dairy

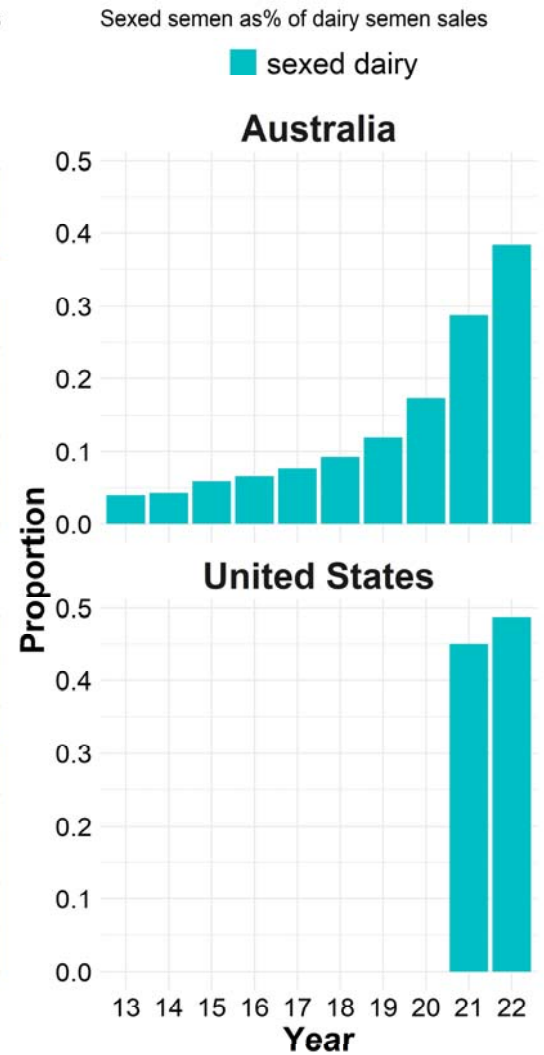
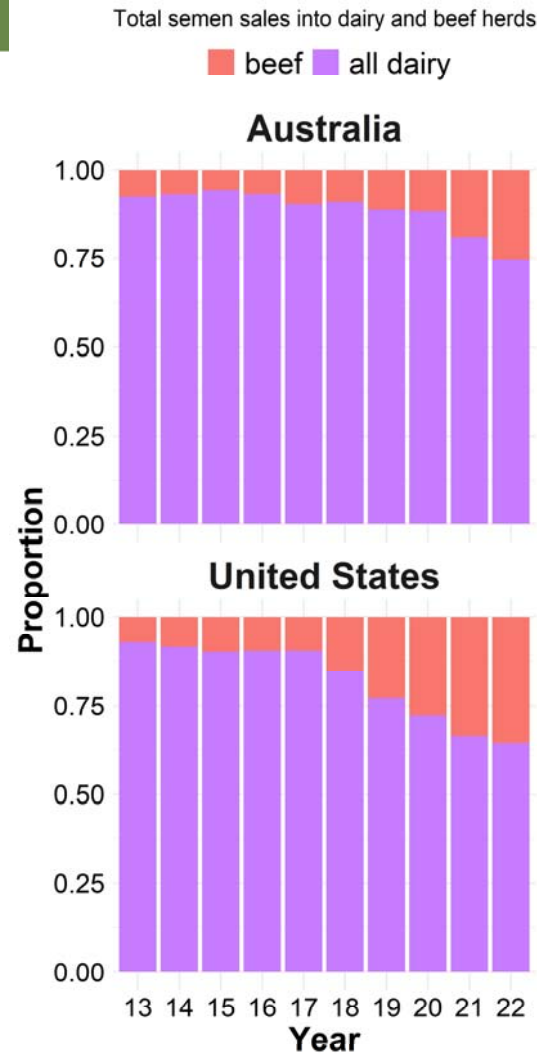
Figure. Total semen sales into both dairy and beef herds

Data source: NHIA 2014 – 2023, NAAB 2014 – 2023



Figure. Total semen sales into both dairy and beef herds and sexed dairy semen sales as a proportion of dairy semen sales.

Data source: NHIA 2014 – 2023, NAAB 2014 – 2023



Key findings & recommendations delivered in 2023.

Watch the replay:



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Successful beef on dairy integration



“Wicked
problem”

- Multifaceted
- Collaboration across industries
- Collaboration across disciplines



Successful beef on dairy integration



“Wicked
problem”



Genetics one of
the pieces

- Identify bulls whose progeny will perform in the beef supply chain
- Support mating decisions on-farm
- Informed calf purchasing
- Improve profitability of beef from dairy

Successful beef on dairy integration



“Wicked”
problem



Genetics one of
the pieces



Data a key barrier

Successful beef on dairy integration



Data a key barrier

- Few combined beef & dairy databases
- Calving traits for beef on dairy
- Dairy-beef progeny performance
 - carcass traits
 - efficiency traits

Monitor trends:

semen usage, genetic trends...

Validation:

understand how existing (genetic) tools perform

Develop:

New tools for local markets

**Prioritise establishing data collection pipelines
& collecting data on dairy-beef progeny**

Thank-you



BWYPEX Hosts:

- University of California Davis
- Interbull Centre
- ANAFIBJ
- ANAPRI
- AHDB
- ICBF

Interviewees



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ICAR would like to acknowledge the 11 Members who help fund the inaugural Brian Wickham Young Persons Exchange Program



+
New Zealand Animal Evaluation
Limited (NZAEI);
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DairyNZ



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