COF

Identifying cows for Dairy AI, Sexed Semen and Beef AI

Teagasc/ ICBF Breeding Week

Dan O' Riordan

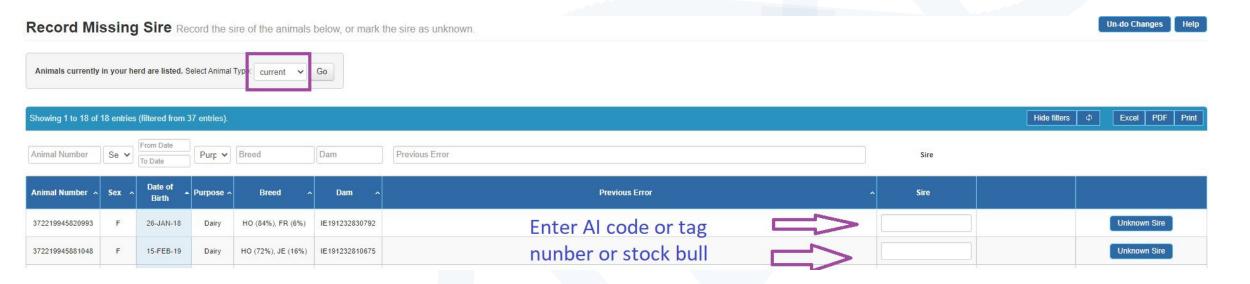
Date: Tuesday March 21st 2023







Basics First-Record Missing Sires



- Update to generate accurate EBI's
- Improve Reports Such as EBI
- Ensures inbreeding checker is valid on both Sire Advice and Al technician Handheld/App
- If not recorded accurately-inbreeding checker is of no benefit



Base Cow

	Milk Kg	Fat Kg	Prot Kg	Fat %	Prot %	Weighting	Calv Int	Sur%
Parity 1	5538	216.3	188.0	3.91	3.39	0.41		
Parity 2	6246	243.7	216.1	3.90	3.46	0.33		
Partiy 3+	6587	258.0	227.1	3.92	3.45	0.26		
Base Cow Performance	6044	236.2	207.5	3.91	3.43	1.00	398.8	85.3

- 6044 milk kgs
- 444 kgs of solids
- 3.91 % fat
- 3.43 protein
- The base for production and fertility is 2005 born cows, calved and milk recorded in 2007, with at least 2 years out of 5 milk recorded. This was updated in December 2017.



EBI Rankings

y and Dual purpose herd	Top 1%	Top 5%	Top 10%	Top 25%	Ave.	Btm 25%	Btm 10%	Btm 5%	8tm 1%
2023 Heifers	€304	€274	€260	€236	€207	€169	€124	€93	€27
2022 Heifers	€291	€259	€244	€222	€194	€157	€112	€80	€10
Cows EBI	€266	€235	€220	€195	€161	€112	€45	€-11	€-120
Herd EBI	€219	€203	€195	€180	€160	€136	€104	€75	€12
Herd Milk	€71	€64	€60	€53	€44	€32	€17	€7	€-9
Herd Fertility	€102	€88	€83	€75	€66	€55	€34	€11	€-28

- If low in EBI....what heifers should I buy or try to breed?
- How do my cows and heifers compare to the average, top 25/10%?



EBI Profile-Who are best in herd

Scorecard (Jan 2023)	My Herd	National Average	Top 10%	Herd % Rank	Star Rating
Herd EBI	€144	€160	€195	40%	****
Milk	€28	€44	€60	29%	****
Fertility	€66	€66	€83	55%	****
Carbon	€9	€7	€14	59%	****
Calving	€20	€28	€37	25%	****
Beef	€0	€-3	€4	64%	****
<u>Maintenance</u>	€15	€13	€20	63%	****
Management	€-1	€1	€3	6%	****
Health	€7	€6	€9	68%	★ ☆

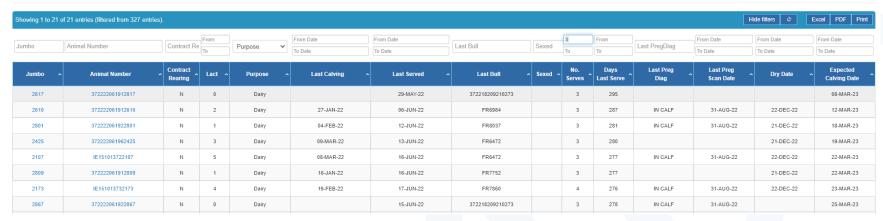
- What cows have an EBI greater that €150?
- Who are best in fertility i.e. €80 or more
- What are the other traits in am looking to improve based on my herd objectives?
- Easy to use From and To Filters available on screen

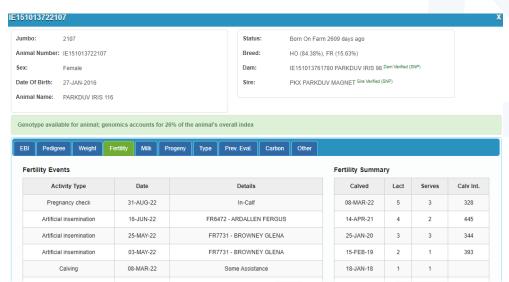




Look Back to Plan Ahead-Fertility Profile

Fertility Profile The fertility of animals currently in the herd.





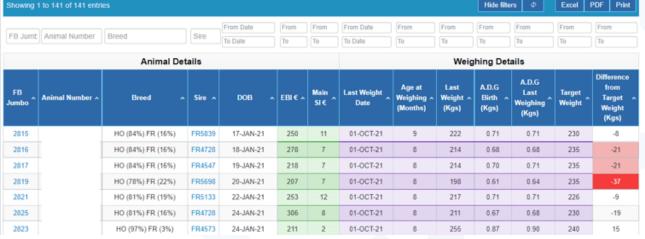
- Who preformed best in 2022- Went in calf to the 1st serve?
- What cows took 3 or more serves to go in calf or not at all
- Calving date information-2023
- Fertility profile will highlight these cows very quickly



Heifers are best-Dairy Weighing Profile?

Dairy Weighing Profile View dairy helfers in the herd with a weight recorded.

Weight Summary of Dairy Replacements									
Groups	No. Weighed	Avg. Age	Avg. Weight (Kg)	Min Weight (Kg)	Max Weight (Kg)	Average Daily Gain (A.D.G) Birth			
3-6 Months									
6-18 Months	56	7.8 mts	202	160	255	.69			
18-24 Months									



- Access a specific animal weight quickly and easily.
- Were heifers housed at target weights when compared to their maintenance sub index?
- Heifers that are not meeting target weights highlighted in red.
- Click on the blue animal number to view even more information on the animal. E.g., Lactation Summary, Fertility, Ancestry data etc.
- View previously recorded liveweights on the animals.
- This profile is also available on the HerdPlus app.

Target Body Weights Guidelines for Dairy Heifers

6 months	30% mature BW
15 months	60% mature BW
24 months	90% mature BW



Carcass Merit Profile

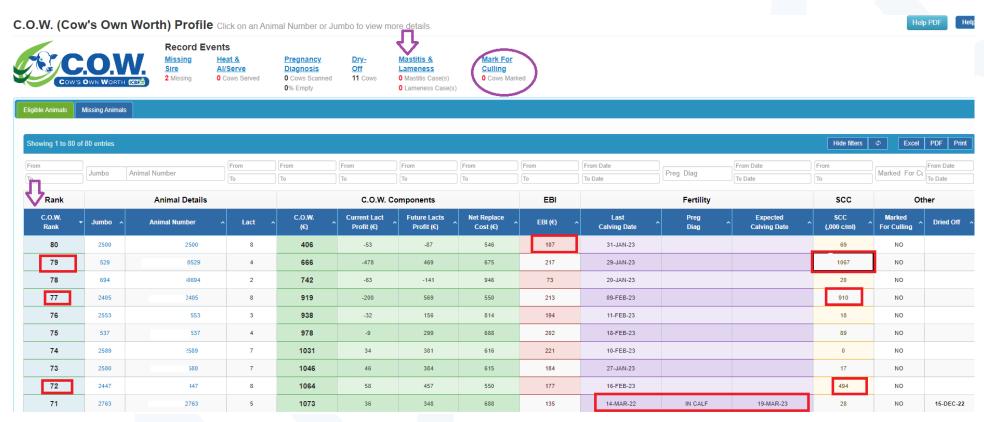
Carcass Merit Profile - View the carcass weight trait values of animals in the herd.

Showing 1 to 33	of 33 entries (filtered from 48 entries).								Hide filters ϕ Excel PDF Print
FB	Tag	01-Jan-2014 31-Dec-2021	Sex 🕶	Breed	Purpose 🔻	Lact	Sire	Geno ✔	From To
FB -	Tag ^	DOB ^	Sex ^	Breed ^	Purpose ^	Lact ^	Sire ^	Geno ^	Carcass Wt Kg ▼
576	372215935460576	11-FEB-20	F	HO (78%), FR (22%)	Dairy	2	FR2239	Υ	2.40
614	372215935420614	21-FEB-21	F	HO (81%), FR (16%)	Dairy		FR4513	Υ	2.30
558	372215935440558	04-MAR-19	F	HO (63%), NR (13%)	Dairy	1	FR2298	Υ	2.00
438	IE141761950438	03-MAR-15	F	HO (81%), FR (16%)	Dairy	4	OCP	Y	0.60
444	IE141761930444	12-MAR-15	F	HO (91%), FR (3%)	Dairy	5	PKR	Υ	0.50
587	372215935490587	25-FEB-20	F	HO (78%), FR (22%)	Dairy	1	FR4338	Υ	0.40
554	372215935490554	02-MAR-19	F	HO (84%), FR (13%)	Dairy	2	LWR	Υ	-0.20
608	372215935440608	18-FEB-21	F	HO (56%), FR (28%)	Dairy	1	FR2239	N	-0.30
518	372215935450518	05-MAR-18	F	HO (75%), FR (16%)	Dairy	2	FR2239	Υ	-0.50
415	IE141761970415	25-MAR-14	F	HO (88%), FR (9%)	Dairy	6	ABO	Υ	-0.70
493	372215935460493	07-MAR-17	F	NR (50%), HO (47%)	Dairy	4	TGK	Υ	-1.30
607	372215935430607	18-FEB-21	F	HO (81%), FR (13%)	Dairy		OPH	Y	-1.30
551	372215935460551	28-FEB-19	F	HO (78%), FR (19%)	Dairy	3	FR2239	Υ	-1.40
588	372215935410588	24-MAR-20	F	HO (53%), NR (25%)	Dairy	2	FR4338	Υ	-1.80
469	IE141761930469	07-MAR-16	F	HO (69%), FR (19%)	Dairy	4	OCP	Y	-2.40

- Review cows in herd with positive and negative carcass values
- How many cows in your herd are positive or negative?



Poor Performers-who are they?



- Use C.O.W for culling-that's what its ranking on screen-Not for Breeding
- C.O.W will highlight poor performers i.e. low EBI, poor SCC or fertility performance



Poor Performers-Milk Recording



- Look at low margin cows on Lifetime Milk Recording Profile
- Look at low kgs/fat/protein or high SCC cows on this profile?

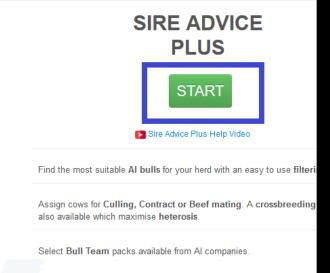


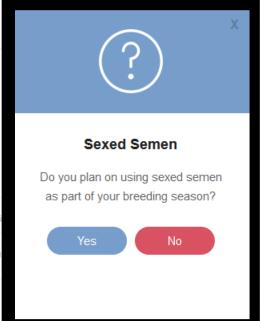
Sire Advice Plus-Female Selection

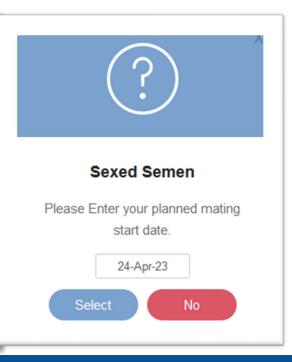
- Use Sire advice Plus for targeted dairy breeding program
- Assign cows for dairy AI (conventional and sexed semen)
- New Sexed Semen option-to go live
- Mark poor performers for Beef Al
- Heterosis option available when selecting cows for cross breeding
- Mark for culling option available
- Selective/Contract mating option



Sire

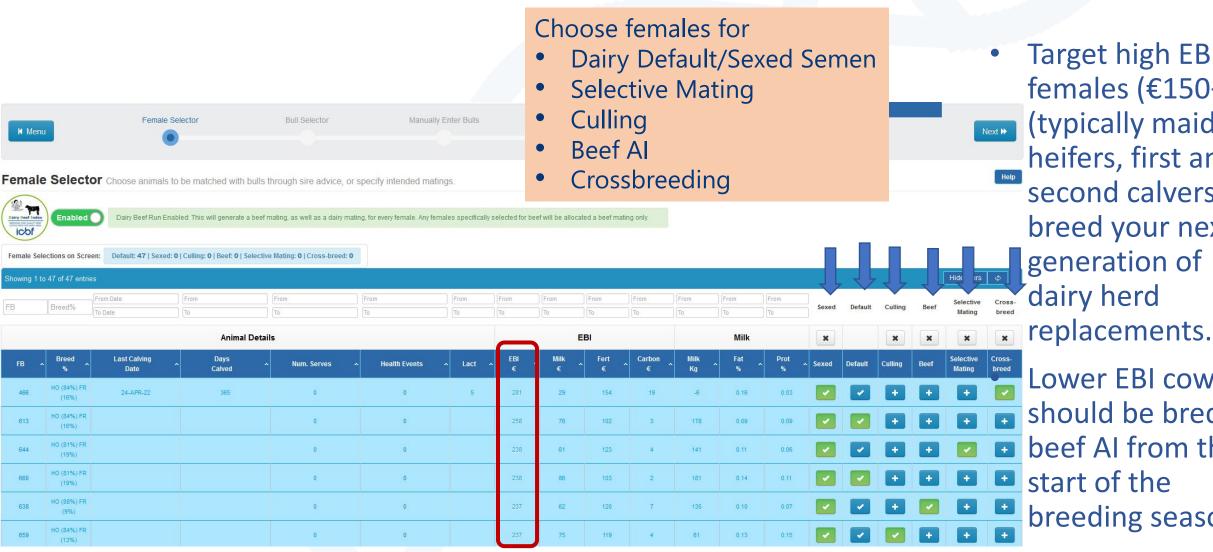








Breed from your highest EBI cows



Target high EBI females (€150+) (typically maiden heifers, first and second calvers) to breed your next generation of

> Lower EBI cows should be bred to beef AI from the breeding season.



Our Farmer & Government Representation







Our Al & Milk Recording Organisations









Our Herdbooks

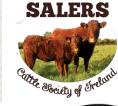
























Norwegian Red Cattle Society



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