



# ABP Dairy Beef Breeding Event

## Corrin Mart

*6<sup>th</sup> Dec 2023*



An Roinn Talmhaíochta,  
Bia agus Mara  
Department of Agriculture,  
Food and the Marine

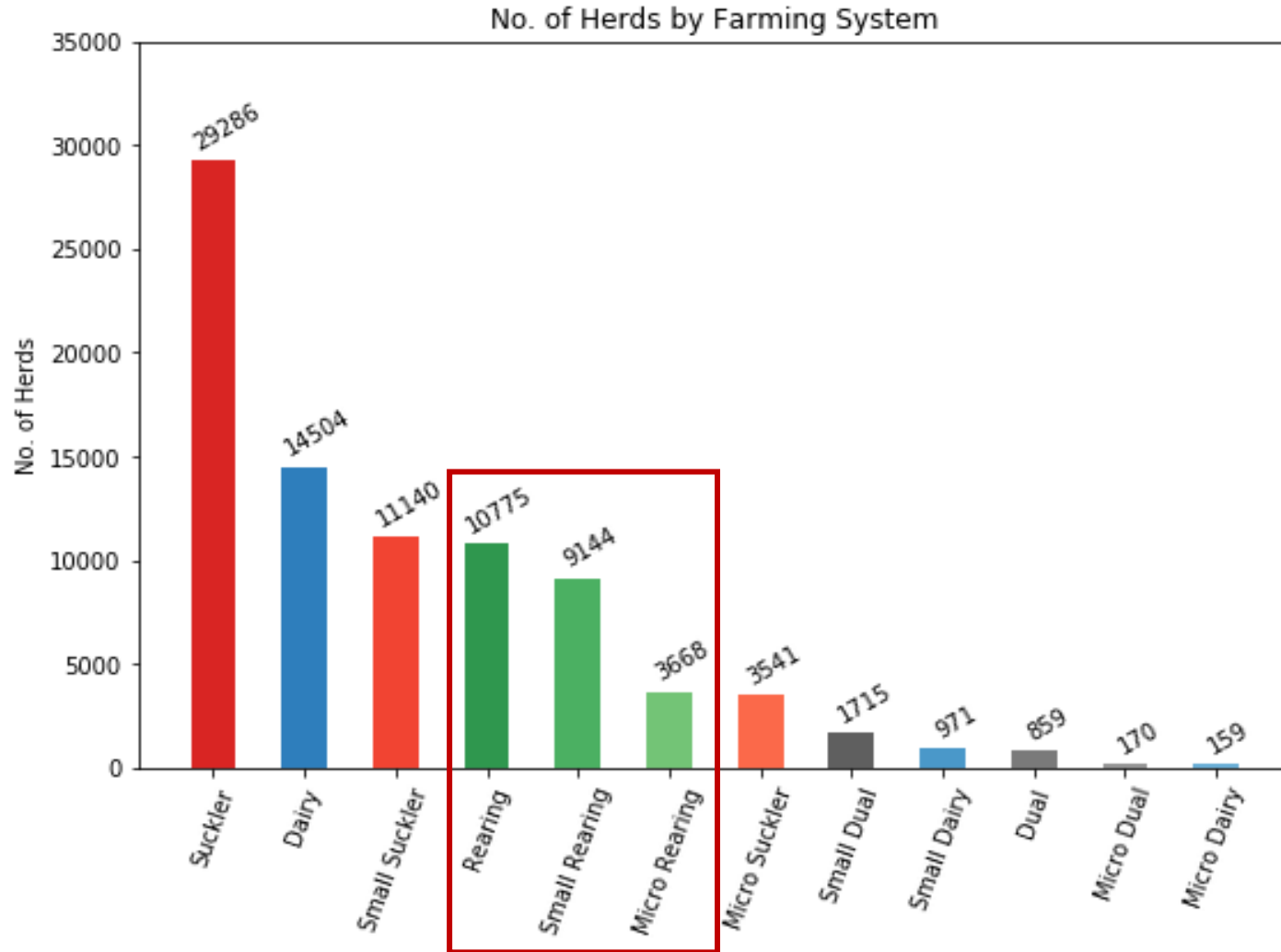


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# Commercial Beef Value (CBV)

## Background



- Significant number of rearing herds in Ireland (approx. 23k)
  - Non-breeding (drystock) beef herds
  - Purchasing animals to take through to slaughter or sell on live.



# Commercial Beef Value (CBV)

## Background

How can I tell the good from the bad?!?!



*Farmers need a tool which gives them an insight into the genetic merit of an animal to help them make more informed purchasing decisions*



I'm 25% JE and my daddy is a low carcass merit AA bull.

-€20  
★

€87  
★★★★★

I have 0% JE and my daddy is a high carcass merit HE bull.

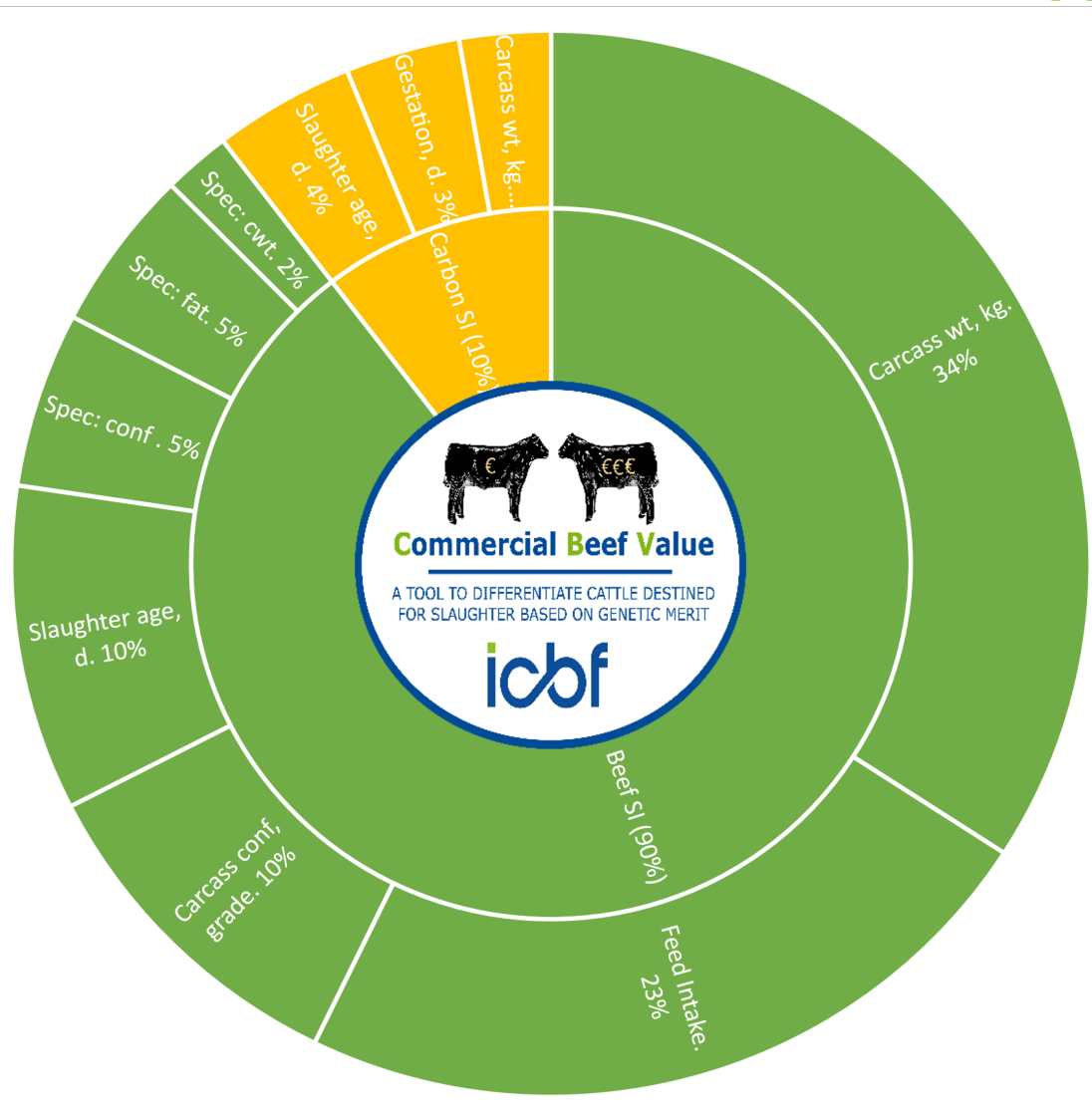


# Commercial Beef Value (CBV)

What is it?

## Jan 2023 updates

- Carbon cost (CO<sub>2</sub> E)
- % In Spec
- Age at Slaughter



- Terminal Index less the calving traits (calving diff, gestation and mortality).
- Carcass weight, conf and fat, feed intake and docility.



# Commercial Beef Value (CBV)

What animals will receive it?



**Commercial suckler males and uncalved females**



**Dairy males**



**Dairy x beef males and uncalved females**

- The following will not have a CBV available:
  - Pedigree beef males and females
  - Dairy females
  - Calved females



# Commercial Beef Value (CBV)

## Star Ratings & Breed Types


icbf	CBV Star-rating Percentiles*				
	★★	★★★	Average	★★★★	★★★★★
Across Breed	€23	€89	€134	€192	€261
Suckler	€199	€237	€251	€265	€293
Dairy x Beef	€52	€72	€82	€93	€125
Dairy X Dairy	-€19	-€4	€2	€8	€21
* Based on the Sep 2023 evaluation					

- 3 x breed types.
- More informative for farmers



# Commercial Beef Value (CBV)

## Breed Percentiles

 <b>2023 Born Dairy x Beef Calves</b> <i>(dairy dams mated to beef sires)</i>					
Sire Breed	★★	★★★	Average	★★★★	★★★★★
Angus	€53	€66	€72	€79	€98
Aubrac	€112	€126	€132	€139	€160
Blue	€122	€150	€160	€169	€187
Charolais	€139	€159	€167	€177	€200
Friesian	-€11	€2	€7	€12	€25
Hereford	€40	€54	€61	€69	€90
Limousin	€137	€152	€159	€168	€192
Simmental	€70	€87	€97	€108	€132

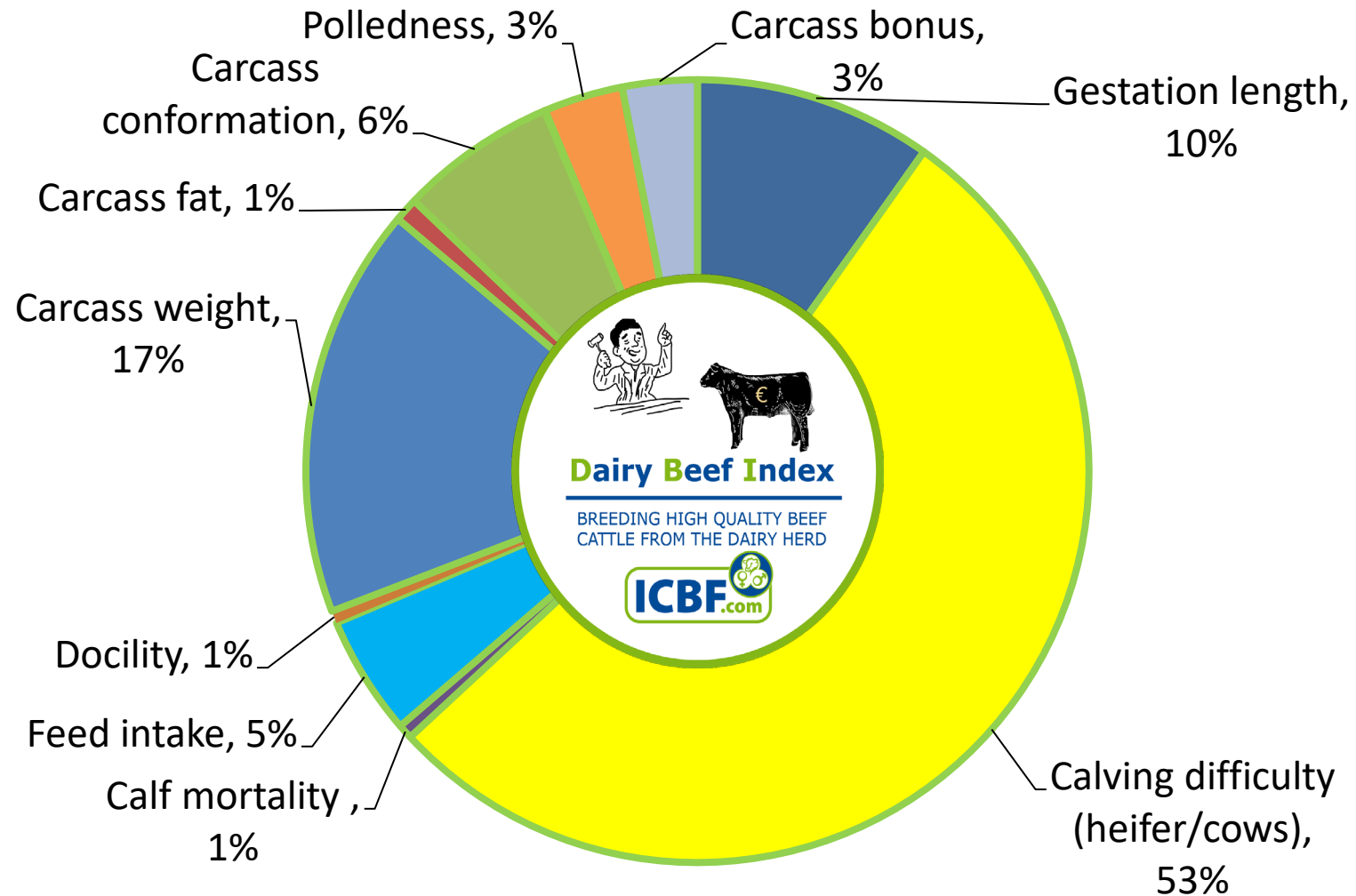




# How do we produce higher CBV animals?



# Dairy Beef Index (DBI)



- Breed/select bulls suitable for use in the dairy herd.
- Only applicable to pedigree breeders producing bulls for dairy market.
- Dairy farmers selecting beef bulls for dairy cows.



# Dairy Beef Index (DBI)

## Selecting sires

Bull Details					Dairy Beef Index(DBI) Summary				
Rank ^	Code ^	Name ^	Breed ^	GI ^	DBI € ^	DBI Rel % ^	Calving Value SI € ^	Beef Value SI € ^	Carbon Value SI € ^
1				No	183	93	66	104	12
2				No	178	87	51	127	-1
3				Yes	172	95	62	100	10
4				No	170	84	58	102	10
5				No	168	87	13	161	-6
6				Yes	167	91	58	101	8
7				No	167	88	46	123	-2
8				No	164	90	55	99	9
9				No	163	94	50	105	8
10				Yes	162	75	47	108	7
11				Yes	161	90	67	84	11
12				Yes	161	96	-3	175	-11



# Dairy Beef Index (DBI)

## High calving & low carcass sub-index





ex



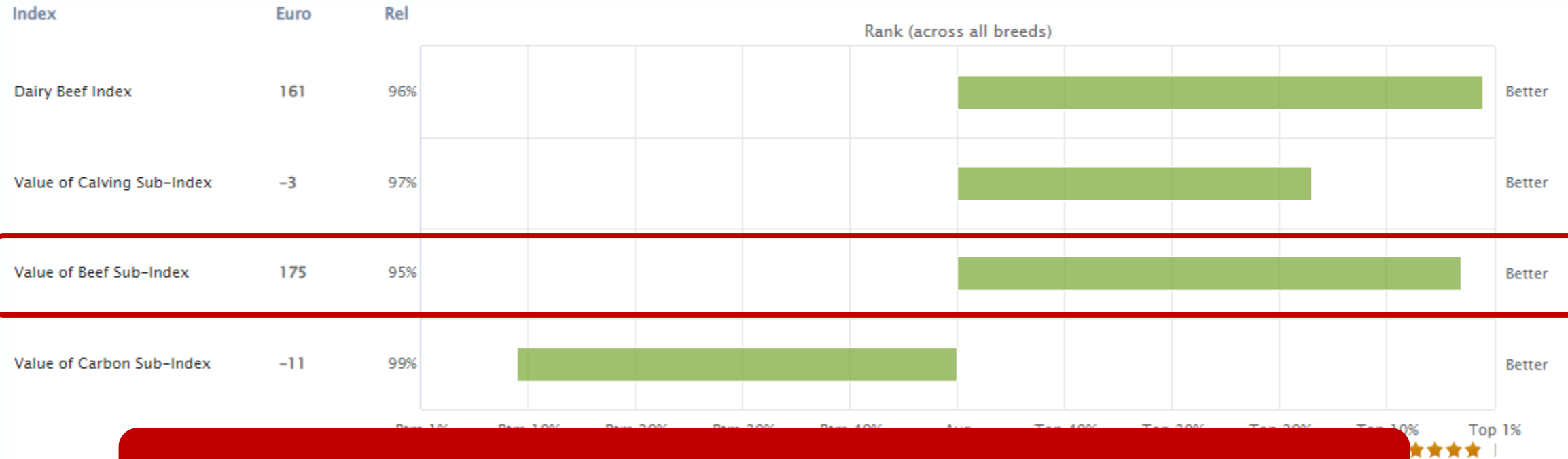
# How do we produce higher CBV animals?

## Dairy Beef Index

Use the Dairy Beef Index to breed beef animals from the dairy herd that are destined for slaughter

Across All Beef Breeds

Within Limousin Breed



**High beef sub-index = High CBV calves**



**DBI**



### **Dairy Farmer**

*Selecting beef sires  
for dairy cows*

### **Pedigree Breeder**

*Breeding high DBI  
bulls for dairy  
market*

**CBV**



### **Drystock Farmer**

*Selecting efficient, high beef merit  
animals for slaughter.  
N.B. Easy calving, short gestation  
genetics are not beneficial to a  
drystock enterprise.*





# What about the dairy cow's beef merit?



# Carcass Merit Profile for dairy cows



## Carcass Merit Profile

(Printed 20/02/23)

D2690749



Fb	Tag	DOB	Sex	Breed	Purpose	Lact	Sire	Gen o	Carcass Wt Kg
1903	IE151013741903	22-JAN-15	F	HO (97%), FR (3%)	Dairy	6	HZB	Y	11.70
1910	IE151013731910	27-JAN-15	F	HO (75%), FR (22%)	Dairy	6	24kg difference		-9.10
1925	IE151013711925	04-FEB-15	F	HO (81%), FR (19%)	Dairy	7			-5.90
1938	IE151013761938	11-FEB-15	F	HO (84%), FR (16%)	Dairy	6			-0.20
1954	IE151013761954	28-FEB-15	F	HO (94%), FR (6%)	Dairy	7			-12.70
1955	IE151013771955	01-MAR-15	F	HO (91%), FR (9%)	Dairy	6	FZC	Y	-0.60
1958	IE151013711958	12-MAR-15	F	HO (94%), FR (6%)	Dairy	7	YRY	Y	-1.30
2052	IE151013762052	05-FEB-16	F	HO (88%), FR (9%)	Dairy	5	PHC	Y	-9.90
2100	IE151013742100	23-JAN-16	F	HO (81%), FR (19%)	Dairy	6	SEW	Y	-10.50



# Suitable Sire Selection

Beef Sub-Index	Cows	Beef Sub-Index of 3 Hereford AI Sires (Calving Diff % on Dairy Cows)			Predicted CBV's of Calves
		High €124 (3.9%)	Medium €88 (4.2%)	Low €36 (2.5%)	
High	IE341114656586	159	124	70	
Med	372227122210590	141	107	53	
Low	372227122280829	140	106	52	

- Predicted CBV's using 3 widely used Hereford AI sires.
- Correct sire selection is vital.
- Use HerdPlus sire advice to match most suitable sires to cows.





# Commercial Beef Value (CBV)

## Where can I find it?

- Online profile for HerdPlus herds – all animals with sire recorded.
- Available on mart boards.
- Animals must be genotyped to appear on mart boards – sire verified.

Commercial Beef Value								
Breed Type ^	Value € ^	Star Ranking (Across Breed) ^	Star Ranking (Within Breed Type) ^	Carcass Weight (kg) ^	Carcass Conformation (1-15 scale) ^	Carcass Fat (1-15 scale) ^	Feed Intake (kg DM/day) ^	Docility (1-5 scale) ^
Dairy x Beef	110	★★★★☆	★★★★☆	8.1	0.29	0.07	0.39	0.12
Dairy x Beef	102	★★★★☆	★★★★☆	6.2	0.18	0.01	0.29	0.08
Dairy x Beef	90	★★★★☆	★★★★☆	4.3	-0.18	-0.23	0.23	0.12
Dairy x Beef	87	★★★★☆	★★★★☆	4.4	0.14	0.12	0.32	0.10
Dairy x Beef	81	★★★★☆	★★★★☆	0.8	0.19	-0.08	0.11	0
Dairy x Beef	80	★★★★☆	★★★★☆	-0.3	0.19	0.00	0.06	0.08
Dairy x Beef	76	★★★★☆	★★★★☆	2.1	0.13	0.11	0.22	0
Dairy x Beef	67	★★★★☆	★★★★☆	-1.3	0.21	0.06	0.11	0
Dairy x Dairy	65	★★★★☆	★★★★☆	3.9	-0.65	-0.38	0.32	0
Dairy x Dairy	62	★★★★☆	★★★★☆	3.2	-0.55	-0.10	0.34	0.11
Dairy x Dairy	55	★★★★☆	★★★★☆	1.5	-0.75	-0.09	0.24	0.15
Dairy x Dairy	51	★★★★☆	★★★★☆	0.3	-0.88	-0.30	0.20	0.17
Dairy x Dairy	48	★★★★☆	★★★★☆	-1.5	-0.40	-0.26	0.16	0
Dairy x Beef	46	★★★★☆	★★★★☆	-2.7	-0.13	0.06	0.17	0.07
Dairy x Dairy	44	★★★★☆	★★★★☆	-0.2	-0.77	-0.26	0.26	0.14

**Lot No 800** Qty 1 BLK 0 KGS

**QA Days Breed** **DOB** **Moves Dam-BRD**  
**Y 70+d** **HEX** **14/02/21** **2** **FR**

**Remarks**

**TB Test** **BVD Test** **ICBF Evals** **Owenacurra**  
**29/09/2022** **Yes** **1**

**Seller**

**ICBF.com** **Tag No** **Comm. Beef Value** **Within Breed** **Genomic Eval**  
**1970** **€82** **★★★★** **Yes**

**17:53:12**

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# Our Farmer & Government Representation



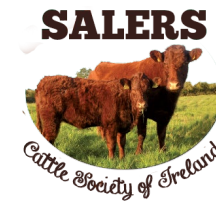
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# Our AI & Milk Recording Organisations



# Our Herdbooks



MRI Cattle Society of Ireland  
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# Acknowledging Our Members