



Dairy HerdPlus User Guide

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Welcome



This Welcome Pack is aimed at helping you make full use of your HerdPlus membership. The HerdPlus service will provide you with essential breeding and management tools to maximise profitability within your farming enterprise.



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To familarise yourself with the various indexes and genomics, read the first four sections of this brochure.

Padraig O'Connell, Co. Kerry

Using the services provided by HerdPlus, mainly EBI and genomic evaluations, have massively helped transform our herd over the past number of years. In 2017, our herd EBI was €64 which was well below the national average. The cows were producing 350 kgs of milk solids and the calving pattern was not where it needed to be. Genomics have helped to make more informed breeding decisions and notable improvements in overall herd EBI which is currently at €176. The herd is producing over 430 kgs of milk solids and achieving a six-week calving rate of 75%. This progress and genetic gain has been a result of the tools and information that HerdPlus provides to us as farmers.



Economic Breeding Index (EBI)

What is EBI?

EBI is a single figure profit index aimed at helping farmers identify the most profitable bulls and cows for breeding dairy herd replacements. It comprises of information on eight sub-indexes related to profitable milk production. Knowing the genetic merit of your herd is a key component to successfully improving traits of importance on your farm.

The observed performance of an individual cow depends on two things:

- The genetic merit of the cows.
- The environment in which the cow is performing.

The eight sub-indexes which all have a relative trait emphasis on the overall index are outlined in this chart.

What is the base cow?

The base for production and fertility is 2005 born cows, calved and milk recorded for the first time in 2007, with at least 2 years out of 5 milk recorded. The base cow performance is as follows:

	Milk Kg	Fat Kg	Prot Kg	Fat %	Prot %	Calving Interval	Survival %
Base Cow Performance	6044	236.2	207.5	3.91	3.43	398.8	85.3

How do I interpret the Predicted figures for Milk Kg, Fat Kg, etc?

An animal's Predicted Transmitting Ability (PTA) indicates the amount of a particular trait an animal is expected to pass on to its progeny, relative to the base cow population. The PTA is equal to half of its own Breeding Value since a cow only passes on half her genes to her offspring. All values on the EBI report are expressed as PTA's. Information on bulls (in catalogues, bull search, etc.) is also presented in terms of PTA.

The daughters of a bull with a PTA of 150kg for milk yield would be expected to produce, on average, 100kg more milk per lactation than the daughters of a bull with a PTA of 50kg if their dams have equal genetic merit. The actual difference will not be exact when comparing individual daughters because no two daughters get exactly the same combination of genes and are not exposed to exactly the same environment. Thus, daughters of the same sire may have varying performance.

Reliability

This is used to measure the accuracy of an index or trait PTA based on the amount of data that is recorded on an animal. The number of progeny records required to meet certain reliability figures varies from trait to trait as some traits are more heritable than others.

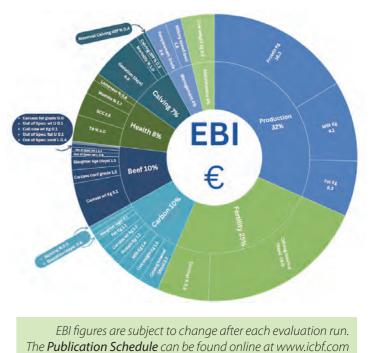
Why does my animal not have an EBI?

The most common reason for an EBI not to be displayed on an animal is generally because the sire may not have been recorded. This information can be recorded by going to **Record Events > Missing Sire**.

Top Tip!

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Dairy Beef Index (DBI)



What is the Dairy Beef Index?

The DBI is a tool to produce quality beef cattle from the dairy herd that hold both desirable calving attributes for the dairy herd (i.e. calving easy) and valuable carcass merit attributes for the finisher. It does this by ranking beef cattle for use in the dairy herd based on their genetic merit for several traits that are important to dairy-beef production systems.

What does the DBI select for?

- Easy calving, short gestation and less calf mortality.
- Heavier carcasses of greater conformation and lower fat score.
- Cattle that are polled, carbon efficient and have lower feed intake.

Advice for Dairy farmers

To maximise dairy-beef profitability, use beef bulls with the highest Dairy Beef Index.

- If using beef AI, identify the best bulls from the active bull list; ideally use a team of bulls.
- If purchasing a stock bull, ask the breeder for the bull's tag and obtain his DBI from the animal search, sales catalogue or stock bull finder.

The DBI information of a bull can be viewed on the ICBF Animal Search.

Commercial Beef Value (CBV)



Calving traits are not included

applicable to farmers purchasing

in the CBV as they are not

these animals.

What is CBV?

CBV is a tool for non-breeding beef farmers designed to give an insight into an animals genetic merit. Like the replacement and terminal indexes, the CBV is expressed as a € value. The higher the CBV the better the genetic merit of the animal for beef traits.

CBV is comprised of five traits from the terminal index that are important to non-breeding beef enterprises:

- 1. Carcass weight
- 2. Carcass conformation
- 3. Carcass fat
- 4. Docility
- 5. Feed intake

What animals will receive a CBV?

- Suckler (beef sire and beef dam)
- Dairy x Beef (one dairy parent and one beef parent)
- Dairy x Dairy (dairy sire and dairy dam)

Females that have had a calf, dairy females, pedigree beef males and females will not receive a CBV.

I'm a dairy farmer. How do I breed high CBV animals?

Animals with high carcass merit, docility and feed intake trait values will have the highest CBV's. Selecting bulls from the DBI active bull list with a high beef sub-index will help to breed high CBV progeny.

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Genomics

What is Genomics?

Genomics is breeding using DNA (Genotype) combined with performance data on an animal's relatives to help better predict how well an animal will perform in the future. DNA is passed from parents to offspring and is therefore central to breeding. It can be extracted from tissue, hair, blood or semen samples. DNA is the building block of life and therefore in combination with management such as feeding, can determine the performance of an animal such as how much milk it will yield, its susceptibility to disease and its fertility performance.

What are the Benefits of Genomics?

Genotyping an animal and having access to its genomic results has huge benefits for the herdowner.

- Higher EBI reliability Greatly increases index reliability before the animal has any of its own progeny.
- Parentage verification Genotyping can confirm the sire & dam of an animal.
- Major Genes Animals can be identified as carriers of major genes (i.e. Myostatin, polledness, etc.) and diseases.

Genomics helps farmers to make more informed and confident decisions when selecting the next generation of dairy replacements. Genotypes can be ordered online by logging into HerdPlus through the Genomic Services portal or by calling 023 8820452. Hair cards will be sent to farm via post with instructions and a return envelope enclosed.

Genotypes can be tracked on the "Genotype Tracking" screen by entering the herd number or animal tag number. This will give an indication of what stage the process is curren

Genotype Tracking

	Search fo	r sam	ples requ	ester	d by date of initial	reques	a.	v bet	ween two d	ates: St	art Date	
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26-JAN-23						м	но		HAIR	-	27-JAN-23	31-JA
30-NOV-22						P	HO.			(C'	30-NOV-22	30-N
07-NOV-22						2	HO		HAIR	IH	08-NOV-22	17-N

genomic evaluation process shortly afterwards

Logging in

Follow the steps below to access your HerdPlus account:

- 1. Go to www.icbf.com
- 2. Enter your herd number and password in the fields prov
- 3. Click Log In
- 4. Click "Forgot your password?" to retrieve your password word PASS to 0894577663 from the mobile registered to receive a temporary password.







	End	Date			Go		-		
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3	31-JAN-23	IDBV5	08-FEB-23	. 4	748	View	GENOTYPE PUBLISHED	14-FEB-23	15-FEB-2
2	30-NOV-22		30-NOV-22	9	RE_WE	View	GENOTYPE PUBLISHED	09-DEC-22	13-DEC-2
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View Profiles



EBI Profile

View the EBI figures for each of your animals on our live EBI profile. Compare your herds average EBI figure against the National Average.

our search criteria.	Scorecard (Jul 2023)	My Herd Na	ational Average To	top 10% Herd 1	Rank Star	Rating	· You					He	rd EBI Pat	tern					
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Expected Calving Profile

Check the expected calving dates for your herd based on insemination data recorded.

Jumbo	Contract Rearing	Fram	To Date	Last Bul	Bull's Main Breed	Risk of Dair 🛩	From	Sexed	From Daka	E-rom Date	From	Frisan To	From To	1108	From	From	V loch So
Jumbo 🔸	Contract Rearing	Lact	-	Last Bull	Bull's Main Breed	Risk of Dairy Heiter Chilf	Dairy Heifer DR Cow CD%	Sexed	Last Preg Scan	Exp Calving Date	Days To Calving	DIM -	Expected FBI 6	Expected Milk C	Expected Fert 6	Expected Carbon 6	Expected CRV €
1671	N	1	26-APR-23	FR8893	HO	-	2.0			30-JAN-24	131	226	289	102	124	14	-30
1700	N	1	26-APR-23	FR7725	но	-	2.4			30-JAN-24	131	204	244	79	106	21	:31
1739	N	0	26-APR-23	FR6076	но	Low	6.6		18-AUG-23	30-JAN-24	131		240	87	100	15	-37
1742	N	0	26-APR-23	FR8893	HO	Low	3.7		18-AUG-23	30-JAN-24	131		277	104	114	15	-32
1743	N	0	26-APR-23	FR7725	HO	Moderate	6.7		18-AUG-23	30-JAN-24	131		282	98	122	19	-21

See the days to calving and the predicted overall EBI value of the calf including a breakdown of the figures across some of the key sub-indices.

View Profiles

Top Tip!

on any given day.

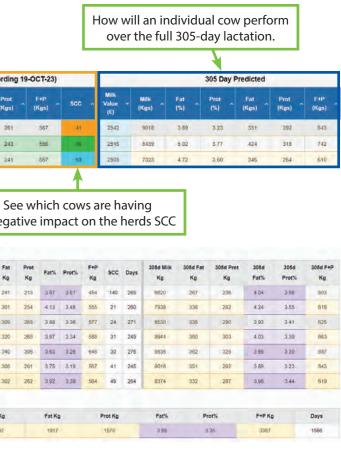
Milk Recording Profiles

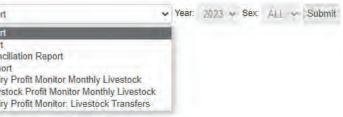
The following profiles are available for herds that practice milking recording. Milk Recording Current Milk Recording Lifetime Our live current milk recording profile enables you to view your herds past, present and predicted future milk yields. How will an individual cow perform View the performance of individual cows in the herd for their current lactation over the full 305-day lactation. Yield to Date (last recording 19-OCT-23) 305 Day Predicted **Animal Details** Calving Date DIM Lact (Kgs) 16-FEB-23 3.75 3.19 251 567 3.69 3.23 HO (885) ED (195) 245 8165 6546 4.78 3.71 243 56/6 2516 8439 5.02 HD (59%) FR (34%) 14-FEB-23 247 3.77 742 557 FR (53%) HO (47%) 4 03-FEB-23 258 6789 4 64 3.55 241 4.72 Click a cow's jumbo to view her See which cows are having lifetime lactation summary a negative impact on the herds SCC SCC Dave 4.13 3.48 7938 21 260 8530 268 3.97 3.34 588 31 249 8944 320 3.39 3.63 3.26 646 30 276 9836 3.30 261 3.75 3.19 567 41 245 9018 3.89 3.23 3.92 3.39 8374 3.44 FatKg Ear% Prot% **Stock Reports** Report: Select Report Select Report View various reports based on stock Stock Report Stock Reconciliation Report numbers at a given time. Nitrates Report Teagasc Dairy Profit Monitor Monthly Livestock Downlaod and print these reports in Teagasc Drystock Profit Monitor Monthly Livestock Teagasc Dairy Profit Monitor: Livestock Transfers Excel or PDF Format. **Stock Nitrates Report** - calculates kgs of Nitrogen (N) and Phosphorus (P) produced, based on the number of animals in the herd. **Stock Report** - calculates the number of animals in the herd on the last day of each month broken down by animal category. Stock Reconciliation Report – calcualtes the number of animals Born, Bought, Sold, Died and livestock totals for each month. Stock reports are benefical for accounting purposes.

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e Milk Recording SCC Milk Recording Test	e	Milk Recording SCC	Milk Recording Tests
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Dairy Genomic Results Profile

This profile displays dairy animals in the herd with a genomic evaluation. Shows the difference from their non-genomic proof to the current official proof. Highlights the areas of change for each individual animal based on the genomic information. Information can be viewed for each EBI sub-index and conformation traits.



Co-op Profile

This profile gives an excellent overview of the herd's production and fertility performance.

Allows farmers compare their herd performance against other herds across numerous key performance indicators (KPI's).

The profile is broken down in 3 main areas of analysis of on-farm performance.



- 2. Herd Fertility
- 3. Herd Genetics

		Your Herd	Dairygold	Darygold	Rank out of 100	Your Star Rating
NB Performance for 2023 (Jan - Jul) based on Osinypold data			Average	Top 10%		
Fat + Protein (Kg/Cow)						
Average for and Posterio year are for your test		540	262	228	945	
Litres per Cow per Day		19.82	18.84	18.8	80%	
Fat % to end of Jul 2023		4.54	41	454	1 10%	
Protein % to end Jul 2023		0.62	3.43	2.67	425	
Average Milk Price (cpl) Incl. VA	T.	45.5	42.9	45.6	. 80%	
SCC (.000 cells/ml)		87		#1	85	
ertility & Calving data based on HertBPlus 2021 Calving Report						
Calving Interval (days)	a brand	373	383	363	68%	
Spring 6 Week Calving Rate		81%	71%	895	71%	
% with known Sire and Calving Survey i	recorded	88%	47%	100%	27%	
% Al bred Replacements		100%	82%	100%	100%	
% of Heifers Calved 22-26 month		100%	785	100%	100%	
BI Statistics based on the latest HerdPlus EBI report 2023						
Herd EBI (2023)		4201	6166	6206	99%	
EBI of (2023) Inseminations		4254	4292	6335	115	

CBV profile

View the CBV €-value for each of your eligible animals.

Compare your animals on the star ranking across breed or within breed type.

A figure in black is more desirable. This may be a positive or negative figure depending on the specific trait.

Jumbo 🔺	Animal Number 🔹	Breed .	Birth Date	Sex 🤌	Dam .*		Genomic Eval	Sine Verified	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)	Age at Slaughter ~ (days)	Feed Intake (kg DMIday)	A Docality (1-5 A scale)
3253	_	SĂ (50%), HO (44%)	10-MAR- 23	M		SA4604	۲	Y	Dairy x Beef	127	**		10.8	0.18	-0.07	3	-0.05	0.04
3243		SA (50%), HO (38%)	23-FEB-23	Ē		SA4604	Ý	Y	Daity × Beef	107			6.0	0.21	-0.00	5	0.03	0.03
3264		AU (50%), HO (38%)	26-MAR- 23	м		AU6286	Υ.	Y	Dairy x Beef	100			17	0.73	-0.02	5	-0.17	0,10
3272		AA (50%), HO (44%)	05-APR- 23	м			Ŷ	Ň	Dairy x Beef	81	-	*****	-0.3	0.10	0.21	-5	0.06	0.08

View Profiles

C.O.W. is a decision **support** tool for dairy females to aid in **management** and culling decisions through measuring the performance of your cows within your herd.

C.O.W. is the expected profit of a cow for her remaining lifetime. Cows are listed in order of most profitable to least. Suitable culling candidates will be at the end of the profile.

Record essential data to improve the accuracy of your herds C.O.W. e.g. dry-offs, serves, health events.

Missin Sire O Missir		Heat & Al/Serve 148 Cows Served	Pregn Diagn 71 Cov 2% Em	osis /s Scanned	Dry- Off O Gows	Lar 0 M	<mark>stitis &</mark> neness lastitis Case(: ameness Cas		Mark For Culling O Cows Mark	ed					
Rank		Animal Details			C.O.W. C	omponents		EBI	Milk Solids	SCC		Fertility		c	Other
C.O.W. Rank	~ Jumbo	> Animai Number >	Lact ~	C.O.W, (C)	Current Lact Profit (€)	Future Lacts - Profit (C)	Net Replace A Cost (E)	EBI (C)	→ 305D F+P kg →	SCC (,000 c/ml)	Calving Date	Preg Diag	Expected Calving Date	Marked For Culling	• Dried Off
1	1492	372214857391492	1	3773	544	2185	1045	238	595	65	12-FEB-23	IN CALF	09-FEB-24	NO	
2	1714	372214857371714	1	3409	462	1860	1087	243	490	42	07-MAR-23		224FEB-24	NO	
3	1458	372214857371458	2	3125	494	1675	956	210	575	140	31-JAN-23		13-FEB-24	NO	
4	1508	372214857371508	2	3073	444	1682	947	231	533	41	09-FEB-23	INCALF	12-FEB-24	NO	

Compare your top vs bottom cows on C.O.W.

147	1264	372214857331254	4	408	-128	-147	684	124	457	61	11-FEB-23	18-FEB-24	NO
148	1140	372214857331140	5					167	593	204	28-MAR-23	EMPTY	NO
149	1256	372214857331256	4					141	534	54	24-FEB-23	EMPTY	NO
150	1355	IE192002331355	8					109	539	50	10-FEB-23	EMPTY	NO

Animals that are "Marked for Culling" or "Empty" are automatically ranked at the bottom.

What does C.O.W. include?

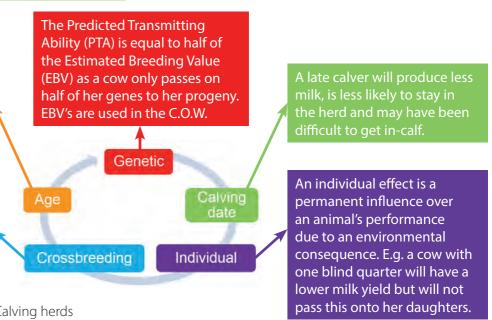
Young cows are not at their mature capability. Older cows will be more susceptible to health issues and are more likely to drop out of the herd

The hybrid vigour effect is

for a trait above the parent

the extra gain in performance

average where an individual is



*C.O.W. is only available for Spring Calving herds with a minimum of 3 milk recordings.

Top Tip!

crossbred.

Record essential data to improve the accuracy of your herd's C.O.W.

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and the second se	Management Maintenance date)	
Net designed	Future I	actations
Net Replacement Cost	Future I Milk Health Beef	<u>actations</u> Management Maintenance Descendants

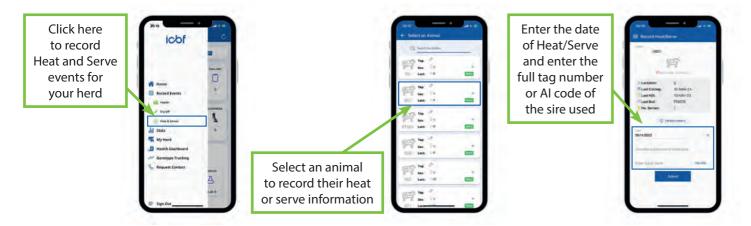
Record Events

Data Recording

Recording data on your animals is vitally important to ensure the most accurate EBI figures are available for your herd. Dissecting this information from reports and profiles helps to make more informed breeding decisions for your farming enterprise.

Record Heat & Al/Serve

You can record heat and serve events for the animals in your herd. This is a great way to keep track of fertility records for your herd and individual animals. These will impact important KPI's such as calving interval, etc. If using an AI technician, the AI data is received from your technician's handheld.



Record Pregnancy Diagnosis

By recording scanning results, expected calving dates will be generated for your herd. In the case that there are no serves recorded, farmers can record estimated number of days in calf as communicated by the scanning technician.

Record	l Pregnand	y Dia	gnosis			Please enter scan	date here:			of	scanni	ng here	
Showing 1 b	o 129 of 129 entries												Hide filters ϕ
FBJumbo	AnimalNumber	From	From Date	From Date	Purpos 🗸	Last Bull	From To	From	Status	Preg Checked	From	Serve bull	Sire checked
FB Jumbo	Animal Number	Lact	Last Calved	Last Serve 🔺	Purpose 🔺	Last Bull	Days last serve	Num Serves	Status	Preg Checked -	Days in calf	Serve bull	 Sire checke
1		Ì	30-DEC-22		Dairy			1	Empty	Select			
5		4	04-APR-22	31-DEC-22	Dairy	\$3134	261	1	In Calf	Select 🗸			
7		7	17-JAN-23		Dairy			1	Empty	Select 🗸			
8		2	26-OCT-22	03-JAN-23	Dairy	FR7554	258	2	In Calf	Select 🗸			
9		1	02-NOV-22	23-DEC-22	Dairy	FR7578	269	1	In Calf	Select 🗸			
10		3	10-JAN-23	20-MAY-23	Dairy	FR7578	121	1	In Calf	Select 🗸		Calcatana	£ 41. a
												Select one of following op PTY, IN CALF	otions:

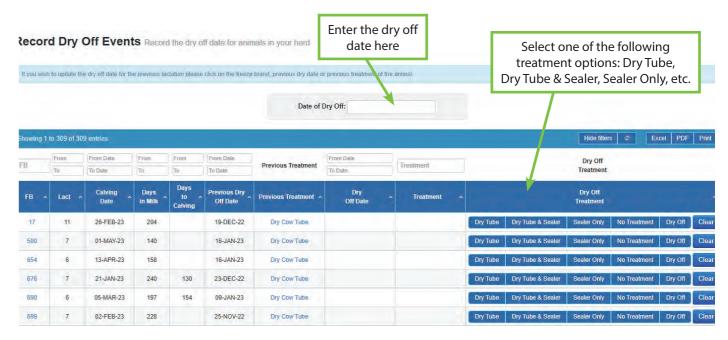
Record Events

Record Dry-Off

HerdPlus

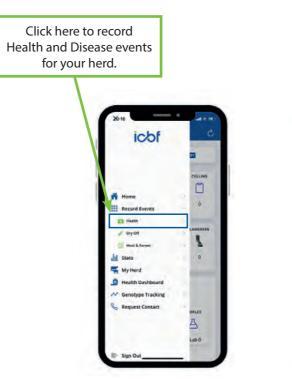
Dairy Pocket

Accurate recording of dry off dates are important for a cow to have a valid lactation in your herd. This information is then displayed on milk recording reports, sales catalogues and genetic evaluations.



Record Health & Disease

Recording instances of health and disease for animals in your herd will help to improve the accuracy of the Health sub-index. Events such as lameness, mastitis, retained placenta and much more can be recorded here.

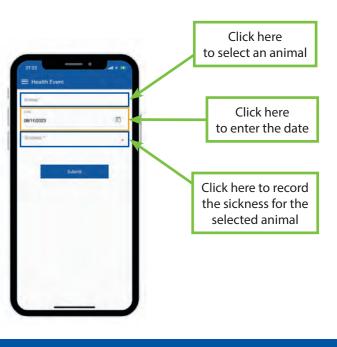


Top Tip!

Download our ICBF Free HerdPlus App to view your live profiles on the go.

Tel: 023 8820452 | www.icbf.com | email: query@icbf.com







Record Events



Reports

Dairy Cow Report

Individual cow performance can be analysed in great detail to make the best breeding and culling decisions by using the Dairy Cow Report.

The following information is available on this report:

- 1. Ancestry
- 2. Calving & Fertility
- 3. EBI sub-indexes
- 4. Milk production



Dairy Cow Repor

EBI Report

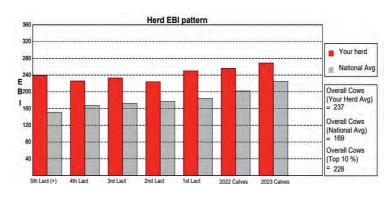
The EBI Report outlines herd performance in terms of overall EBI and each of the sub-indexes to help breed the most profitable and efficient animals for your herd.

Get an overview of the breeding values for each animal in your herd and benchmark your herd against the National Average and Top 10% for herd EBI and the eight sub-indexes.

HerdP Profit through S Call 023-88204		Economic Breeding Index (EBI) Animal Report (Cows)						İC	X
			Report Date lerd Owner lerd No:		(Jul 202	3 Evaluation	1)		
The Genetic evaluation FB Cow ID Name	Sire ID Dam FB	al contains a (Sire EBI Dam EBI	Senomic com C. Date Age	Milk Kg Fat Kg %	Milk	Fertility	Carbon Calving	Beef Mainten	EBI €

Breed	MG Sire ID	MGS EBI	Lact.	Prot Kg	1 %		1	Health	Mainten	Rel% Rank
2	FR4368	140	05/02/2023	344		€ 104	€79	€-17	€-1	C 047 +
	36	216	2y 7m	18.2	0.08			€ 44	6-4	€ 217 *
HO 93.8% FR 6.3%	HZB	159	1	16.6	0.08			€13	€-1	63 % 53
3	HZB	159	03/03/2023	447		€ 48	€ 89	€-9	€O	C 400 +
	72	155	7y 6m	11.3	-0.10	2.0		€ 39	€1	€ 188 *
HO 96.9% FR 3.1%	KOZ	281	6	11.0	-0.07			€ 16	€4	74 % 74

Compare your herd's EBI to the National Average by lactation.

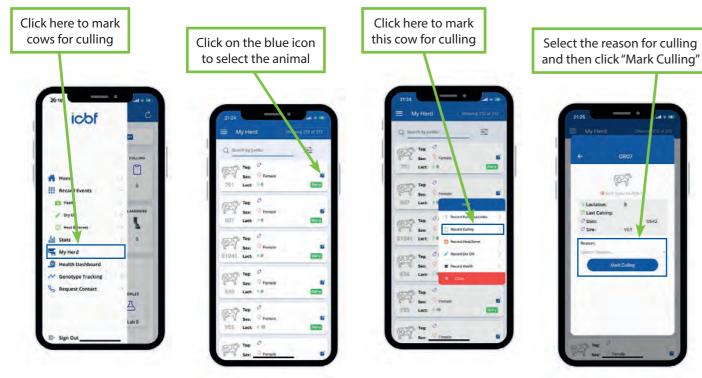


Top Tip!

Log on to **icbf.com** to generate your herd's Weekly Fertility Report.

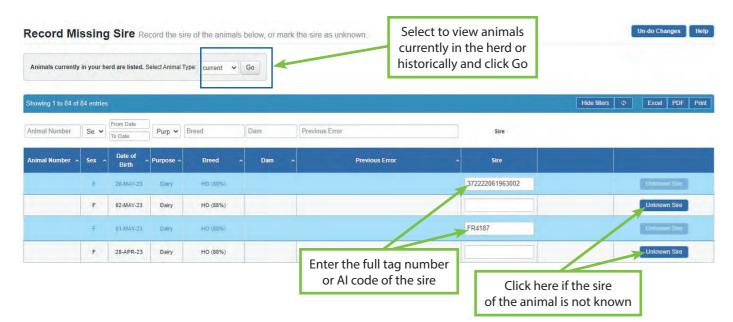
Mark for Culling

Marking cows for culling wil improve the accuracy of the information in the various profiles and reports accessible to the farmer.



Record Missing Sire

Recording the sire of a calf is optional at birth. However, without a sire on the database, ICBF cannot generate an EBI for that animal. All animals in the herd with no sire recorded will appear on this screen.



Tel: 023 8820452 | www.icbf.com | email: query@icbf.com

												L		
								•				ve th iry co		iost
				13-Nov-23										
	Animal	Det		Note: Select	townicoed I Date for	Report Derry Cow r		Deta	ils & E	BI	Index	es		
24	Animal	Det		Note: Select	t Date for	Dary Cow r		Deta WR (€24	77.7.7.2.7	BI	Index	es		
-	Animal	Det		Note: Select	t Date for	Dery Cow I			77.7.7.2.7	EBI	Index	es		
24			ails	Note: Select	t Date for	Dary Cov r Sire Dam	L	WR (€24	77.7.7.2.7	EBI	Index	es		
24 09-Fe	eb-17	6y 7r	ails	Note: Select	t Date for	Sire Dam's	L Sire S	WR (€24	40)				Maget	Health
24	eb-17		ails	Note: Select	t Date for	Sire Dam Dam's EBI	L Sire S Milk	WR (€24 OK Fert	40) Carbon	Calv	Beef	Maint		Health
24 09-Fe	eb-17	6y 7r	ails	Note: Select	t Date for	Sire Dam's	L Sire S	WR (€24	40)				Mgmt -€2	Health €4
24 09-Fe HO 7 7 Born	eb-17 1.9% I	6y 7r	ails	Note: Select	t Date for	Deny Covr Sire Dam Bam's EBI €293*	L Sire S Milk €47	WR (€24 OK Fert €186	40) Carbon	Calv €43	Beef	Maint €3	-€2	10000
24 09-Fe HO 7 7 Born I Milkin	eb-17 1.9% I In herd 9	6y 7r FR 259	ails n %	a	Date for	Sire Dam Dam's EBI 6293* Milk Ky	L Sire S Milk €47 g Fat K	WR (€24 OK Fert €186	40) Carbon €11 tKg F	Calv €43 at %	Beef €1 Prot	Maint €3 % Calv	-€2 . Int.	€4 Survival
24 09-Fe HO 7 7 Born 1 Milkin 09-FE	eb-17 1.9% I In herd g :B-24	6y 7r FR 259 FR65	ails m %	Note: Select	Date for	Deny Covr Sire Dam Bam's EBI €293*	L Sire S Milk €47	WR (€24 OK Fert €186	40) Carbon €11 tKg F -(Calv €43 at % 0.13	Beef €1 Prot ⁴ 0.07	Maint €3 % Calv. -10.2	-€2	€4 Survival
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24 09-Fe HO 7 7 Born I Milkin 09-FE Cal	b-17 1.9% I In herd g B-24 ving & Calf	6y 7r FR 259 FR69 FR69	ails m % 981 tility On	Note: Seed	I €318 Calv	Sire Dam Dam's EBI 6293* Milk Ky	L Sire S Milk €47 g Fat K 0 Fat	WR (624 OK Fert 6186 11 11 Prot	40) Carbon €11 tKg F -(Milk Fat	Calv €43 at % 0.13 C Pro	Beef €1 Prot 0.07 Oducti Prot	Maint €3 % Calv. -10.2 ON F+P	-€2 . Int. 2 days	€4 Survival 4.7%
24 09-Fe HO 7 7 Born 1 Milkin 09-FE	25-17 1.9% I In herd g EB-24 ving &	6y 7r FR 259 FR69 FR69	m % 981 tility	a ExpEB	I €318 Calv	Sire Dam Dam's EBI €293* Milk Ky 195	L Sire S Milk €47 g Fat K 0	WR (€24 OK Fert €186 3g Pro 11	40) Carbon €11 tKg F -(Milk	Calv €43 at % 0.13 C Pro	Beef €1 Prot ¹ 0.07	Maint €3 % Calv -10.2	-€2 . Int.	€4 Survival
24 09-Fe HO 7 7 Born Milkin 09-FE Cal	b-17 1.9% I in herd g iB-24 Ving & Calf Jumbo	6y 7r FR 259 FR69 FR69 Sex	ails m % 981 tility On Farm	ExpEB Num Serve	I €318 Calv	Sire Dam's EBI 6293* Milk Kg	T Sire S Milk €47 g Fat K 0 Fat kg	WR (624 OK Fert 6186 11 11 Prot kg	40) Carbon €11 tt Kg F -{ Milk Fat %	Calv 643 at % 0.13 Calv 643 0.13 Calv 643 0.13	Beef €1 Prot ¹ 0.07 Oducti Prot %	Maint €3 % Calv. -10.3 00 F+P kg	-€2 . Int. 2 days SCC	E4 Survival 4.7%
24 09-Fe HO 7 7 Born I Milkin 09-FE Cal ved ar-19	20-17 1.9% In herd g B-24 Ving & Calf Jumbo 1367	6y 7r FR 259 FR69 FR69	ails m % 981 tility On	Note: Smed	Date for	Sire Dam's EBI €293° Milk Kg 5246	L Sire S Milk €47 g Fat K 0 Fat kg 189	WR (€24 OK Fert €186 3g Pro 11 Prot kg 206	40) Carbon €11 tKg F -(Milk Fat % 3.6	Calv €43 at % 0.13 C Pro	Beef €1 Prot ⁹ 0.07 Oducti % 3.92	Maint €3 % Calv: -10.3 On F+P kg 394	-€2 . Int. 2 days SCC 34	€4 Survival 4.7% Salarian Days 269
24 09-Fe HO 7 7 Born 1 Milkin 09-FE Cal ved ar-19 eb-20	b-17 1.9% I in herd g iB-24 Ving & Calf Jumbo	6y 7r FR 259 FR69 FR69 Fert	ails m % 981 tility On Farm N	ExpEB Num Serve	I €318 Calv	Sire Dam's EBI 6293* Milk Kg	T Sire S Milk €47 g Fat K 0 Fat kg	WR (624 OK Fert 6186 11 Prot kg 206 262	40) €arbon €11 .tKg F 	Calv €43 at % 0.13 C Pro	Beef €1 Prot 0.07 Oducti % 3.92 3.53	Maint €3 % Calv. -10.3 00 F+P kg	-€2 . Int. 2 days SCC 34 63	E4 Survival 4.7% Solution Days
24 09-Fe HO 7 7 Born 1 Milkin 09-FE Cal ved ar-19 eb-20 an-21	25-17 1.9% 9 1367 1367 107 1466	6y 7r FR 25% FR65 Fert Sex F F M	ails ⁿ ⁹⁸¹ tility On Farm N Y N	ExpEB Num Serve	Date for 1 €318 Calv Int 327 354	Sire Dam Dam's EBI €293* Milk Kg 195 Milk kg 5246 7427 7123	L Sire S Milk €47 g Fat K 0 Fat kg 189 253 214	WR (624 OK Fert 6186 11 Prot kg 206 262 257	40) Carbon €11 tKg F (Milk Fat % 3.6 3.4 3.0	Calv €43 at % 0.13 C Pro	Beef €1 Prot 0.07 Oducti % 3.92 3.53 3.6	Maint €3 % Calv. -10.3 ON F+P kg 394 515 471	-€2 . Int. 2 days SCC 34 63 57	€4 Survival 4.7% Days 269 287 277
24 09-Fe HO 7 7 Born 1 Milkin 09-FE Cal ved ar-19 eb-20 an-21 eb-22	25-17 1.9% g (B-24 Ving & Calf Jumbo 1367 107	6y 7r FR 259 FR69 FR69 FR69 FR69	ails m % 981 tility On Farm N Y	ExpEB Num Serve	I Date for	Sire Dam Dam's EBI €293* Milk Ky 195 Milk kg 5246 7427	L Sire S Milk €47 g Fat K 0 Fat kg 189 253	WR (624 OK Fert 6186 11 Prot kg 206 262	40) €arbon €11 .tKg F 	Calv €43 at % 0.13 t Prc	Beef €1 Prot 9 0.07 0ducti % 3.92 3.53 3.6 3.78	Maint €3 % Calv. -10.3 On F+P kg 394 515	-€2 . Int. 2 days SCC 34 63	€4 Survival 4.7% Days 269 287
24 09-Fe HO 7 7 Born 1 Milkin 09-FE Cal ved ar-19 eb-20 an-21	b-17 1.9% In herd 9 B-24 Ving & Calf Jumbo 1367 107 1466 1589	6y 7r FR 259 FR65 Fert Sex F F M F	ails m % 981 tility On Farm N Y N N N	ExpEB Num Serve	I Date for 1 €318 Calv Int 327 354 377	Sire Dam Dam's EBI 6293* Milk Ky 195 Milk kg 5246 7427 7123 7511	L Sire S Milk €47 g Fat K 0 Fat kg 189 253 214 240	WR (€24 OK Fert €186 11 Prot kg 206 262 257 284	40) Carbon €11 .t Kg F Milk Fat % 3.6 3.4 3.0 3.1	Calv €43 at % 0.13 c Prc 1 1 9 3	Beef €1 Prot 0.07 Oducti % 3.92 3.53 3.6	Maint €3 % Calv. -10.3 On F+P kg 394 515 471 524	-€2 . Int. 2 days SCC 34 63 57 100	€4 Survival 4.7% Days 269 287 277 291



	Your Hand	National Average	National Top 10%	Your National Rank	Star Rating ¹
Herd EBI	€237	€167	€202	99%	****
Milk Sub-Index (Milk, Fat & Protein)	€81	€48	€64	99%	****
Fertility Sub-Index (Calving Interval & Survival)	€ 104	€71	€88	98%	****
Carbon Sub-Index	€O	Ø	£14	14%	*
Calving Sub-Index(Gestation, Calving Difficulty, Mortality)	€ 42	€29	€37	98%	****
Beef Sub-Index (Carcass Weight, Conformation & Fat)	€-5	6-4	62	46%	***
Maintenance Sub-Index (Cow Liveweight)	€8	€13	€20	10%	*
Management Sub-Index (Miking speed & Temperament)	€1	E1	63	29%	**
Health Sub-Index (SCC, Masthis, & Lameness)	€5	66	69	41%	***

Compare your top and bottom 10 cows on EBI, Milk and Fertility sub-indexes.

HerdPlus® Profit through Science Call 023-8820452			E		nic Br							1	C	0	
						Report D Herd Own Herd No:			P	(Jul 2	023 Eva	aluation)			
-	e		TOP 1	0 COWS	S ON EB	11.1.1	-	6)	В	OTTON	10 CO	WS ON E	BI	-
	Jumbo	Lac	Milk	Fert	Calv	Other	EBI		Jumbo	Lac	Milk	Fert	Calv	Other	EB
	89	9	€76	€224	€38	€35	€397	1							
1							6351	1.	39	2	€107	€44	€30	€-13	€16
1	50	1	€81	€185	€38	€28	€344	2	39 83	2	€107 €69	€44 €79	€30 €45	€-13 €-16	
	50 106	1		€185 €201	€38 €40	1 7 7 7								7.07	€16 €16 €17
2			€81			€28	€344	2	83	4	€69	€79	€45	€-16	€16 €17
2	106	10	€81 €47	€201	€40	€28 €24	€344 €326	2	83 75	4	€69 €53	€79 €75	€45 €29	€-16 €17	€16
2 3 4	106 81	10 7	€81 €47 €33	€201 €198	€40 €35	€28 €24 €17	€344 €326 €307	2 3 4	83 75 21	4 4 7	€69 €53 €50	€79 €75 €67	€45 €29 €35	€-16 €17 €18	€16 €17 €17
2 3 4 5	106 81 91	10 7 8	€81 €47 €33 €92	€201 €198 €131	€40 €35 €37	€28 €24 €17 €32	€344 €326 €307 €303	2 3 4 5	83 75 21 57	4 4 7 2	€69 €53 €50 €74	€79 €75 €67 €78	€45 €29 €35 €46	€-16 €17 €18 €-21	€16 €17 €17 €17 €17
2 3 4 5 6	106 81 91 77	10 7 8 1	€81 €47 €33 €92 €83	€201 €198 €131 €159	€40 €35 €37 €56	€28 €24 €17 €32 €-11	€344 €326 €307 €303 €295	2 3 4 5 6	83 75 21 57 92	4 4 7 2 4	€69 €53 €50 €74 €43	€79 €75 €67 €78 €72	€45 €29 €35 €46 €51	€-16 €17 €18 €-21 €6	€16 €17 €17 €17
2 3 4 5 6 7	106 81 91 77 24	10 7 8 1 5	€81 €47 €33 €92 €83 €47	€201 €198 €131 €159 €186	€40 €35 €37 €56 €43	€28 €24 €17 €32 €-11 €6	€344 €326 €307 €303 €295 €293	2 3 4 5 6 7	83 75 21 57 92 82	4 4 7 2 4 5	€69 €53 €50 €74 €43 €81	€79 €75 €67 €78 €72 €73	€45 €29 €35 €46 €51 €46	€-16 €17 €18 €-21 €6 €-3	E16 E17 E17 E17 E17 E17 E17 E18

Reports



Sire Advice



The progress bar above shows which page the user is on while running Sire Advice. This can also be used to jump back pages by selecting the button below each page title. There are 2 options for running Sire Advice.



Manually enter bulls is the following page which can be skipped to using the second option for running sire advice.

Female Selector

- Females can be selected for culling, sexed mating, beef mating and selective mating using the tick boxes.
- Females selected for culling are then excluded from the
- The females marked for crossbreeding are then allocated heterosis.
- The females marked for Sexed will receive one dairy bull
- A count updates with the number of selections in each

Female Selector Choose animals to be matched with bulls through sire advice,



Bull Selector

- 1. Select bulls from the Current Active Bull list, all Al bulls or the beef bull list.
- **2.** As you use the filters to refine your selection, the bulls on the screen will change.



3. Click on 'Select Bull' to add the Bull to the Bull Team

4. Note the figures listed in brackets are your herd's average EBI's as per your recent EBI report.

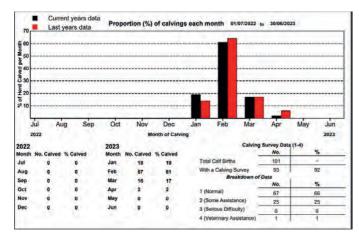
Top Tip!

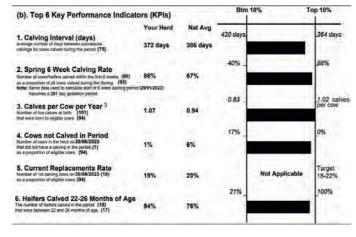
It is recommended to have a bull team reliability of at least 90%. The bull team reliability updates as you add bulls into your team.

Dairy Calving Report

Use the Dairy Calving Report to get an in depth assessment of the calving performance in your herd.

View the summary of calving records by month and calving survey data.





Benchmark your herd against the National Average and Top

10% for Key Performance Indicators (KPI's) such as Calving

Interval, Six-Week Calving Rate and many more.

Fertility Reports

The Weekly and End of Season Fertility Reports looks at both calving data and submission rates to summarise the fertility performance of your herd at key times in the breeding season.

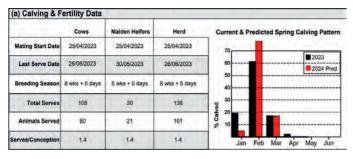
Weekly Fertility Report

View the numbers of spring dairy calving events in your herd along with a summary of important calving dates and trends.

Mating	Start Date (MS	D): 25/04/2023 (Cows) 25	/04/2023 (Helfers)		
(a). Ca	lving Summary	Data - Report is based on	dairy cows that ca	alved from 20/01/202	3
	Spring Dairy	Calving Dates		Spring Dairy Calvin	g Pattern
	Start Calving	Median Calving ¹		Num. Calved (%)	Top 15%
Cows	20/01/2023	13/02/2023 (25 days)		35 (38%)	57%
Heifers	18/01/2023	11/02/2023 (25 days)	Week 3	35 (38%)	5/%
Herd	18/01/2023	12/02/2023 (26 days)	122.31	1	1.2. 7.4.2
4 Dale un yahabh 3	10% of convolution force carbon	d any file of ficial university on report date.	Week 6	75 (81%)	82%
Total	Dairy Calvings	93	-	10 (0 MP) 1	2.00
Total Dai	iry Calves Born	101	Week 9	90 (97%)	94%

End of Season Fertility Report

Analyse the current and predicted calving pattern for your herd to implement appropriate management decisions.



Keep a close eye on the Action List for your herd to identify cows not yet served or confirmed pregnant.

Note:	The following cows ma	ay have rep	roductive problems a	nd should be investigated furt	her.	
Jumbo	Animal number	Lact	Calving Date	Calving Difficulty	Days Calved	Notes
52	1 · · · · · · · · · · · · · · · · · · ·	3	24/01/2023		240	
98		7	14/02/2023	Normal Calving	219	_

Benchmark your herd against the National Average and Top 5% for Fertility KPI's such as submission and conception rates.

Days since 151 Mating Start Date (MSD): Cows	151 Heife		Your Herd	Nat. Avg.	Btm. 5%	Your Herd	Top 5%
1. 21 day Submission rate Covaliations submitted for mating within 21 day	dush	Cows	78%	71%	25%		91%
(59 cows) 16 helfers) as a percentage calved up to 21 days after MSD (68 cows)(23 dairy helfers > 9mths)		Helfers	70%	80%	31%		99%
2. 42 day Submission rate Constructions submitted for mating within 42 day	d Light	Cows	90%	86%	52%		99%
(19 cover 21 heifers) as a percentage calved up to 42 days after M3D (85 cover)(23 dairy heifers > SmBrs)		Heifers	91%	86%	39%		99%
3. 1st Service Conception Rate Cowshellers confirmed in call to 1st service		Cows	73%	58%	37%		82%
(58 cows/ 12 helfers) as a proportion of cows/helfers submitted (80 cows/ 21 helfers)		Helfers	57%	75%	39%		99%



Straw Allocation	Run Site Advice	Save & Send to Al	-
			Next III

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ating	I, Cro	ssbr	ed			×			e	×	×	2	×
locat	ion				1	Sexed	Default	Culli	ng	Beef	Selecti Matin		Cross- breed
to bu		o ma	xim	ise		+	2	E		+	+		+
		71110		150		+	+	E		+	+		+
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Straw Ado	cation /iew	Bull Net 2	R Tea	un Sire Ad	10 1	E	Save	è Sond ean Pax	ID AI	eliat	Dility	9) Calv	Voxt >> 2% cow cat
Straw Add	Cation View Exercise	Bull Net 2	R Tess Marke 68 95	un Siro Adi	NCE	E Kg	Save Bull T ProtKe 78	ean Pats 018	ID AI	Prot %	Hear of the second s	9) Calv	Koxt >> 2% Cow Case
Straw Add	cation /iew 191 388	Bull Ref 42 92	R Tess os os os	un Siro Ada Pert d 70 198	VICE 1 Part 11 11 12 14	E Ku 10	Save Bull T ProtKe 78	ean Pats 018	Del «	Prot %	Hear of the second s	- 9: Calv 7. 33 Rel %	Koxt >> 2% Cow Case
Straw Add	Coston Fiew 191 300 My Bull	Bull Ref 42 92	R Tees os ps Bor	un Siro Adi IIII 1 Pens 70 198	Avg	E Kg 0.0- 0.0-	Samp Bull T Protika 78 110	ean Pa3	10 Al Re 1091 ¢	Prot %	Hear of the second s	- 9: Calv 7. 33 Rel %	Koxt >> 2% Cow Case
Straw Add	Coston Fiew 191 300 My Bull	Bull Ref 42 92	R Tess Mark C 09 95 Both Board	un Siro Adu 2000 21 Perso 70 108 Il Team DBI /	Avg	E Kg 0.0- 0.0-	Samp Bull T Protika 78 110	ean Pa3	10 Al Re 1091 ¢	Prot % 0 12 0 18	Hear of the second s	- 9: Calv 7. 33 Rel %	230
Straw Add	cation /iew sea c 191 380 My Buil Nove the	Ref 35 42 92 Team c sustained party	R Tess Make es Bo Bo Bo Bo Bo Bo Bo Bo Bo	un Siro Adu 2000 21 Peri 6 70 108 Il Team DBI / er es the right 1 er es the right 1	WCE 2. Part 11 12 14 14 14 14 14 14 14 14 14 14 14 14 14	Kg 1.0- 1.0- Restar	Same Bull T Prot Ke 78 110	Parts 0.15 0.25 0.26 0.26 0.26	DBIC 10A	Prot % 0 12 0 18	see on	2 9). Calv r. 13 Rei %	230

Sire Advice

Female Sele

Manually Enter bulls



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Next H

Save & Send to Al

Applications

Inbreeding Checker & CBV Predictions

The Inbreeding Checker allows a farmer to check for possible inbreeding if females are mated with specific AI sires or stockbulls prior to mating. Run checker on All, Beef only or Dairy only females in the herd You can select to receive Inbreeding results You can select or CBV predictions Inbreeding & Pare Eligible or All Females Age Eligible All Breed All Seef Duiry Result inbre Enter AI code or tag Animals that have no sire number of stockbull recorded cannot be run through the Inbreeding Checker. Inbreeding levels of 6.25% or less is deemed acceptable. **Click Submit** Inbreeding Results to run Detailed View **CBV** Predictions allow farmers to view the predicted CBV values of progeny prior to when females are mated to specific sires. View the C for each **CBV** Results You can select to receive CBV predictions for each Disclaimer These results are assume total hated off of the current data t breed type or across Default View on this name (CRV) is hased on Armss Breeds breed types Dairy x Dair Detailed Vie View the star rating or the index figure with this toggle

If "Manually Enter Bulls" is selected on the home screen it takes you to this point. This is where users will directly enter bulls.

Bull Selecto

Select if this bull will be used on cows or heifers.



Manually Enter Bulls

The Straw Allocation screen allows the user to change the percentage usage or the number of straws for each bull depending on the selections made in the Female Selector. The bulls identified for each female category will show on the respective Straw Allocation pages.

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Code	Bull Name	Ste	Dairy Heifer CD%	Dairy Cow CD%	EBI	Rel	Pedigree Status	Proof Source	Allocate Cours
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FREASI	BROWNEY BARNA SRM	FRATT	10	2.4	379	Ð	SRM	65	12.77
FR900	(G)BALLINROE XAAR	1984728	60	2.9	381	30	PED	'ÇŞ	12.77

Run Sire Advice

Add Bull

Buil Code

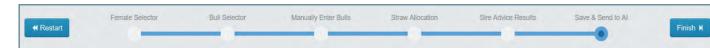


Sire Advice Results

Sire Advice results shows the allocation for each of the cows in your herd. Three dairy matings are proposed for each female and three beef matings if the Dairy Beef Mating function is enabled. If

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807		E191891320807		FR7580 (S)		AA7506	AAB43						
856		E191891370836		For Culling									

an animal was selected for sexed semen, she will receive one dairy sexed mating which is signified by an (S). The "Detailed with Sub Indexes" tab and the "Detailed with Traits" tab both show the expected progeny performance, as a result of the Bull 1 mating. This screen can be converted to Excel, using the Excel button in the top right corner.



Save and Send to AI technician

To have these selection on your Herd Plus Breeding Chart and AI technician's handheld, select "Send Now". Sire advice can be run as many times as you wish and the most recent selection will appear on handhelds and breeding charts.

Please select Send	Now for your size advice selections to be sent to At technicum hundwide and Breeding Chart for onning. Select PDF to view the PDF version of your selection
and results	HAM IN DAR SEE WARRE SERVICE AS RE SENTER OF REALIZING THERE WARREN CLOCKED AND THE REAL AS AND THE ASSAULT AS AND AND ADDRESS A

Top Tip!

Bulls with a higher Beef sub-index will produce higher CBV progeny.

Profit through **Science**



	Inbreeding Table	
6.25%	Two Common Grandparents	
12.5%	Half Brother - Half Sister Mating	
15.5%	Grandfather - Granddaughter Mating	
25%	Full Brother + Full Sister Mating	
25%	Parent - OffSpring Mating	

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Animal Numb	Net .	Eod Date	Treed			Max	Max	Mae
* Animal Number		Date of Birth	Bred			FR6547 (H0)	FR6960 (HO)	FR9271 (H0)
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	1665	JAN-13		HO (941L) FR (81L)		1.54	-	
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Applications



Nitrates Band

This application is available to all dairy farmers to submit their nitrates band to the Department of Agriculture. This will now be a mandatory requirement to be completed annually.



Sales Catalogue

	animals I animals			Select		imals for th	he Catalogue			CONTIN	IUE			to	o proc	eed
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Testimomials

Kevin Flynn, Co. Laois

"At home, I have a pedigree herd of Holstein Friesian cows and the HerdPlus service provides me with a large amount of information at my fingertips. Being able to access pedigree information and more under one umbrella is really beneficial. I can monitor my herd's performance regularly and identify the strengths and weaknesses by analysing important KPI's. The 5 year trend reports really help to visualise the breeding decisions being made and what influence they are having on farm. For me, the sales catalogue feature is crucial when offering surplus females and stock bulls for sale, since it provides potential buyers with the most recent details on my animals. The Milk Recording Lifetime Profile is important to identify the cows that are doing the business for me in terms of kgs of milk solids and SCC. Combing both the genetic information and conformation traits of my animals helps me to breed long-lasting, functional and profitable cows."

James Cotter, Co. Cork



"In reality the ICBF HerdPlus is a tool that helps the farm to be as profitable as possible. Sire Advice allows me to select the highest EBI sires and my highest performing cows to breed from in order to be sustainable and profitable in the future. I find the calving and fertility reports very useful as they assist me greatly during the busy spring period. I have been a participant in the DNA Calf Registration Pilot Programme in recent years. The genomic information I get on all of my animals through this has really increased the value of my herd as I now have a greater insight into the genetic potential of the animals on the farm. The use of ICBF helps me to breed a desirable cow that suits my farming system overall. HerdPlus is an invaluable tool to have available and I would recommend it to other farmers who want to maximise the potential of their farming enterprises through genetics."

Geoffrey McClay, Co. Donegal

"For many years, we have been running a pedigree Holstein Friesians herd and have been availing of the HerdPlus service for as long as I can remember. I signed up to HerdPlus to access the figures and percentages for my herd. There has been steady improvement in the EBI of the cows over the last number of years. I take it as a given that we all have access to the information and reports available from HerdPlus. It is built into the running of my farming enterprise and without it, you are farming in the dark. It is good value for money and the benefits to be got are vitally important to improve the genetics of the animals. I log in to check calving, fertility and milk reports regularly along with the genetic evaluations on my young stock. This allows me to make informed breeding decisions based on reliable data. There is a wealth of information available at the touch of a button and I would strongly recommend HerdPlus to anyone interested in improving the performance of their herd."

Top Tip!

Create a sales catalogue to highlight key sale information on your animals.

Tel: 023 8820452 | www.icbf.com | email: guery@icbf.com





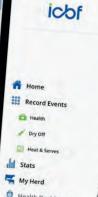




icbf

Try out our new and improved HerdPlus App

Record events and **view** the **latest statistics** for **your herd** all at your fingertips!





Scan the QR code to download for FREE today!

- Instant access to herd statistics
 on calving & fertility, milk recording, etc.
 Record serve, dry-off and
- Record serve, dry-off and health data anytime, anywhere
- Stay tuned for regular improvements to come!

Useful Contact Information

DAFM

Main Switchboard: 057 8674400 Agfood: 049 4368288

I National Calf Registration & Movements

CMMS (Movements): 023 8832890 Calf Reg: 023 8832890 Permits: 023 8832891 or agripermits@capita.com

Milk Recording Organisations

Munster Bovine: 022 70805 Progressive Genetics: 046 9541230 Tipperary Co-op: 062 33111 Dairy Data: 087 6064344

l Other

BVD Helpline: 091 507 648 Animal Health Ireland: 071 9671928 Weatherbys: 045 875521 Bord Bia: 01 6685155