



IRISH CATTLE BREEDING FEDERATION

Whole Herd Performance Recording

Whats new for 2019 onwards.....



Pat Donnellan

ICBF & Sheep Ireland
Genetics Conference 2018

Wednesday & Thursday
5th & 6th December
Hodson Bay Hotel,
Athlone



'Sustainable Farming –
Progress through Genetics'



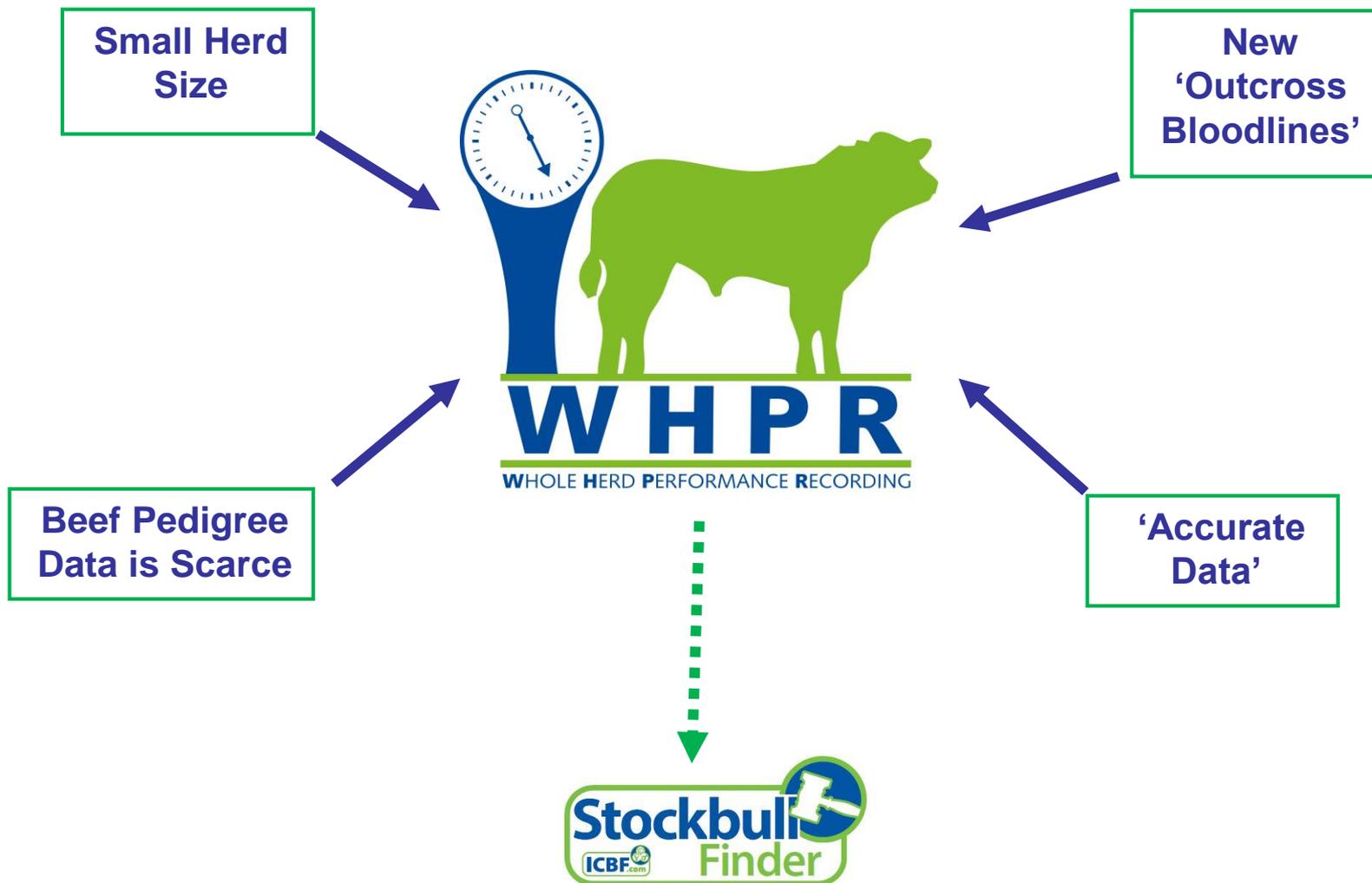
Department of
**Agriculture,
Food and the Marine**

An Roinn
**Talmhaíochta,
Bia agus Mara**

Overview

- **WHPR – Why & How**
- **Progress to-date**
- **Plans for 2019 onwards**

WHPR – Why & How



Why & How – Scarce Data



- In 2017: 38,500 ped beef calves were sired by 4,500 Sires = 1:9 ratio
- Critical that as much data as possible is gathered on pedigree animals.
- For certain Sires (Outcross, limited semen) we will have very few opportunities to collect data on their progeny.

Why & How – Scarce Data



Cow Liveweight	MJ/day	% increase
600 kgs	121	0%
650 kgs	129	6%
700 kgs	136	12%
750 kgs	143	18%
800 kgs	150	24%
850 kgs	157	30%
900 kgs	164	36%
950 kgs	171	41%

• Cow Weight Data

• 39% of the Replacement Index are 'Beef Traits'.

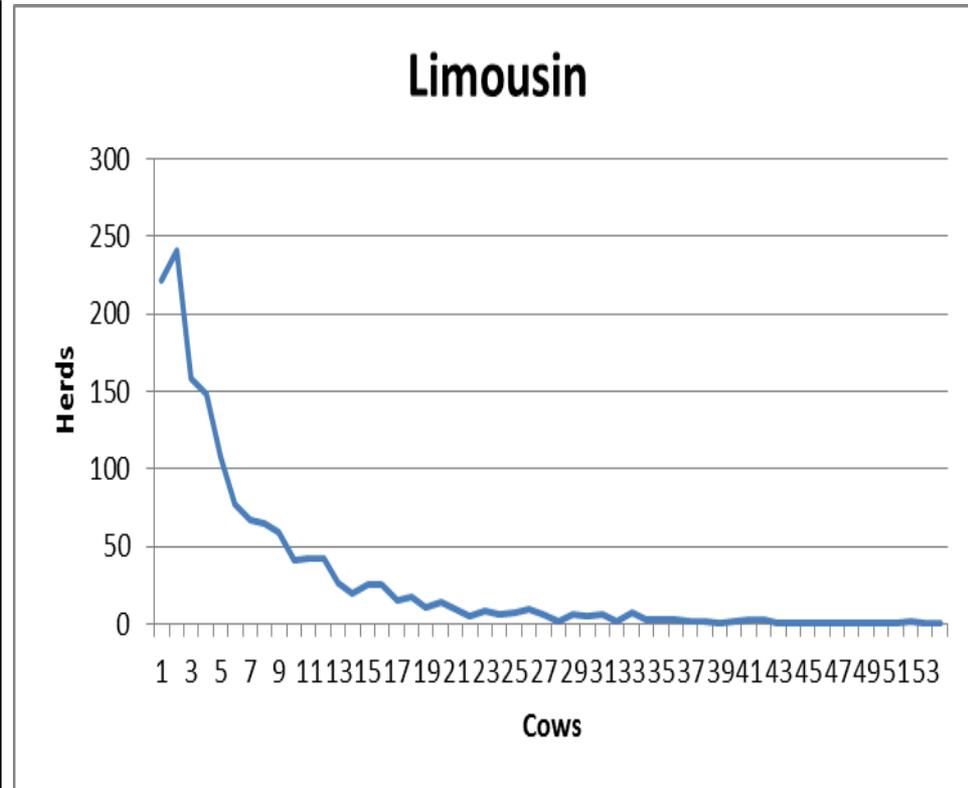
• 18% of these are related to the Cow/calf size/efficiency ratio.

• Trial on pedigree Charolais cows in France by INRA showed that:

‘The larger the cow, of any breed, the greater her energy needs’.

Why & How – Herd Size

Ped LM Cows	Herds	Ped LM Cows	Herds	Ped LM Cows	Herds
1	222	19	11	37	2
2	241	20	14	38	2
3	159	21	10	39	1
4	149	22	5	40	2
5	108	23	9	42	3
6	77	24	6	44	3
7	67	25	7	45	1
8	65	26	10	46	1
9	59	27	6	47	1
10	41	28	2	48	1
11	42	29	6	49	1
12	43	30	5	54	1
13	27	31	6	55	1
14	20	32	2	59	1
15	25	33	7	69	1
16	26	34	3	84	2
17	15	35	3	94	1
18	18	36	3	103	1



- **57%** of pedigree Limousin Breeders have less than **5** pedigree Limousin cows.
- **38%** of pedigree Limousin Breeders have **5-16** pedigree Limousin cows.
- **5%** of pedigree Limousin Breeders have more than **16** pedigree Limousin cows.

Why & How – Accurate Data



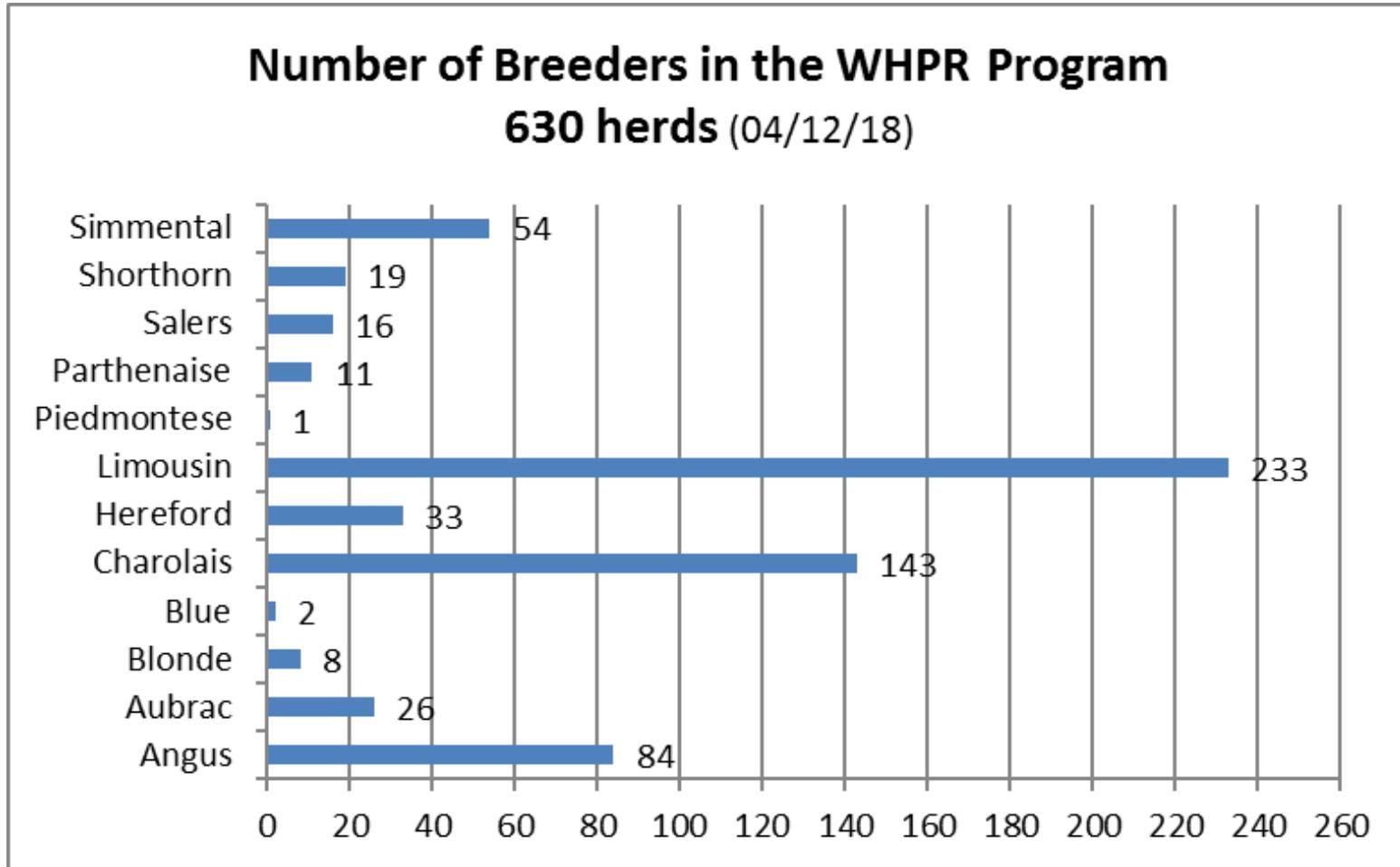
- Insemination Dates
- Dates of Birth
- Growth Rates
- Contemporary Groups
- C-Sections
- Foster Rearing

Why & How – The Process

- Calves, Heifers, Bulls & Cows inspected
- Average cost of €100-€200, once per year

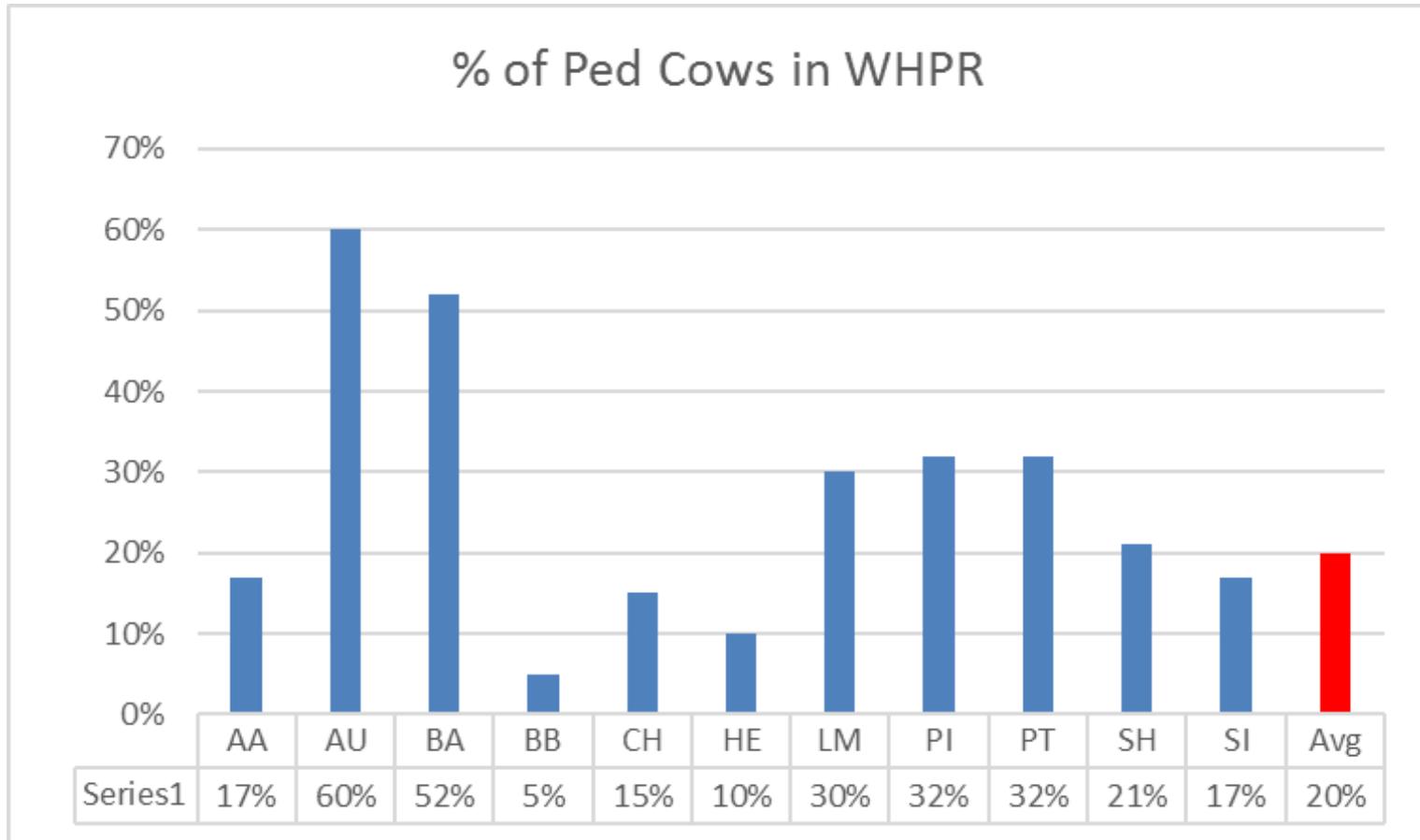


Progress to-Date



- **630 pedigree herds participating in the WHPR program**
- **40%** (1600 beef pedigree herds in Herdplus & BDGP).

Progress to-Date



- **Average of 20% of Beef Pedigree Cows in the WHPR program.**
- **No cows were weighed in the old scoring program.**
- **Need to initially get this average up over 50%.**

Plans for 2019 onwards...

- Increase Stockbull Finder Awareness (App)
- New post visit report
- Genotyping in WHPR Herds
- Planned Matings
- Female Sales section
- Sales stamp

Stockbull Finder

Stock Bull Finder

Help

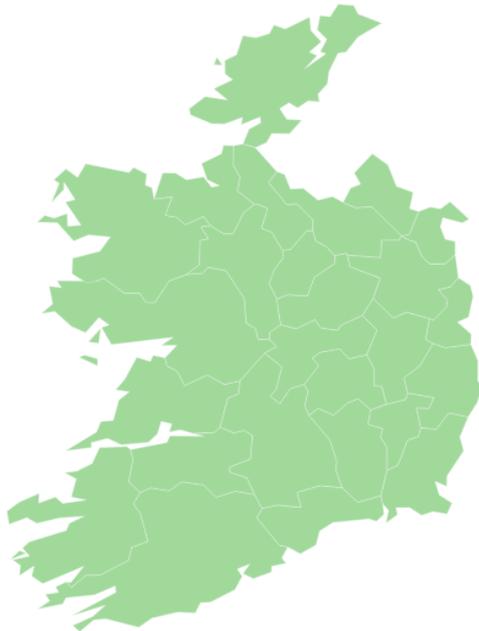


[Click here](#) or scroll down to see your search results

Region

Click on counties to limit your search to those counties

Select all



Breed

Limousin

Charolais

Angus

Hereford

Simmental

Aubrac

Salers

Blonde d'Aquitaine

Shorthorn

Belgian Blue

Parthenaise

Piedmontese

Search by Tag Number

Animal ID

Replacement Index

(Across Breed)



To

5

From

1

Terminal Index

(Across Breed)



To

5

From

1



Attention Pedigree Beef Breeders

Get your bull into the "Bull Finder" by booking your "Whole Herd" Performance Recording visit with ICBF today!

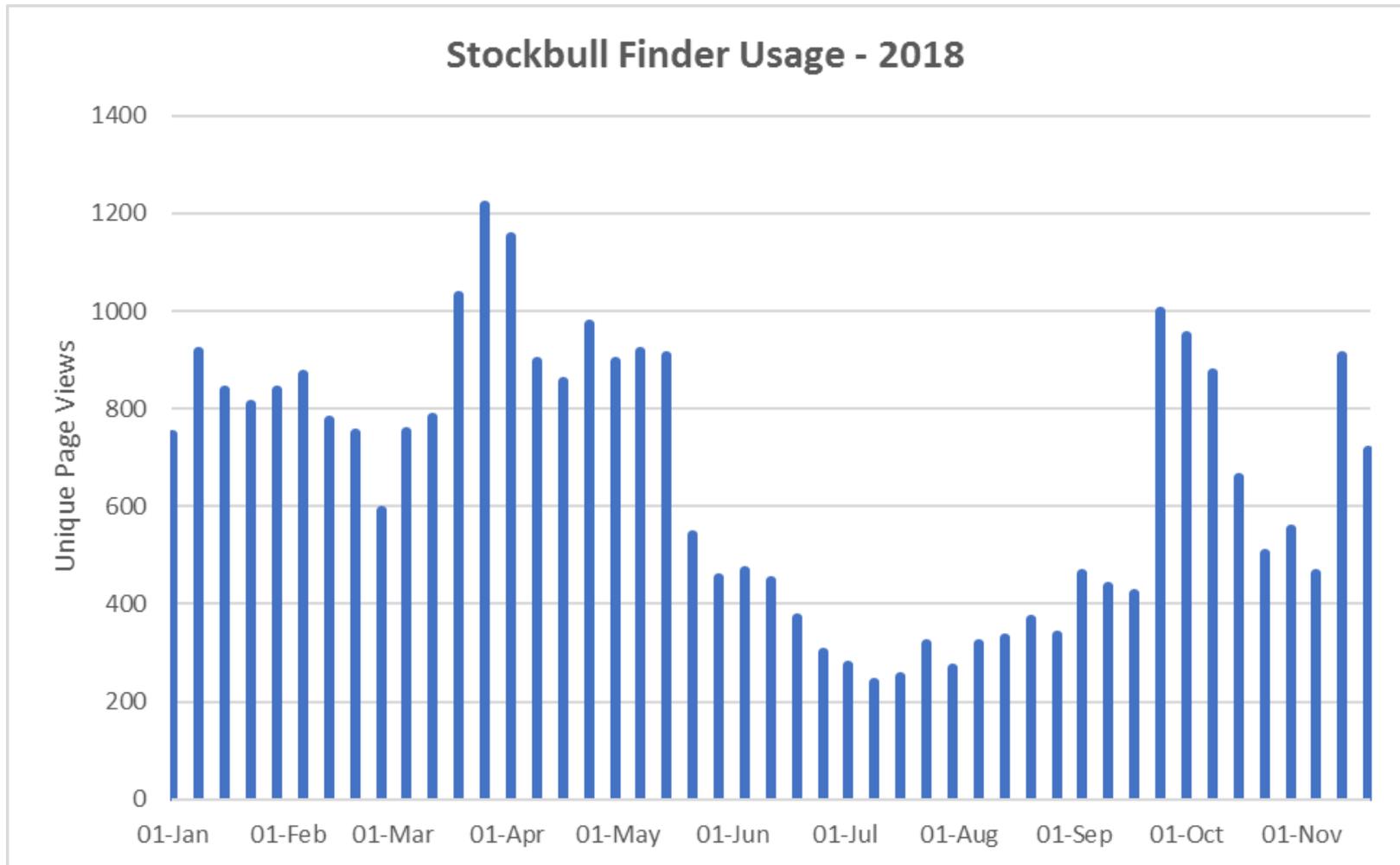
Phone 023-8820452 or Email whpr@icbf.com.

For a Bull to be displayed below it must be in a 'Herdplus' herd that has had its ICBF WHPR visit in the last 12 months.

The Bull must be 10 months – 3 years old & have been at least weighed by ICBF.

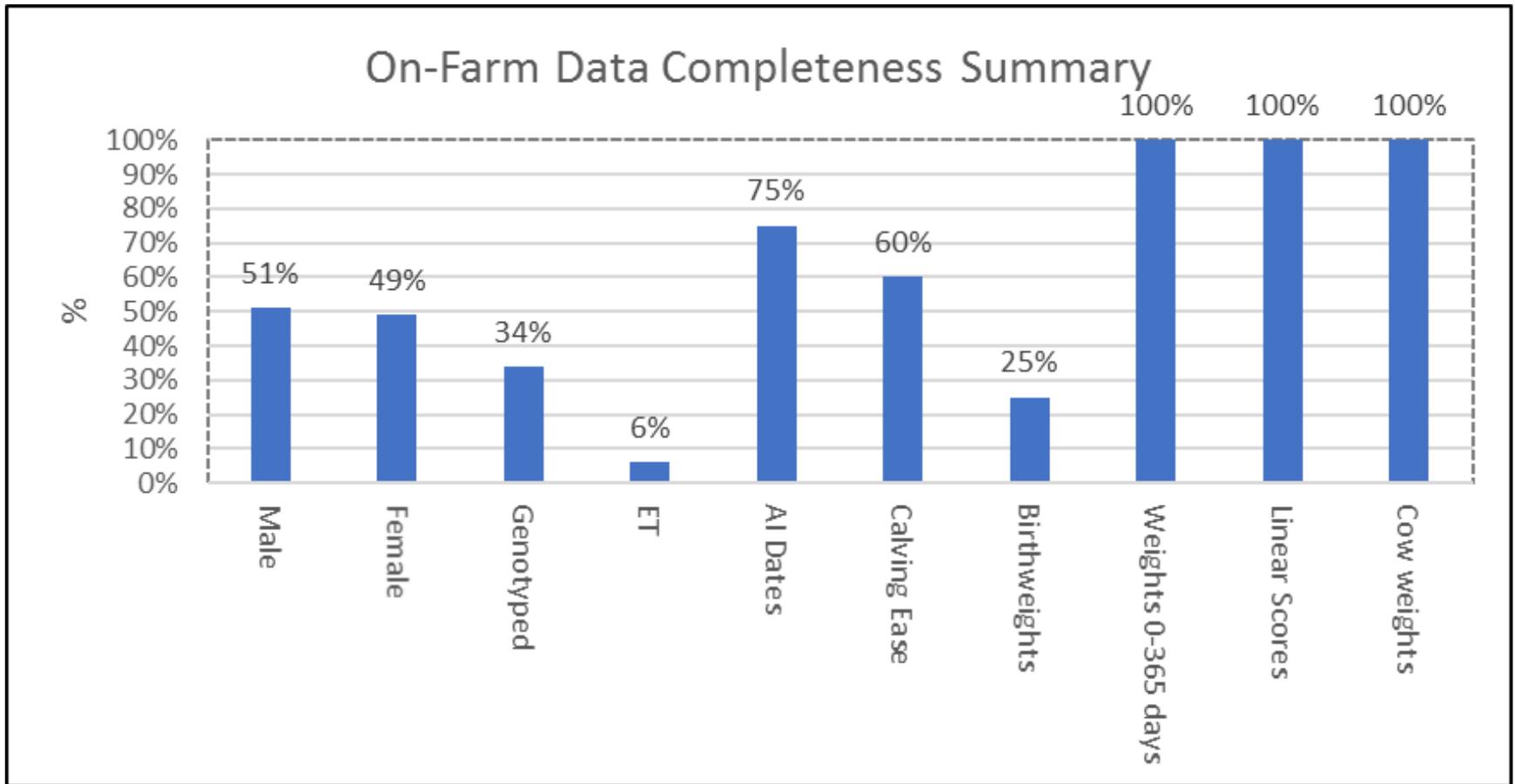
- Young Bulls are automatically advertised for sale after a WHPR visit.
- Further promotion – Breed Soc Websites & 'Stockbull Finder App'.

Stockbull Finder



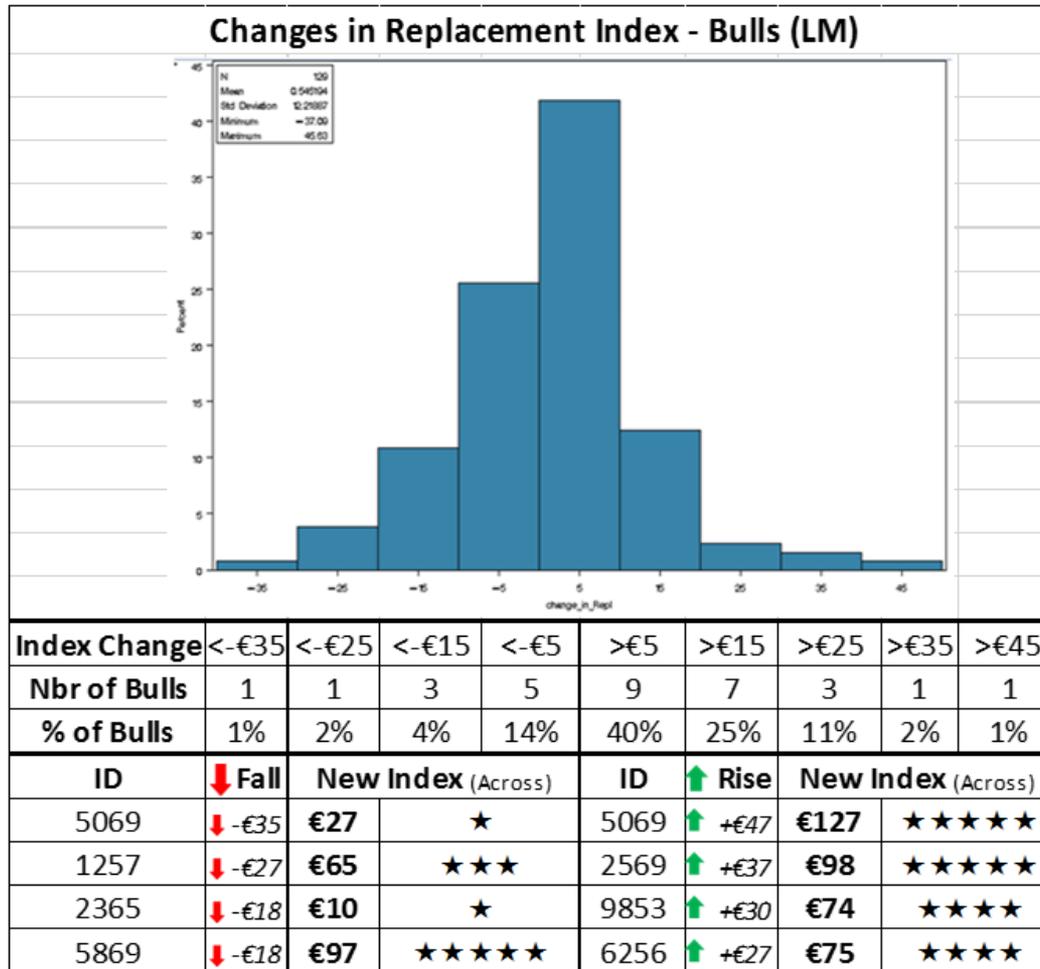
- On average, the Stockbull Finder gets 1000 hits/week.
- 70% of people are return visitors.

New Post Visit Report



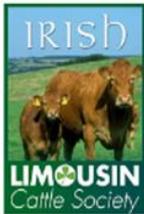
- Clearly show the level of data recording taking place in the herd.

New Post Visit Report



- Clearly show what animals rose and fell in Index
- Repeated for all categories of pedigrees; Sires, Cows, Heifers, Bulls

Genotyping in WHPR Herds



479 selected out of 1,069 records

[Reset All](#)

Showing 250 records sorted by Replacement Index. [Click to download Excel file.](#)

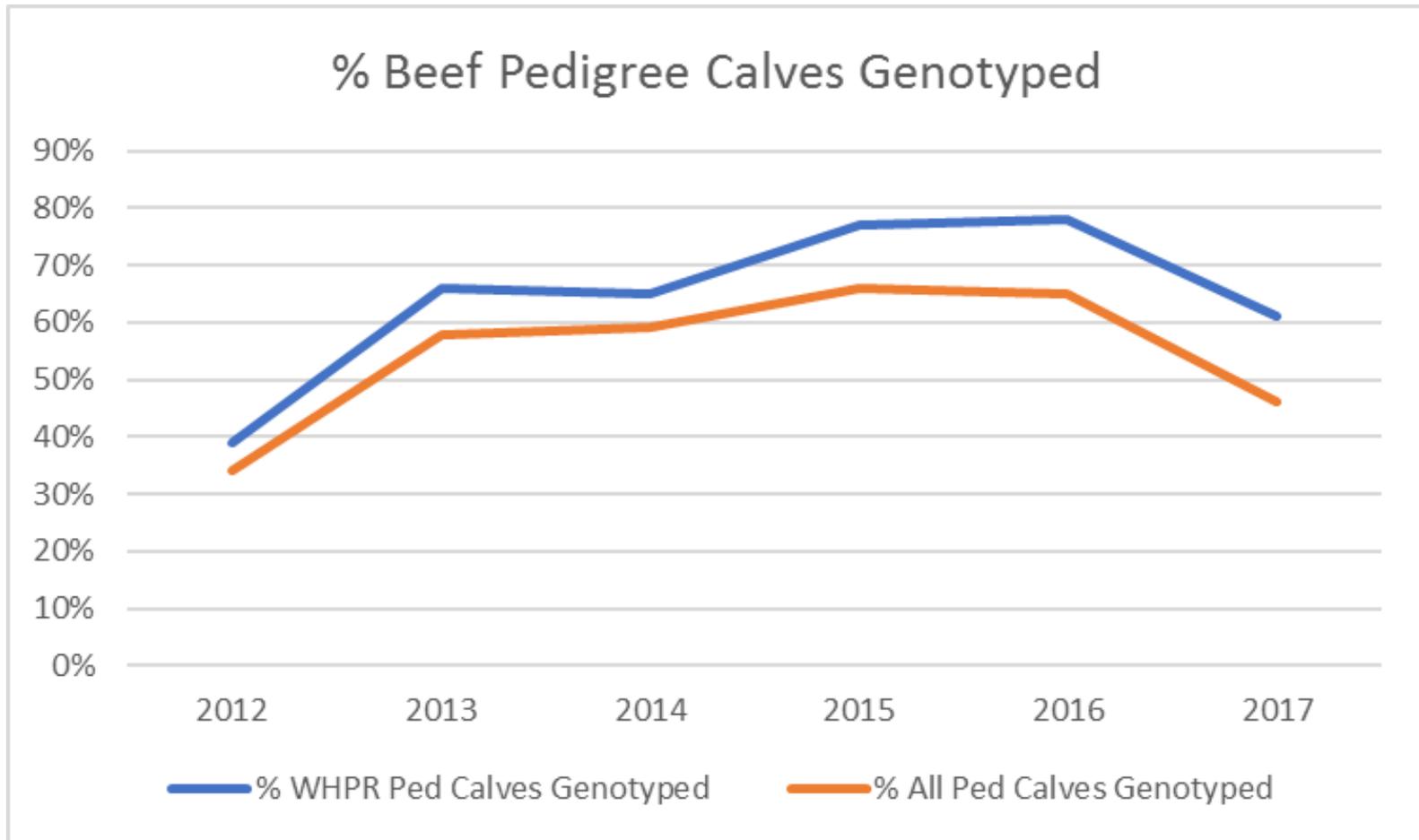
[Click on "DOB", "Stars Across", or "Genomic Eval."](#) to sort table by these columns.

Your search narrowed to Limousin Bulls.

Bull Details				Replacement Index		Terminal Index		Weight	Genomic Eval.	Owner	Comments	Photo
Tag	Breed	DOB	Sire	€	Stars Across	€	Stars Across					
IE1234531169	Limousin	29-APR-16	F163	€176	★★★★★	€145	★★★★★	Show	NO	John Murphy		
IE1234510372	Limousin	17-MAY-16	RKH	€170	★★★★★	€115	★★★★	Show	NO	John Murphy		
IE1234580803	Limousin	20-OCT-15	AGB	€169	★★★★★	€150	★★★★★	Show	YES	John Murphy		
IE1234571164	Limousin	11-APR-16	F163	€164	★★★★★	€137	★★★★★	Show	NO	John Murphy		
IE1234530597	Limousin	12-SEP-15	S1421	€161	★★★★★	€179	★★★★★	Show	YES	John Murphy		
IE1234531152	Limousin	13-MAR-16	IE281673710086	€160	★★★★★	€144	★★★★★	Show	YES	John Murphy		
IE1234521355	Limousin	08-SEP-15	S1421	€159	★★★★★	€178	★★★★★	Show	YES	John Murphy		
IE1234581157	Limousin	23-MAR-16	S2106	€157	★★★★★	€172	★★★★★	Show	YES	John Murphy		
IE1234591166	Limousin	14-APR-16	F163	€155	★★★★★	€142	★★★★★	Show	NO	John Murphy		
IE1234551179	Limousin	01-AUG-16	S1652	€153	★★★★★	€146	★★★★★	Show	NO	John Murphy		
IE1234530255	Limousin	04-MAY-16	EFZ	€152	★★★★★	€121	★★★★	Show	NO	John Murphy		
IE1234530717	Limousin	20-APR-16	IE121133220406	€151	★★★★★	€171	★★★★★	Show	YES	John Murphy		
IE1234570529	Limousin	17-NOV-15	IE231230620535	€147	★★★★★	€137	★★★★★	Show	NO	John Murphy		

- Whether a bull has his genotype included in his evaluation is displayed.

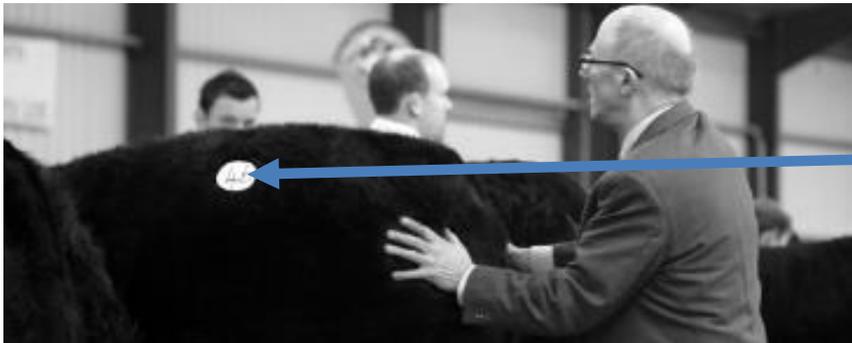
Genotyping in WHPR Herds



- We need to increase the number of genotyped animals in WHPR herds.

Other Developments

- **Planned Matings:**
 - Target high indexed cows with ‘suggested matings’.
 - Result in group of higher indexed bulls for possible Gene Ireland selection.
- **Female Sales section**
 - Equivalent to ‘Stockbull Finder’.
 - If Breeder’s want to put females up for sale.
- **Sale Stamp**
 - Draw attention to animals from WHPR herds.



Summary

- **WHPR program has made:**
 - The on-farm collection of data on pedigree animals more efficient from an operational viewpoint.
 - The data more useable from a genetic evaluations point of view.
 - The program more appealing to take part in from a Pedigree Breeder's point of view
- **The Pedigree Breeder is key to the success of the program**
 - We must focus on getting as much 'Value Add' built in for the Pedigree Breeder as possible.
 - Stockbull Finder
 - Post Visit Report
 - Genotyping
 - Planned Matings
 - Female Sales Section
 - Sale Stamp



Our Farmer & Government Representation



Our AI & Milk Recording Organisations



Our Herdbooks



Acknowledging Our Members