

Intro to Beef x Dairy strategies

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What do you do with the 60-70% of your dairy cows that won't be used for the next generation?



How do you avoid breeding too many low-value heifers and small bull calves that are unattractive for a beef producer?

The use of beef genetics on dairy cows is growing rapidly around the world.

Modern breeding strategies implemented



Genomic test

of all heifers in the herd

- To have more reliable breeding values/better selection tools



Sexed semen

for top 30-50%

- Will be enough for replacement
- **Will increase genetic trend for preferred traits**

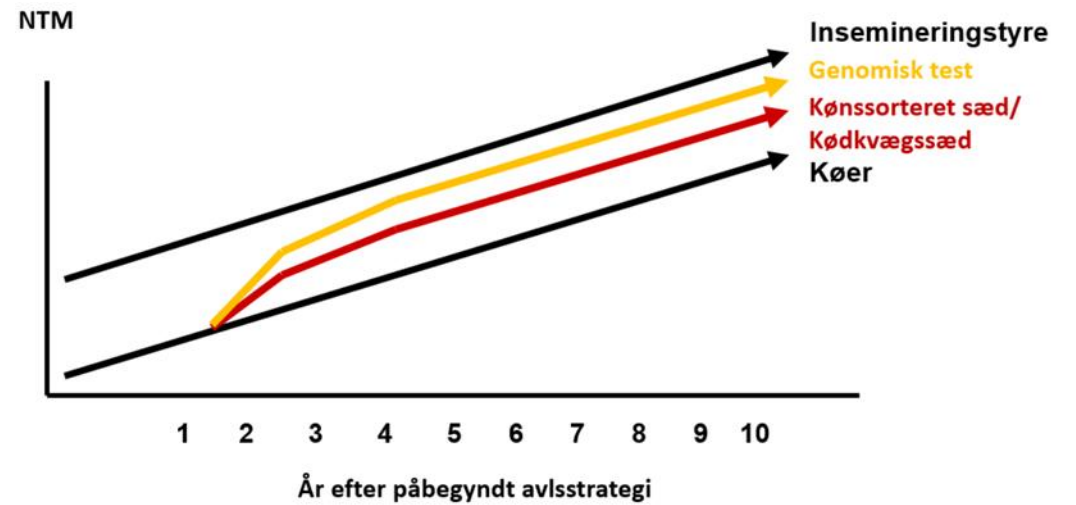
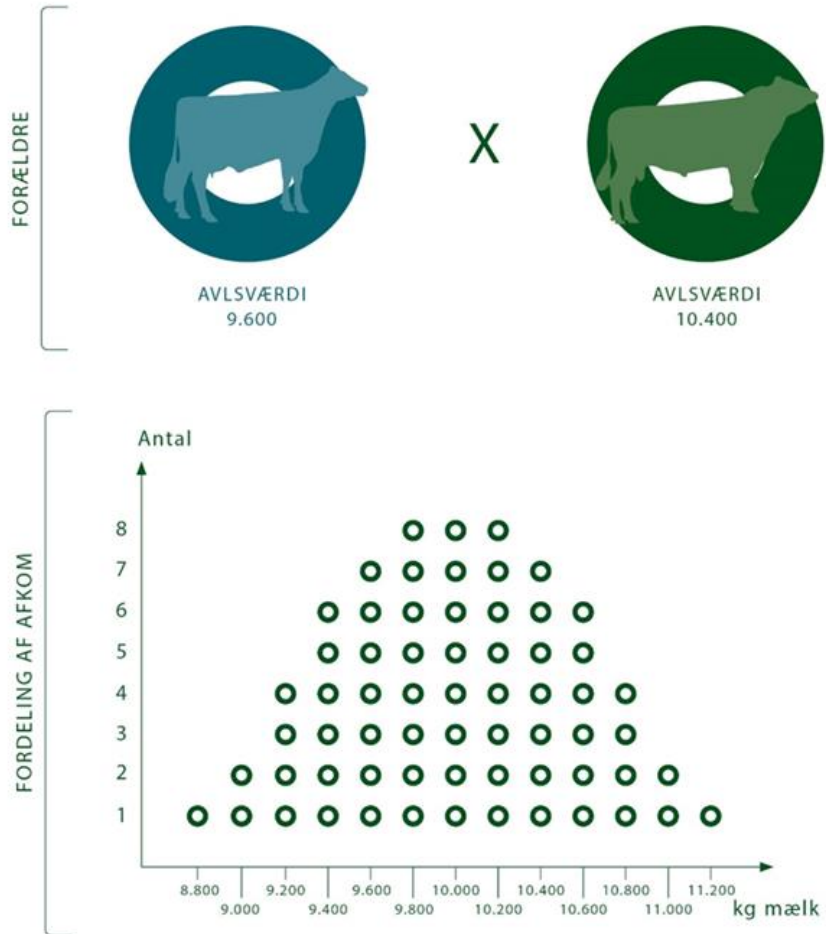


Beef semen

for bottom 50-70%

- The majority to be male sexed semen

Genomic selection - Mendel



Effects of Sexed semen & Beef strategies

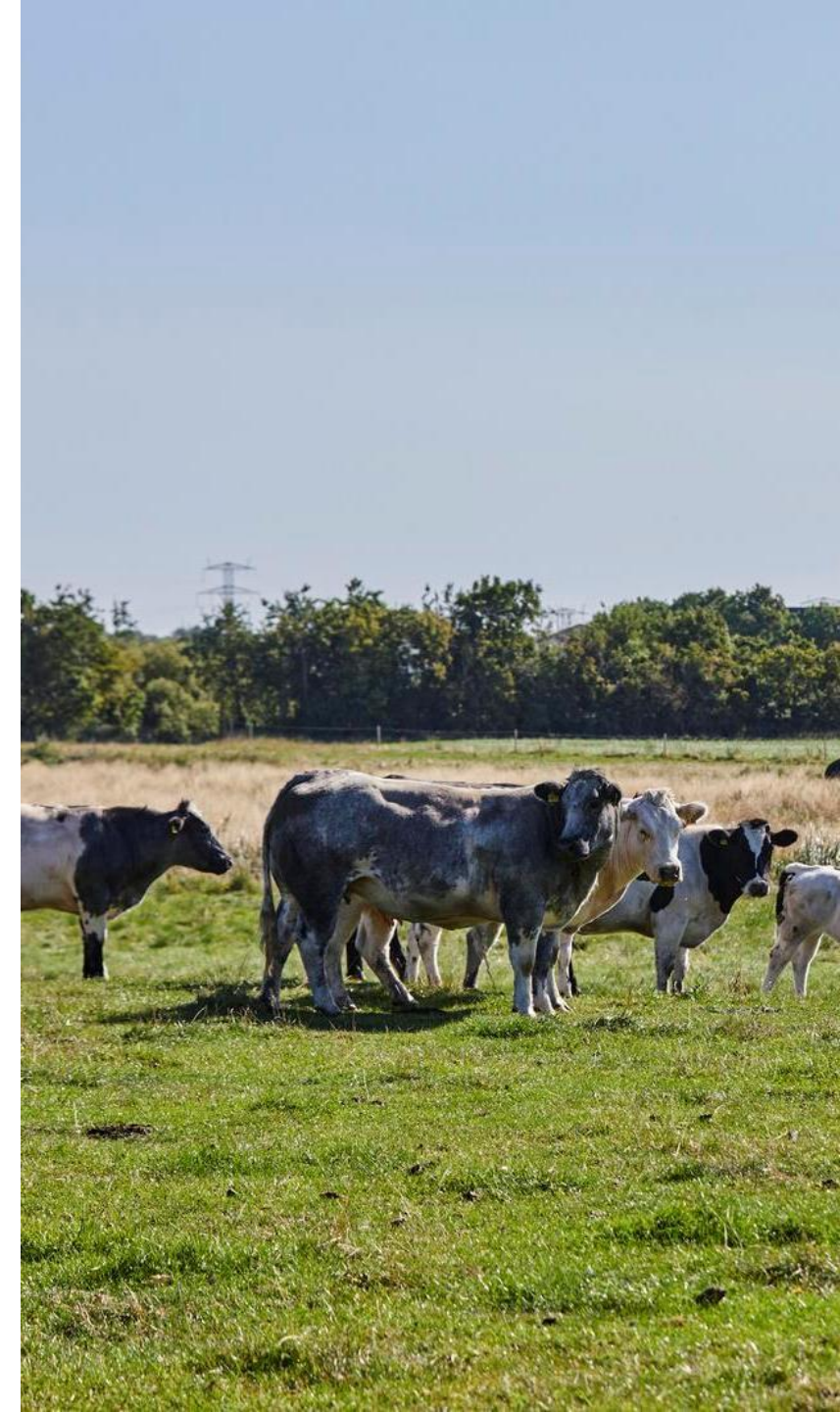
- Less dairy heifers
 - Less females to breed & feed = less resources and less emission
- Less purebred bull calves born
 - Replaced with Beef x Dairy bull calves
 - Grow faster = less feed & less emission per kg meat produced
 - Replace imported beef (from South America) = Less emission (faster growing, less land required and very little transportation)
- Higher genetic progress
 - Next generation of females from top 30-50% in the herd
 - Increase the genetic trend for preferred traits, like production and sustainability traits (Fertility, Health, Longevity, Feed efficiency, GHG emission, etc.)





Profit from every cow

- VikingBeef bulls are specifically bred for the beef-on-dairy segment, where **easy calvings** are the number one priority.
- VikingBeef sires give higher profitability to dairy herds delivering calves with **higher growth rates** and **better meat quality**.
- Get bigger, healthier calves with a higher carcass value, easy calvings, and reduced climate impact, all at the same time, with VikingBeef.



Beef Inseminations

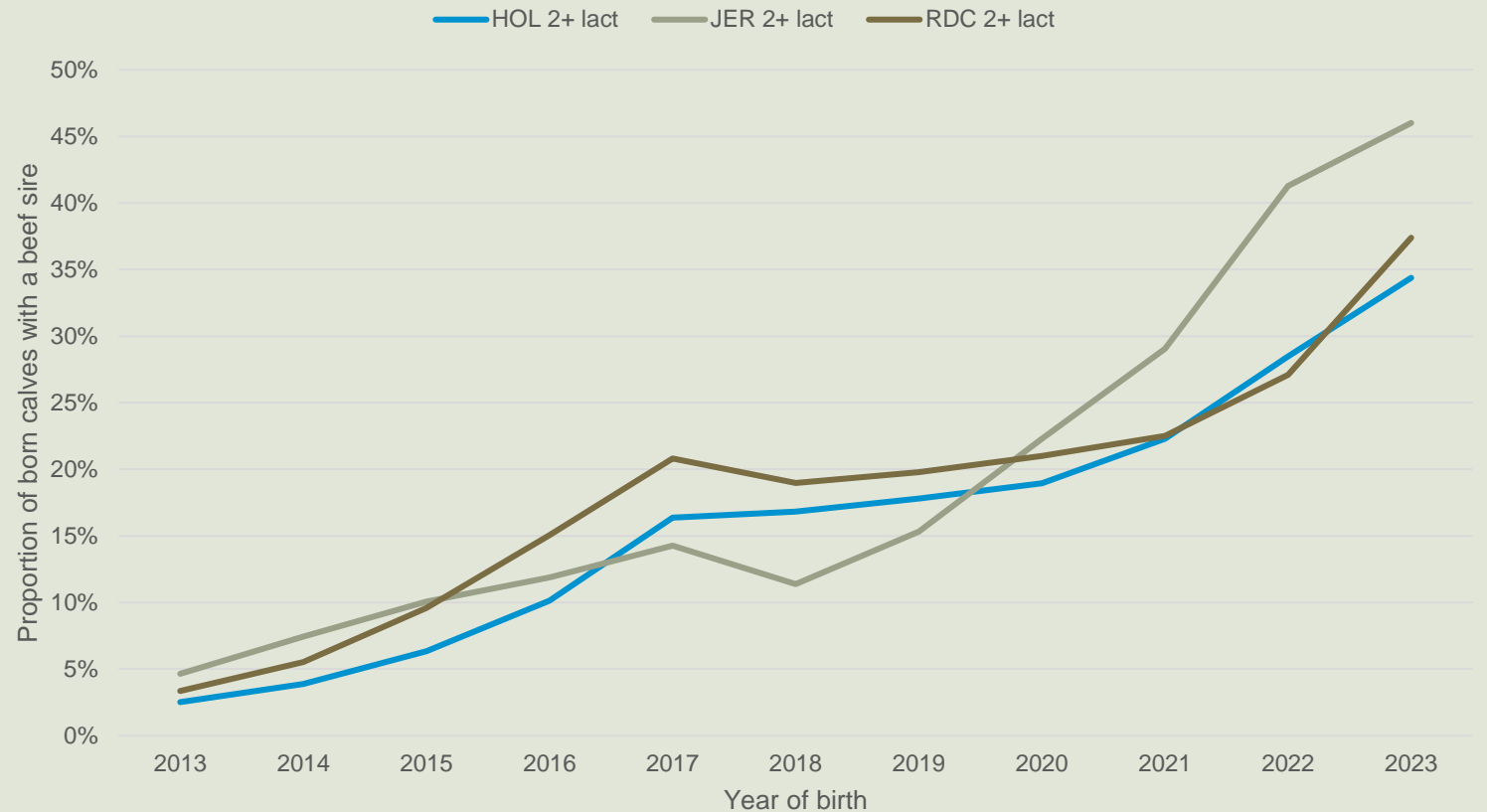
2022	Danish blue	Charolais	Angus	Hereford	Blonde	Simmental	Limousine
Purebreed ins.	239	568	522	798	239	1.733	1.526
Dairy ins.	276.531	36.214	68.191	3.389	4.999	4.073	2.782

2023 30. sept.	Danish blue	Charolais	Angus	Hereford	Blonde	Simmental	Limousine
Purebreed ins.	133	508	495	638	184	1.349	1.216
Dairy ins.	242.089	28.794	63.899	2622	2954	2.823	1.493



VB Chaplin

Born beefcalves over time



Herd Visit

Jacob Nielsen

- Mating plan:
- X-vik Jersey all heifers and 20 % best cows
- Y-vik 80 % of the cows get beef (Danish Blue)

DMS INSEMINERINGSPLAN - TYREFORSLAG

LANDBRUG JACOB NIELSEN . Vestterpvej 18 . 7200 Grindsted



CVR: 22001892

46607-07693	10	111	VJ Superb	08.03.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07694	5	99	VJ Ribe	05.03.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07695	16	115	VJ Gong	24.02.2024	ks k	VJ Swift P *	ks k	VJ Harder *	ks k	VJ Gabon *
46607-07698	12	102	VJ Superb	19.03.2024	ks k	VJ Sedum	ks k	VJ Lynx	ks k	VJ Swift P *
46607-07701	6	99	VJ Hamulus	02.03.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Rolf
46607-07703	3	97	VJ Jojo	27.02.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07710	0	96	VJ Gong	10.03.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07713	12	107	VJ Hamulus	18.04.2024	ks k	VJ Sedum	ks k	VJ Swan	ks k	VJ Domea P
46607-07722	4	99	VJ Highlan	23.03.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07729	13	106	VJ Highlan	12.03.2024	ks k	VJ Swift P	ks k	VJ Gabon *	ks k	VJ Harder *
46607-07732	4	90	VJ Gong	18.03.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07737	11	103	VJ Highlan	16.04.2024	ks k	VJ Dalin	ks k	VJ Juke	ks k	VJ Swift P
46607-07740	11	108	VJ Ribe	06.06.2024	ks k	VJ Sedum	ks k	VJ Leander	ks k	VJ Juke
46607-07743	13	103	VJ Highlan	22.05.2024	ks k	VJ Swan	ks k	VJ Lynx	ks k	VJ Juke
46607-07746	1	117	VJ Hamulus	26.03.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07749	6	111	VJ Ribe	23.03.2024	ks t	VB Rikko	ks t	VB Stare	ks t	VB Rolf
46607-07755	10	104	VJ Higg	22.03.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07756	4	109	VJ Giga	26.03.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07757	14	101	VJ Superb	29.04.2024	ks k	VJ Swan	ks k	VJ Gabon	ks k	VJ Leander
46607-07758	13	107	VJ Gong	19.04.2024	ks k	VJ Juke *	ks k	VJ Leander *	ks k	VJ Domea P *
46607-07759	15	109	VJ Gong	07.05.2024	ks k	VJ Swift P	ks k	VJ Juke	ks k	VJ Gabon *
46607-07766	5	107	VJ Ribe	31.03.2024	ks t	VB Rikko	ks t	VB Stare	ks t	VB Rolf
46607-07772	11	109	VJ Highlan	26.05.2024	ks k	VJ Delaney	ks k	VJ Juke	ks k	VJ Domea P
46607-07773	8	109	VJ Ribe	04.04.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07777	1	95	VJ Bernal	04.04.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07780	9	117	VJ Glyck	22.04.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07784	5	98	VJ Superb	09.04.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07790	-3	93	VJ Haiko	09.05.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Picasso
46607-07798	2	100	VJ Laster	20.05.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07805	11	112	VJ Happens	06.06.2024	ks k	VJ Sedum	ks k	VJ Gabon *	ks k	VJ Juke *
46607-07809	11	108	VJ Happens	28.05.2024	ks k	VJ Juke	ks k	VJ Swift P *	ks k	VJ Gabon *
46607-07810	15	108	VJ Hauga	29.04.2024	ks k	VJ Leander *	ks k	VJ Lynx *	ks k	VJ Juke *
46607-07811	15	109	VJ Gong	17.04.2024	ks k	VJ Swift P	ks k	VJ Leander *	ks k	VJ Gabon *
46607-07813	3	91	VJ Highlan	06.05.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07816	14	112	VJ Happens	04.06.2024	ks k	VJ Lynx	ks k	VJ Juke	ks k	VJ Gabon *
46607-07822	10	102	VJ Happens	30.04.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07823	19	111	VJ Luxury	20.05.2024	ks k	VJ Dalin	ks k	VJ Sedum	ks k	VJ Gabon *
46607-07828	9	104	VJ Henk	16.05.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare

DMS

Mating plan

- Follow strategy to reach your goal
- "Working tool"
- Easy everyday
- Overview
- Digital

46607-07030	7	98	VJ Nibiru	13.05.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07036	15	105	VJ Laster	25.03.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07044	7	105	VJ Honda	20.03.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07045	0	92	VJ Laster	01.05.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Picasso
46607-07052	6	93	VJ Google	17.04.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Rolf
46607-07056	-2	91	VJ Laster	03.04.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Picasso
46607-07057	15	112	VJ Google	27.04.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07058	8	117	VJ Steno	02.06.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07059	-6	100	VJ Lando	20.04.2024	ks t	VB Royal	ks t	VB Stare	ks t	VB Picasso
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46607-07061	6	102	VJ Honda	12.04.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Rolf
46607-07063	0	94	VJ Nibiru	07.05.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Picasso
46607-07064	-4	90	VJ Nibiru	08.05.2024	ks t	VB Royal	ks t	VB Stare	ks t	VB Picasso
46607-07071	6	92	VJ Laster	24.04.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Rolf
46607-07081	9	104	VJ Nibiru	08.05.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07083	11	98	VJ Nibiru	06.06.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07084	17	119	VJ Ludo	23.05.2024	ks k	VJ Dalin	ks k	VJ Sedum	ks k	VJ Swan *
46607-07088	3	104	VJ Laster	15.04.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07095	11	118	VJ Steno	02.06.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07104	18	112	VJ Bernal	06.05.2024	ks k	VJ Dalin	ks k	VJ Juke	ks k	VJ Domea P *
46607-07106	13	111	VJ Ludo	02.06.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07108	6	106	VJ Hamulus	03.05.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Rolf
46607-07124	9	112	VJ Chief	27.05.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07126	13	104	VJ Laster	14.05.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07129	4	93	VJ Lando	10.06.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07132	7	90	VJ Google	25.05.2024	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07138	4	103	VJ Haiko	27.05.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07147	12	110	VJ Google	29.09.2023	ks k	VJ Sedum	ks k	VJ Harder *	ks k	VJ Domea P *
46607-07217	3	97	VJ Haiko	28.10.2023	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07260	5	108	VJ Last	11.09.2023	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07273	-6	83	VJ Hirts	21.08.2023	ks t	VB Royal	ks t	VB Stare	ks t	VB Picasso
46607-07281	-2	86	VJ Google	13.11.2023	ks t	VB Royal	ks t	VB Rold	ks t	VB Picasso
46607-07305	-6	92	VJ Laster	18.09.2023	ks t	VB Royal	ks t	VB Stare	ks t	VB Picasso
46607-07308	6	106	VJ Highlan	05.09.2023	ks t	VB Royal	ks t	VB Rikko	ks t	VB Rolf
46607-07352	-2	96	VJ Leica	13.09.2023	ks t	VB Royal	ks t	VB Rold	ks t	VB Picasso
46607-07359	9	109	VJ Nibiru	27.08.2023	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07372	7	113	VJ Ludo	25.12.2023	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare



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CVR: 22001892

46607-07392	8	111	VJ Highlan	01.11.2023	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07403	16	107	VJ Jojo	01.11.2023	ks k	VJ Lynx	ks k	VJ Dalin	ks k	VJ Sedum
46607-07426	0	100	VJ Highlan	14.10.2023	ks t	VB Royal	ks t	VB Rold	ks t	VB Picasso
46607-07436	-3	105	VJ Bernal	04.01.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Picasso
46607-07454	9	114	VJ Wilder	04.11.2023	ks t	VB Royal	ks t	VB Rikko	ks t	VB Stare
46607-07459	-4	106	VJ Bernal	31.10.2023	ks t	VB Royal	ks t	VB Stare	ks t	VB Picasso
46607-07465	0	99	VJ Hamulus	28.03.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Picasso
46607-07466	5	106	VJ Haiko	30.12.2023	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07472	2	104	VJ Bernal	14.01.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07481	10	103	VJ Highlan	29.12.2023	ks k	VJ Danka	ks k	VJ Swift P	ks k	VJ Gabon *
46607-07483	11	110	VJ Haiko	19.11.2023	ks k	VJ Swift P *	ks k	VJ Harder *	ks k	VJ Gabon *
46607-07519	-1	107	VJ WaskivP	27.01.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Picasso
46607-07522	5	96	VJ Cozy	01.01.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07524	4	104	VJ Hamulus	04.02.2024	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf
46607-07534	4	96	VJ Laster	27.12.2023	ks t	VB Royal	ks t	VB Rold	ks t	VB Rolf

EXAMPLE

INSEMINERINGSPLAN > VIKING 46607

Insemineringsplan	Hundyrgrupper	Sædbeholder	Tyrevalg	Hundyrliste	Kombikryds
 Gem	 Ny  Rediger	 Rediger	 Vælg tyre	 Dyroplysninger	 Excel

GRUNDINDSTILLINGER	GRUPPERING AF HUNDYR
 HUNDYRGRUPPE	DYR I ALT KØER KVIER FILTER
 Primærgruppen	5 (1%) 5 (2%) 0 (0%)
 Viking højindeksdyr	14 (3%) 4 (1%) 10 (6%) Std. Viking højindeksdyr
 X-Vik	135 (27%) 0 (0%) 135 (75%) X-Vik kvier
 X-Vik køer	54 (11%) 54 (17%) 0 (0%) X-Vik køer
 BLK til køer	254 (51%) 254 (80%) 0 (0%) BLK til køer
 kvier X-vik over 3 ins budget	34 (7%) 0 (0%) 34 (19%) kvier x-vik budget

STRATEGY AND FILTER

X-Vik 134 (27%) 0 (0%) 134 (74%) X-Vik kvier

Indstillinger

Avlsmetode: Kønssorteret sæd: Antal ins.:

Race: Kører: Pct.: Anvend Tyrefædre: Konv KSS

Budgettyre: Kører % Kvier % Anvend Importtyre: Konv KSS

Anvendelse af DRH: Kun DRH Favorisér DRH Favorisér DRH og RC Ingen DRH Anvendelse af Polled: Kun Polled Favorisér Polled Anvendelse af A2A2: Kun A2A2 Favorisér A2A2 Anvendelse af Kappa Kasein: Kun BB Favorisér BB

Filter: 2ins alle kvier

Krav til avlsværdital

KRAV TIL AVLSVÆRDI TYRE	MIN.	FJERN	KRAV TIL TYRE (EKSTERIØR)	MIN.	MAKS	FJERN	KRAV TIL AVLSVÆRDI AFKOM	MIN.	FJERN	KRAV TIL AFKOM (EKSTERIØR)	MIN.	MAKS	FJERN
<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>		Yversundh.	<input type="text" value="97"/>	<input checked="" type="checkbox"/>	Yverbalance	<input type="text" value="95"/>	<input type="text" value="120"/>	<input checked="" type="checkbox"/>
							Klovsundh.	<input type="text" value="97"/>	<input checked="" type="checkbox"/>	Hasevinkel fra siden	<input type="text" value="85"/>	<input type="text" value="110"/>	<input checked="" type="checkbox"/>
							Frugtbh	<input type="text" value="100"/>	<input checked="" type="checkbox"/>	Klovhældning	<input type="text" value="96"/>	<input type="text"/>	<input checked="" type="checkbox"/>
							Lemmer	<input type="text" value="100"/>	<input checked="" type="checkbox"/>	Yverbånd	<input type="text" value="96"/>	<input type="text"/>	<input checked="" type="checkbox"/>
							Malkeorg.	<input type="text" value="103"/>	<input checked="" type="checkbox"/>	Brystbredde	<input type="text" value="98"/>	<input type="text"/>	<input checked="" type="checkbox"/>
							<input type="text"/>	<input type="text"/>		Foryvertilhæftning	<input type="text" value="100"/>	<input type="text"/>	<input checked="" type="checkbox"/>
										<input type="text"/>	<input type="text"/>	<input type="text"/>	

Prognosis to follow up

Parameter	Enhed	Jun24	Jul24	Aug24	Sep24	Okt24	Nov24	Dec24	Jan25	Feb25	Mar25	Apr25	Maj25
Kælvninger i alt *)	Stk.	56	66	72	66	64	86	82	66	59	98	72	64
Lev.fødte opdrætskvier	Stk.	33	29	27	27	21	29	34	24	17	32	21	20
Lev.fødte kvier kødkv.kryds	Stk.	1	3	3	4	5	6	6	5	4	8	9	9
Lev.fødte tyre malkerace	Stk.	2	4	3	2	2	2	4	2	2	6	6	7
Lev.fødte tyre kødkvægskryds	Stk.	17	28	36	29	34	45	35	31	34	48	32	26
Fødte opdrætskvier	Stk.	35	29	28	29	21	30	36	26	18	33	23	21
- heraf spild i alt	Stk.	7	6	6	7	4	7	7	6	4	7	5	4
Behov kvier **)	Stk.	21	21	21	21	21	21	21	21	21	21	21	21
Overskud af fødte ***)	Stk.	7	2	1	1	-4	2	8	-1	-7	5	-3	-4

Beregningsgrundlag og 12 måneders resultater

Antal køer, kælvninger, levendefødte kalve og salg levebrug:

Parameter	Enhed	Sidste	Næste	2025	2026	2027	2028
Antal køer, maks.	Stk.	779	785	785	785	785	785
Udsætterpct., min.	Pct.	32	32	32	32	32	32
Kælvninger i alt *)	Stk.	771	851	881	866	874	869
Lev.fødte opdrætskvier	Stk.	329	314	305	305	301	292
Lev.fødte kvier kødkv.kryds	Stk.	27	63	97	106	113	116
Lev.fødte tyre malkerace	Stk.	13	42	71	80	79	76
Lev.fødte tyre kødkvægskryds	Stk.	389	395	368	336	341	346
Salg levebrug, køer	Stk.						
Salg levebrug, opdrætskvier	Stk.	15					

Prognosis with results

Spild af fødte opdrætskvier:

Parameter	Enhed	Sidste	Næste	2025
Dødfødte	Pct.	5	5	5
Døde i opdrætsperioden	Pct.	10	10	10
Slagtet i opdrætsperioden	Pct.	9	9	9
Spild i alt af fødte kvier	Pct.	22	22	22

Overskud af fødte opdrætskvier:

Parameter	Enhed	Sidste	Næste	2025
Fødte opdrætskvier	Stk.	341	329	320
- heraf spild i alt	Stk.	73	70	69
Behov kvier **)	Stk.	251	252	251
Overskud af fødte kvier ***)	Stk.	17	7	

Conclusion

Use beef cattle in the lowest genetic group, you increase the genetic progress at the herd level.

Beef on dairy calves do not preclude selling heifers, you can produce both.

Mating plan and prognosis give you a good overview on your strategy

Costprice for beef on dairy calves gives value



Questions?