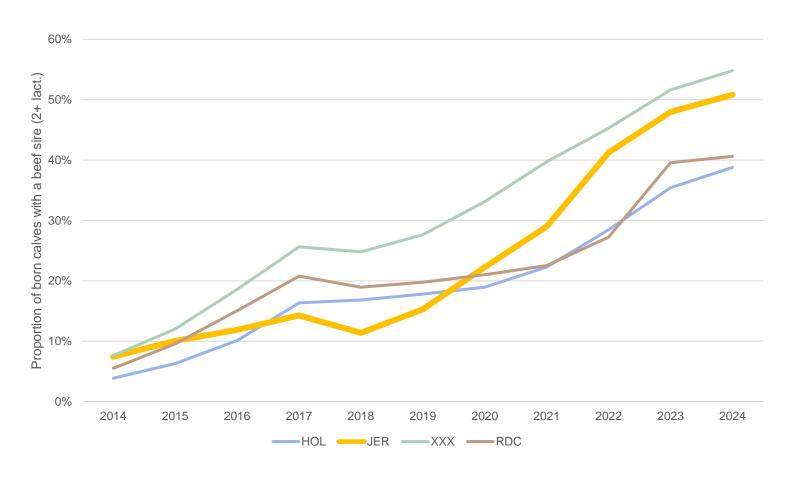


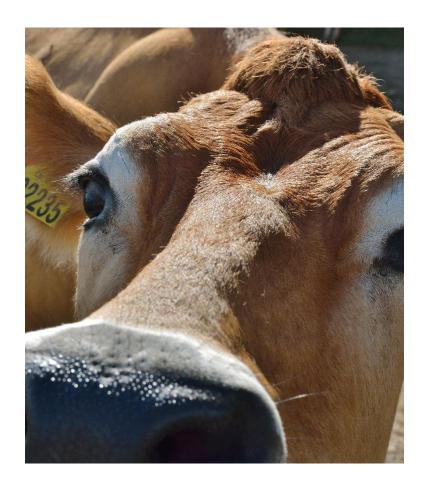
Development in the Beef on Dairy segment



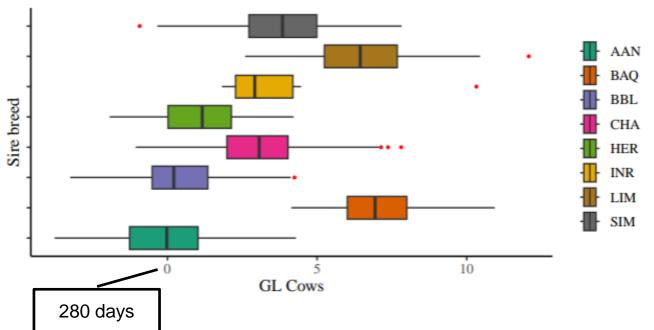




Gestation length (GL)

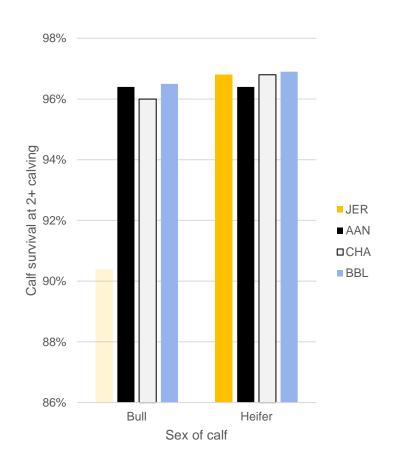


- Statistics have shown GL is close to avg. of sire and dam breed.
 - Mostly calf's own genetics (direct effect) is deciding GL.
 - However large difference between beef breeds





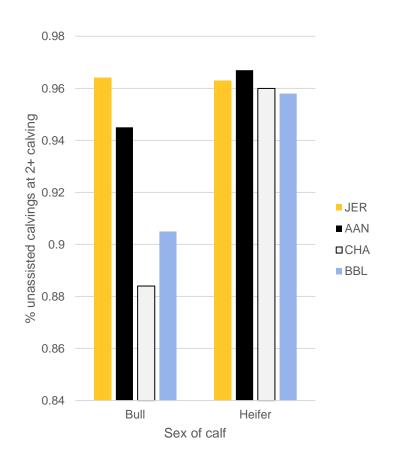
Calf survival (CS) at birth



- CS at birth is shown for the last 3 years for singleton births for JER cows at 2nd or later calving.
 - CS in general slightly higher for heifer than bull calves.
 - Small differences among sire breeds.
- CS for JER bull calves is unrealistic low
- Note that herd and sire breed is often confounded so herd effects might affect results.



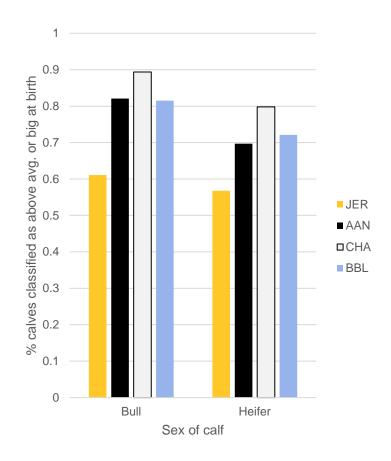
Calving ease (CE)



- CE is shown as unassisted calvings for the last 3 years for singleton births for JER cows at 2nd or later calving.
 - Most calvings after JER sires are unassisted.
 - If calf is a heifer CE is similar for BEEF cross to pure JER.
 - Slightly more assistance needed for bull BEEF cross.
 - Especially true for BBL and CHA but 9 out of 10 is still unassisted.
- Including easy calvings with slight assistance all categories are 96-99% easy calvings.



Calf size



- Calf size is shown as percent calves classified as above average or big at birth for the last 3 years for singleton births for JER cows at 2nd or later calving.
 - JER calves are smaller than BEEF cross calves.
 - Bull calves are bigger at birth than heifer calves.
- Only looking at calves defined as big BBL and CHA is more alike.
 - ~30% bull calves defined as big for CHA+BBL.
 - ~20% heifer calves defined as big CHA+BBL.
 - ~23% bull calves defined as big for AAN.
 - ~14% heifer calves defined as big CHA+BBL.



How does this then affect the cow? Effect on survival until 50 DIM

	·				
	2nd lact, bull	2nd lact, heifer	3rd lact, bull	3rd lact, heifer	
BEEF	98.5	98.4	96.2	96.3	
JER	98.7	98.7	96.9	96.9	

- 8,400 calvings in 2023.
 - Little but consistenly advance for JER comapred to BEEF.
 - Higher survival for 2nd versus 3rd lactation.
 - No effect of sex.
- NTM is higher for cows having a JER calf (+3 +4 NTM units)
 - Perhaps also selcted on pehnotypic data (poor start of previus lactation etc.)



Effect on yield previous lactation

- Back in 2012 we made some of the first trials with BEEF on DAIRY in recent times.
 - Yield in lactation where cow is pregnant with BEEF-X fetus were lower <u>before</u> insemination
 → selected group of cows.
 - Corrected for early lactation yield, no effect was seen on yield traits
- Most of fetus weight gain is in the 2 last months of gestation (~60%).
 - Cow is dry when fetus grow the most.
 - Need for differentiated dry cow management?



Effect on yield next lactation (2023 data)



Sex of calf	Lact.	Sire type	OBS	F+P	F+P prev	diff F+P
Bull		BEEF	1015	777		
Bull	2	JER	162	781	671	110
Bull	3	BEEF	1247	806	792	15
Bull	3	JER	120	820	809	11
Heifer	2	BEEF	329	739	643	96
Heifer	2	JER	3229	789	682	107
Heifer	3	BEEF	405	777	775	2
Heifer	3	JER	1866	822	817	5

Remember! Genetic level is higher for cows having a JER calf than a BEEF calf.

SEGES INNOVATION

And there might even be some selection on other parameters.

Thank you for your attention!



Questions?

