



ICBF Active *Spring* 2016 Dairy Bull List

Active Bull List Spring 2016

Introduction

The EBI details of the 75 bulls on the list are based on the December 2015 genetic evaluations computed by ICBF. Semen from all of the Bulls has been indicated as being available by the various AI Companies, hence the term 'Active' Bull List.

The criteria for making the list are as follows:

- Bull is approved for 'Widespread Use'.
- EBI's with reliabilities greater than or equal to 35%.
- Calving difficulty evaluations with reliabilities greater than or equal to 70% and at least 50 calving records either in Ireland or in the country of origin of the bull.

2016 List – Analysed

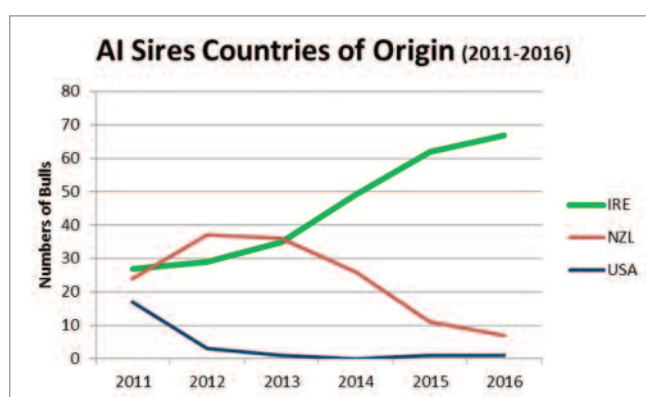
2016 is the 16th year that ICBF has published the Spring Active Bull List. This year there are now 67 Irish bred Bulls on the list. This means that almost 90% of the bulls on our national Dairy Bull list were bred here in Ireland.

This wasn't always the case. In 2001 there were just 2 Bulls on the list bred here in Ireland. Holland, France, New Zealand & America have generally been where most of the Bulls on the list have come from. This trend started to change around 2009 when the first of the Gene Ireland Irish progeny tested bulls started to come through. This year's list is made up of 72 Holstein/Friesian Bulls and 3 Jersey bulls.

The 75 Bulls have breeding values for EBI and the 7 Sub-Indices together with trait information on 10 Key Profit Traits. None of the Bulls on the list are carriers of genetic defects e.g CVM or BLAD.

The following table shows the trends in the countries of origins for Bulls in the top Bull Lists over the past 16 years.

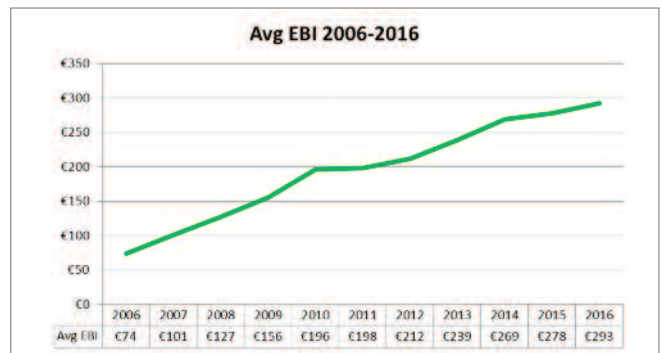
AI Sire Country of Origin Trend 2001 - 2016							
	IRE	NZL	USA	NLD	DNK	GBR	NOR
2001	2	2	13	27	-	-	-
2002	2	16	11	24	-	-	-
2003	1	26	6	16	-	-	-
2004	1	39	3	19	-	-	-
2005	0	25	2	35	-	-	-
2006	0	21	4	36	-	-	-
2007	1	22	7	22	-	-	-
2008	10	22	11	14	-	-	-
2009	33	17	10	3	-	-	-
2010	27	11	20	6	-	-	-
2011	27	24	17	3	-	-	-
2012	29	37	3	0	-	2	3
2013	35	36	1	1	-	-	1
2014	49	26	-	-	-	-	-
2015	62	11	1	-	1	-	-
2016	67	7	1	-	-	-	-



Graph1: Country of Origin trend (2011-2016)

Table 1: Main Bull Countries of Origin Trends 2001 - 2016

EBI Trend 2001 – 2016			
Year	Avg EBI	Year	Avg EBI
2001	€57	2009	€156
2002	€59	2010	€196
2003	€64	2011	€198
2004	€77	2012	€212
2005	€76	2013	€239
2006	€74	2014	€269
2007	€101	2015	€278
2008	€127	2016	€293



Graph 1: EBI Trendline (2006-2016)

Average of Proofs for Top 75 Active Bulls (2011 - 2016)																		
	EBI		EBI & Proof Details							Key Profit Traits								
	EBI	Rel%	Milk	Fert	Calv	Beef	Maint	Mgmt	Hlth	M kg	F kg	P kg	F %	P %	CI	SU%	CD%	M.Time (secs)
Spring 2011	€198	57%	€77	€103	€27	-€19	€8	-	€2	232	15.6	13.1	0.13	0.10	-5.2	3.4	2.0	-
Spring 2012	€212	55%	€71	€123	€23	-€26	€20	-	€0	94	15.1	10.2	0.22	0.14	-7.0	3.4	2.1	-
Spring 2013	€239	56%	€68	€127	€37	-€20	€23	€3	€1	47	14.2	9.3	0.24	0.15	-7.1	3.6	1.8	-5.3
Spring 2014	€269	56%	€77	€148	€36	-€14	€20	€4	-€1	88	15.1	10.4	0.22	0.15	-8.0	4.0	1.9	-2.67
Spring 2015	€278	59%	€80	€160	€37	-€17	€16	€3	-€1	91	15.7	10.8	0.23	0.15	-8.7	4.3	2.1	-1.24
Spring 2016	€293	60%	€87	€164	€40	-€14	€14	€3	-€1	106	15.9	12.0	0.22	0.16	-9.0	4.3	2.2	-0.9

Table 2: Comparison of average of proofs for top 75 Active Dairy Bulls 2011-2016.

EBI Trends

The 75 Bulls on the list have an average EBI of €293. The Bulls EBI's on the list range from €365 down to €268. 73% of the Bulls on the list are Genomic Bulls with the remainder being Daughter Proven either here in Ireland (20%) or from abroad (7%) (See Table 3).

The Bulls which are ranked highest for each type of proof on the list are listed in table 4 below:

Bull Proof Types 2012 – 2016			
	'DP-IRL' Bulls	'DP-INT' Bulls	'GS Bulls'
Spring 2012	14	28	33
Spring 2013	18	22	35
Spring 2014	12	11	52
Spring 2015	11	4	60
Spring 2016	15	5	55

Table 3: Numbers of Bulls in the various categories of proof types in recent Active Bull Lists.

Table 4: Highest ranked Bulls for each proof category.

Official ICBF 'Number 1' List – Spring 2016						
Category	Code	Name	Owner	EBI	Rel %	Proof
Number 1 Genomically Selected 'Active' Dairy AI Sire	YKG	IMLEACH LUCKY GLOSS	Eurogene/LIC	€359	47%	GS
Number 1 Irish Daughter Proven 'Active' Dairy AI Sire	WLY	IMLEACH LUCKY WHISTLER	Eurogene/LIC	€365	67%	DP-IRL
Number 1 International Daughter Proven 'Active' Dairy AI Sire	APY	ARRIETA NOMAD	Eurogene/LIC	€289	68%	DP-INT



Muritai APP Whistler - Sire of 'WLY' (Imleach Lucky Whistler) – the number 1 bull on the list and also the number 1 'Irish Daughter Proven' AI Sire (Eurogene/LIC).



Arrieta Nomad – the number 1 'International Daughter Proven' AI Sire (Eurogene/LIC).

Important Advice

It is important to note the source of a Bull's proof when choosing sires from the list. A Bull may have received his proof based on data recorded on his own daughters performance (Milk Records, Calving Fertility & Health data). Or he may be a 'Genomically Selected' Bull. 'Genomically Selected' means that the Bull's DNA profile has been analysed and the figures that you see are based on those findings. Farmers should pay particular attention to the 'Reliability' of a Bull's proof. In order to be able to balance the risk of using a Bull with low reliability together with the tremendous genetic gains that could be achieved by using such a Bull: **Farmers are strongly urged to use a minimum of 5 AI bulls from the list.**



Pat Donnellan, ICBF

What Bulls should I pick from the List?

There are many answers to this question but 4 simple tips that will help you pick the right Sires for your herd are the following;

1. Identify which EBI Sub-Indices your herd is low in. This Herd Sub-Index information is available on the Herdplus EBI report that ICBF generates for every herd that is signed up to Herdplus (1850 600 900).
2. Pick an initial panel of Bulls that are strong in the Sub-Indices that your herd is weak in.
3. Refine your list of Bulls taking other factors into account e.g ; Calving Ease, Inbreeding, Price, Availability.
4. Finalise your team of Bulls by picking at least 5 Bulls to use in equal amounts across your herd. The **ICBF Sire Advice program (1850 600 900)** can complete this step for you and also allocate the chosen Bulls to your cows in such a way that inbreeding is avoided.

Availability of List

The 2016 Active Bull List is available on the ICBF Website (www.icbf.com). This list shows the top 75 Active AI Sires. The total list of Active AI Sires together with their Supplier, Availability & Price details is also available at the above website.



Guide to reading the Table

Bull Details

Rank, AI Code, Name, Sire, Breed, Status in Herdbook & Holstein %. Ped; Full Pedigree Registered animal. SRM; Supplementary registered male in the IHFA Herdbook. Male progeny of these bulls will also be supplementary registered 'SRM'. Female progeny will be given the 'ASR' registration status. An 'XSR' or blank status field indicates that the bull has no pedigree registration status.

EBI Details

EBI, Economic Breeding Index (€); Indicates the profit/lactation expected for a bull's progeny compared to an average animal. **Rel%**; Reliability of EBI proof. This indicates the level of confidence that someone can have in the proof. The higher this value, the more reliable the proof. **Proof**; The status of the Bull proof. **DP-IRL**; Daughter Proven based on milk recorded daughters in Ireland. **DP-INT**; Daughter Proven, based on foreign milk recorded daughters. **GS**; Genomically Selected – which are bulls that have their own calving difficulty proof but have no milking daughters in their production proof yet.

EBI Sub Indices

Milk, Fertility, Calving, Beef, Maintenance, Management & Health; Sub Indices of the overall EBI. Added together these give the overall EBI figure.

Key Profit Traits

M Kg Predicted Difference (PD) for milk yield. If the average 'Milk Kgs' of the team of Bulls being used is greater than the average 'Milk Kgs' of the cows they are being mated to, then the average milk yield of the herd will increase. Positive values for **F Kg** (Fat Kg), **P Kg** (Protein Kg), **F %** (Fat %), **P %** (Protein %) will also increase each of the constituent traits in the same manner. **CI** = Calving Interval (Days). Bulls with negative values for CI will reduce calving interval. **SU** = Survival %. Bulls with positive values will increase survival (longevity/herdlife).

Calving

CD%; Calving Difficulty. Increasing % CD indicates increased incidence of difficult calvings e.g. % CD of 5% means that 5% of a Bull's calves will result in difficult calvings.

CD Rel %

Calving Difficulty Reliability % indicates how reliable a bull's calving difficulty % figure is. The higher the figure – the more calvings across multiple herds that are included in the bull's calving evaluation. This field is a new addition to this list.

Milking Time

This gives an indication as whether daughters of a Bull are slow or quick milkers. Negative values are desired – indicating that daughters take less time to be milked. Milking time is measured in seconds per milking. It is important to note that milking time has been adjusted for milk yield, so its not penalizing bulls with high volumes of milk. E.g. if a bull's daughters take on average 10 seconds longer per milking, that translates into an extra 1hr and 40 mins per daughter spent in the parlour over a 305 day lactation.

Semen Details

Price, availability and supplier details of each bull are also included. **L** = 2000-4000 straws available. **M** = 4000 – 6,000, **H** = >6,000 straws available. All AI Organisations have provided semen inventory details for all of their bulls. That said, it will be difficult to obtain large quantities of high ranking Bulls with 'Low' availability. Bulls that have sexed semen available are indicated on the list with an asterisk beside their straw price.

Bull Details							EBI Details			EBI Sub			
Rk	Code	Name of Bull	Sire	Breed	Status	HO%	EBI	Rel%	Proof	Milk	Fert	Calv	Be
1	WLY	IMLEACH LUCKY WHISTLER	MWH	HO	SRM	63	€365	67%	DP-IRL	€104	€202	€50	-€1
2	YKG	IMLEACH LUCKY GLOSS	WLY	HO	SRM	63	€359	47%	GS	€95	€229	€43	-€1
3	LWR	(IG) LONGVIEW RELIABLE	ABO	HO	PED	75	€352	50%	GS	€130	€178	€45	-€1
4	GZY	GADDAGH CUDDY REEKS	LHZ	HO	PED	81	€338	55%	GS	€109	€214	€16	-€1
5	SEW	SEAROAD AWS PAMELA 1	AWS	HO	PED	84	€332	58%	GS	€107	€171	€54	-€1
6	YKZ	BALLYMADDOCK LHZ TIMOTHY	LHZ	HO	PED	91	€328	57%	GS	€89	€196	€39	-€1
7	PCZ	(IG) CONNIBAR PRINCE	MSF	HO	SRM	78	€327	51%	GS	€141	€143	€33	-€1
8	PHC	(IG) CURRIHEVERN RUDOLPH	LHZ	HO	PED	84	€325	56%	GS	€93	€197	€35	-€1
9	HZB	(IG) BALLYDEJOB PAT 1356	PKK	HO	PED	100	€324	64%	GS	€93	€185	€39	-€1
10	YAD	(IG) DIAMOND ANDY	MSF	HO	SRM	66	€322	57%	GS	€125	€161	€31	-€1
11	BJC	(IG) BOHERCASS COMET	LRW	HO	SRM	59	€321	53%	GS	€90	€177	€55	-€2
12	YKA	(IG) ARDKYLE MOUNT EVERET	LHZ	HO	SRM	75	€318	55%	GS	€101	€172	€47	-€1
13	ZOL	MR NUMERO UNO ST-LOUIS-ET	S1233	HO	PED	100	€314	56%	GS	€85	€186	€24	-€1
14	ZDL	(IG) DUNLARA MANDELLA	LHZ	HO	PED	81	€310	50%	GS	€82	€178	€35	-€1
15	FYK	(IG) FINNVALLEY KASPER	LHZ	HO	PED	91	€310	55%	GS	€93	€169	€40	-€1
16	FJM	DOONMANAGH HMY MOSSY	HMY	HO	PED	94	€310	56%	GS	€101	€147	€54	-€1
17	AZG	DEANGROVE ARGENT	HZS	HO	SRM	72	€309	64%	GS	€99	€149	€46	-€1
18	YBG	BALLYGOWN SOK MILEY	SOK	FR	PED	47	€309	56%	GS	€108	€136	€58	-€1
19	KZK	(IG) CAHERDERG LOCKIE	LRW	HO	SRM	78	€309	58%	GS	€70	€181	€52	-€1
20	YRY	RADNEY LEVI 5	MWL	HO	PED	97	€304	59%	GS	€102	€155	€45	-€1
21	AGH	AGHAWADDA ARTHUR	BOB	HO	PED	78	€303	57%	GS	€123	€150	€28	-€1
22	ZCK	CASTLELAKE I-CON	TJF	HO	SRM	97	€302	54%	GS	€74	€190	€30	-€1
23	RNO	(IG) RONNOCO EVERAND	LHZ	HO	PED	81	€302	55%	GS	€78	€179	€43	-€1
24	DBW	DOONMANAGH DSU BOWSER	DSU	HO	PED	75	€302	58%	GS	€80	€182	€33	-€1
25	KZY	COOKSTOWN BUDDY	HFT	HO	SRM	59	€301	59%	GS	€56	€208	€44	-€1
26	JBF	(IG) BAILERI JASPER	TJF	HO	SRM	97	€300	53%	GS	€102	€140	€48	-€1
27	OET	(IG) OLDCASTLETON EARNEST	LHZ	HO	PED	94	€296	60%	GS	€78	€173	€42	-€1
28	RFJ	(IG) RHINCRUE COOL FAIRGALT 1	NFT	HO	PED	75	€294	56%	GS	€65	€168	€55	-€1
29	JRE	GURTATREA JR EVEREST	LHZ	HO	PED	84	€291	56%	GS	€106	€159	€25	-€1
30	UMG	(IG) MOGEHA ULTAN	SOK	HO	SRM	69	€291	65%	DP-IRL	€63	€180	€35	-€1
31	PKX	PARKDUV MAGNET	SOK	HO	PED	81	€290	63%	GS	€104	€139	€44	-€1
32	APY	ARRIETA NOMAD	P FROSTMAN S1F	FR	SRM	25	€289	68%	DP-INT	€78	€163	€40	-€1
33	FZC	CASTLEBLAGH RUTHLESS	LHZ	HO	PED	91	€289	55%	GS	€96	€145	€42	-€1
34	RBH	(IG) SRUTHAN ROBERTO	HYZ	HO	SRM	63	€288	59%	GS	€81	€182	€38	-€1
35	OZG	(IG) COOLMOHAN GENNAUTICAL	B NAUTICAL 19	FR	PED	19	€288	43%	GS	€21	€214	€46	-€1
36	FLG	GARRENDENNY LUCIFER	WGM	HO	SRM	66	€288	54%	GS	€76	€171	€38	-€1
37	WTC	CLOUNTIES WINTER	GVV	HO	SRM	56	€287	58%	GS	€55	€215	€28	-€1
38	MKK	(IG) MOOREPARK LARRY	TZD	HO	PED	78	€287	85%	DP-IRL	€50	€167	€57	-€1
39	PRW	BALLYBRIDE PRINCE	IRP	HO	PED	72	€287	62%	GS	€79	€182	€41	-€1
40	CUW	CURRA ALLSTAR	SVB	HO	PED	63	€286	79%	DP-IRL	€51	€180	€50	-€1
41	HYI	(IG) CAHERADERRY HARRY	HYZ	HO	SRM	53	€286	54%	GS	€109	€146	€41	-€1
42	BJS	(IG) BREANSHAMORE JERONIMO	HYZ	HO	SRM	66	€285	55%	GS	€96	€148	€33	-€1
43	PSQ	PRIESTS SOLARIS-ET	I RAMROD	JE		19	€285	93%	DP-IRL	€86	€115	€54	-€1
44	YGD	(IG) CASTLEBLAGH GARNDY	GVV	HO	PED	72	€284	61%	GS	€76	€168	€38	-€1
45	YBR	BALLINROE BARNEY	WNE	FR	SRM	44	€284	56%	GS	€97	€157	€33	-€1
46	FAD	(IG) ANNALEISH DOVER	AWB	HO	PED	91	€282	58%	GS	€81	€161	€38	-€1
47	OGY	(IG) GREENVALLEY BLUESTONE	GVV	HO	PED	66	€281	54%	GS	€95	€162	€34	-€1
48	WEZ	WELLS VA ACHIEVER S2F	V H APPLAUSE-ET S2F	HO	SRM	50	€280	76%	DP-IRL	€128	€90	€52	-€1
49	SPD	ST PETERS OBSIDIAN	PSQ	JE		13	€280	79%	DP-IRL	€106	€104	€58	-€1
50	YRC	CURRA ROY	SOK	HO	PED	53	€279	60%	GS	€101	€139	€37	-€1
51	ZBK	BRACKHERD SWEETDREAM	HZS	HO	SRM	69	€279	63%	DP-IRL	€38	€208	€43	-€1
52	JGC	(IG) COOLNASOON JUDGE	ZPB	HO	PED	81	€279	60%	GS	€96	€133	€34	-€1
53	RPA	(IG) RHINCRUE SUPER DANO 12	WDS	HO	PED	72	€278	62%	GS	€100	€126	€55	-€1
54	YGM	GARRYMARTIN CRONIC	WDS	HO	PED	75	€277	58%	GS	€106	€145	€30	-€1
55	JMR	(IG) MOUNTRIVERS JESTER	SFZ	FR	SRM	47	€276	51%	GS	€71	€181	€23	-€1
56	LCL	CARRACOUGH LANCE	LLK	HO	PED	91	€276	63%	GS	€97	€142	€48	-€1
57	AMY	ADRIVALE MONTY	IRP	HO	PED	75	€276	69%	GS	€58	€193	€31	-€1
58	CFF	(IG) CREFOGUE DONCASTER	MDW	HO	SRM	78	€276	57%	GS	€89	€159	€36	-€1
59	OKW	(IG) OAKFARM BEHINS WARRIOR	DSU	HO	PED	75	€276	52%	GS	€70	€167	€37	-€1
60	FHS	(IG) FAHA SUNSHINE 12	HZS	HO	SRM	69	€275	64%	DP-IRL	€96	€144	€37	-€1
61	FSW	(IG) SWEETFIELD LOTTO	LLK	HO	PED	78	€275	57%	GS	€73	€148	€46	-€1
62	AHB	(IG) BALLYKINASH KXV LAD	KXV	HO	PED	78	€275	59%	GS	€24	€206	€46	-€1
63	ZLR	(IG) DORE LAZERIOUS	WAU	HO	PED	59	€274	63%	DP-IRL	€61	€170	€31	-€1
64	SPQ	(IG) CAPPANUIAC SAMPSON	KOZ	HO	PED	88	€271	65%	GS	€54	€172	€38	-€1
65	ZSW	MODELIGO SWEETDREAM	HZS	HO	SRM	66	€271	66%	DP-IRL	€75	€143	€40	-€1
66	LJS	CETARA GB LONESTAR S3F	GWZ	HO	SRM	56	€271	49%	DP-INT	€104	€137	€25	-€1
67	WWA	(IG) WATERWHEEL ARGO	DSU	HO	SRM	72	€271	60%	GS	€85	€153	€37	-€1
68	NPY	(IG) MURPHYS NUPTIAL	SKV	HO	SRM	47	€270	60%	DP-IRL	€90	€142	€40	-€1
69	YMD	MOODYS EXECUTIVE	P C GOLDIE S3J	JE		25	€270	48%	DP-INT	€116	€100	€40	-€1
70	EUW	EUROGENE KIWI	WLT	HO	XSR	50	€270	87%	DP-IRL	€105	€125	€31	-€1
71	PKR	(IG) PARKDUV MOUNT EVEREST	LHZ	HO	PED	91	€269	62%	GS	€82	€173	€23	-€1
72	AKZ	ARKAN GH HORIZON S2F	G M HEFF S1F	HO	SRM	63	€269	60%	DP-INT	€85	€144	€43	-€1
73	FFA	FARISIDE FM ACCOMPLICE S3F	F MINT-EDITION	HO	SRM	88	€269	50%	DP-INT	€105	€129	€35	-€1
74	OBK	(IG) BALLYKILTY OCEANIA	NFT	HO	PED	75	€269	61%	DP-IRL	€70	€182	€31	-€1
75	YBK	(IG) MEENASCORTHY BLACKIE	SOK	HO	PED	56	€268	64%	DP-IRL	€55	€185	€24	-€1

Key to Table: Ho% = Holstein Genes, PED = Pedigree Registered, SRM = Supplementary Registered, Proof = The status of the bull proof (DP-IRL = Daughter Proven based on n Interval Days, SU% = % Survival from lactation to lactation, CD% = % Calving Difficulty, M.Time = Milking Time, Avail = Availability (H=>6,000 doses, M= 4-6,000 doses, L=2-4), the ICBF Active Bull List, please call 1850 600 900 or log onto www.icbf.com. Copyright ICBF 2016.

ICBF Active Dairy Bull List - Spring 2016



Indexes				Key Profit Traits										Semen Details		
Ref	Maint	Mgmt	Health	M Kg	F Kg	P Kg	F %	P %	CI	SU%	CD%	CD Rel%	M.Time	Avail	Price	Supplier
1	€15	€5	€1	186	23.5	14.5	0.3	0.15	-10.6	5.8	2.2	99	-5.65	High	€21	Eurogene/LIC
7	€1	€2	-€4	-1	20.7	11	0.39	0.22	-12.4	6.2	2.9	85	-3.52	High	€21	Eurogene/LIC
5	€9	€5	-€1	196	16.6	19.7	0.17	0.25	-9.3	5.2	1.9	88	-8.45	Medium	€22	NCBC
0	€6	€1	€3	84	18	14.7	0.29	0.25	-12.1	5.3	2.9	99	7.03	High	€21	Dovea
7	€15	-€2	€4	239	22.1	15.9	0.24	0.15	-10.1	3.8	1	98	9.41	High	€21	Dovea
6	€6	-€2	€6	-26	14.1	10.8	0.29	0.23	-11.1	4.9	2.9	93	22.5	High	€18	Dovea
5	€20	€9	-€4	475	24.4	23.8	0.11	0.15	-8.1	3.6	2.2	90	-9.19	High	€18	NCBC
3	€9	€3	€1	5	10.8	12.3	0.2	0.24	-11.2	4.8	2.9	94	6.12	High	€18	NCBC
5	-€10	€9	€2	308	19.2	15.1	0.13	0.09	-9.3	5.8	2.2	97	-6.9	High	€18	NCBC
2	€15	€8	-€7	356	20.6	20.4	0.12	0.16	-9.2	3.9	1.9	97	-8.28	High	€19	NCBC
21	€19	€4	-€3	82	13.8	12.5	0.2	0.19	-9.8	4.6	1.3	80	8.04	High	€18	NCBC
2	€12	€4	-€5	28	17.5	12.8	0.31	0.23	-9.5	4.5	2.4	91	3.57	High	€19	NCBC
3	-€3	€4	€16	492	21.2	16.2	0.04	0	-9	6.1	4	61	-2.25	High	€25	World Wide Sires
3	€6	€7	€6	77	15.4	11	0.23	0.16	-9.9	4.6	1.9	89	5.32	High	€18	NCBC
2	€15	€5	€0	146	12.4	14.1	0.12	0.18	-9.6	4.1	2.7	92	1.63	High	€18	NCBC
3	-€1	€4	€1	213	24.5	14.3	0.3	0.14	-7.9	4.1	2.3	93	2.32	High	€18	Dovea
4	€14	€9	-€5	24	15.4	12.9	0.28	0.23	-7.8	4.3	1.8	83	-11.6	High	€18	Dovea
0	€6	€6	€5	211	24.4	15.4	0.3	0.16	-7.3	3.9	2.1	79	-12.8	High	€18	Eurogene/LIC
9	€6	€8	€1	61	13.8	9.2	0.21	0.14	-9.8	5	2	87	0.65	High	€19	NCBC
2	€3	€1	€1	264	18.9	16	0.16	0.14	-8	4.6	1.6	97	-9.15	High	€21	Eurogene/LIC
0	€9	€5	-€3	284	20	19.3	0.17	0.18	-9.4	2.7	3.9	98	-13.4	High	€18	Dovea
4	€11	€5	-€3	128	14	10.6	0.17	0.12	-9.8	5.7	1.8	77	-13.7	High	€19	Eurogene/LIC
4	€12	€5	€0	-7	11.2	9.8	0.22	0.2	-10.2	4.4	1.9	86	6.62	High	€18	NCBC
9	€13	€3	€0	-165	20.8	6.6	0.53	0.24	-10.8	4	4.4	98	-1.01	High	€18	Dovea
9	€18	-€1	-€4	-89	12	5.4	0.29	0.17	-13.3	3.5	1.8	85	-1.17	High	€18	Dovea
4	€20	€6	-€1	25	20	12.5	0.36	0.23	-7.1	4.3	2.2	87	-9.89	High	€18	NCBC
6	€1	€6	€2	114	10.7	11.7	0.12	0.15	-9.7	4.4	1.9	89	3.15	Medium	€18	NCBC
1	€19	€5	-€8	15	13.5	7.9	0.24	0.15	-9.7	4	2	87	3.38	High	€19	NCBC
2	€16	-€1	-€2	234	17.8	16.4	0.16	0.16	-8.8	4.1	2.4	96	15.9	High	€18	Dovea
4	€2	€6	€0	123	10.5	9.5	0.11	0.1	-10.3	4.3	2.1	87	-8.31	High	€19	NCBC
2	-€8	€10	€2	249	20.2	15.9	0.19	0.15	-7	4.4	2.3	99	-13.4	High	€20	Eurogene/LIC
41	€41	€10	-€2	-108	10.7	8.6	0.29	0.24	-9.2	4	1	95	-18.4	High	€18	Eurogene/LIC
20	€18	€3	€5	168	16.3	14.2	0.18	0.17	-7.8	4.1	2.3	78	1.54	High	€18	Dovea
7	€8	€5	-€10	147	16.4	11.7	0.2	0.13	-10.4	4.4	4.4	95	-3.68	High	€18	NCBC
4	€28	-€3	-€4	-327	0.3	-1.3	0.25	0.2	-12.7	4.7	0.8	71	9.57	High	€18	NCBC
24	€26	€2	-€2	22	16.9	9.1	0.3	0.16	-10.4	3.4	1.4	89	-3.86	High	€18	Dovea
3	€9	€1	-€7	-140	10	4.8	0.3	0.19	-12.2	5.3	2.5	91	10.6	High	€18	Dovea
35	€39	€5	€4	-136	13.5	3.5	0.38	0.16	-9.4	4.1	1.7	96	-7.67	High	€18	NCBC
21	€9	-€1	-€2	30	12.9	10.2	0.22	0.18	-10.1	4.7	3.2	97	5.08	High	€18	Eurogene/LIC
24	€24	-€3	€8	-117	7	5	0.23	0.18	-12.1	2.4	2.3	96	16.6	High	€16	NCBC
2	€10	€2	-€11	269	23.5	16.4	0.24	0.14	-8.4	3.5	3.2	97	2.58	High	€18	NCBC
7	€24	€6	-€5	113	15.6	13.6	0.21	0.19	-8	4.1	2.5	94	-4.66	High	€19	NCBC
40	€41	€19	€9	-22	13.5	10.5	0.28	0.22	-5.8	3.6	0.6	99	-16.8	High	€20	Eurogene/LIC
5	€5	€2	€1	294	14.1	13.2	0.05	0.07	-8.1	5.6	2.3	99	6.06	High	€19	NCBC
21	€26	-€2	-€7	19	13.1	12.8	0.23	0.24	-8.9	3.9	2.1	91	5.98	High	€18	Dovea
3	€1	-€2	€0	240	13.6	13.4	0.08	0.1	-9.5	3.5	1.6	90	16.1	High	€18	NCBC
2	-€2	-€3	-€3	97	19.2	12.6	0.29	0.18	-9.4	3.7	2.7	93	10.9	High	€18	NCBC
9	€15	€5	-€1	309	22	20	0.18	0.17	-4.4	3	2.3	95	-8.17	High	€21	Eurogene/LIC
41	€48	€14	-€9	222	22	15.5	0.24	0.15	-5.9	2.6	0.5	98	-4.39	High	€19	Eurogene/LIC
23	€16	€5	€4	221	18.8	15.3	0.19	0.15	-6.6	4.7	1.8	95	-6.46	High	€18	Eurogene/LIC
25	€12	€5	€0	0	4.2	5	0.08	0.1	-11.5	5.4	1.9	85	0.63	High	€16	Eurogene/LIC
1	€3	€7	€5	33	19.2	11.9	0.34	0.21	-7	3.8	2.1	89	-9.59	Medium	€18	NCBC
21	€15	€5	-€1	295	23.1	15.5	0.21	0.11	-5.7	4.6	2.2	99	2.16	High	€19	NCBC
24	€15	€4	€1	467	16.7	19.7	-0.02	0.08	-7.6	4.3	2.4	96	-3.47	High	€18	Eurogene/LIC
20	€21	€4	-€3	53	12	9.5	0.19	0.15	-10.2	4.5	2.4	83	-17.5	High	€19	NCBC
3	€4	-€6	€4	195	24.1	13.5	0.3	0.13	-8.1	3.5	1.7	96	-7.33	High	€18	Eurogene/LIC
3	€7	€0	-€1	-143	5.8	5.9	0.22	0.21	-10.4	5.3	4.5	96	0.68	High	€18	Dovea
1	€4	€3	-€5	187	17.1	13.2	0.18	0.13	-10.1	2.8	1.7	97	-2.32	High	€18	NCBC
4	€22	-€2	-€3	55	16.8	8.6	0.27	0.13	-9.2	4.4	1.8	84	8.51	High	€19	NCBC
1	€13	€4	-€8	102	18	13	0.26	0.18	-7.9	3.8	2	81	-16.8	High	€18	NCBC
4	€24	-€2	€1	168	20.4	10.1	0.26	0.09	-7.7	4.4	1.5	86	-0.2	Medium	€18	NCBC
7	-€1	-€2	€9	-202	5.2	0	0.25	0.14	-10.6	6.2	3	84	8.83	Medium	€18	NCBC
2	€25	-€1	-€1	31	13.4	7.6	0.23	0.13	-9.2	4.6	1.8	82	14.4	High	€18	NCBC
6	€1	€4	€7	197	12.4	8.9	0.09	0.05	-10	4	3	93	-5.55	High	€17	NCBC
2	€29	€4	-€7	94	16	10	0.23	0.13	-7.4	4.2	2.3	90	-3.02	High	€18	Dovea
21	€29	€3	-€6	178	16.2	15.5	0.18	0.18	-6	5.2	1.7	93	-2.5	High	€19	Eurogene/LIC
9	€13	€2	-€11	39	16.5	10.8	0.28	0.18	-8.1	4.3	2.3	99	1.35	High	€19	NCBC
25	€33	-€4	-€5	-45	18.5	10	0.4	0.23	-8.4	3.2	1.3	97	14.6	High	€18	NCBC
37	€45	€9	-€3	229	16.8	18	0.15	0.19	-4.5	3.7	0.8	97	-15.2	High	€20	Eurogene/LIC
33	€43	€4	-€6	93	22.5	13.5	0.35	0.2	-5.5	4.7	0.7	97	-1.39	High	€17	Eurogene/LIC
3	€6	€1	-€3	52	12.7	11.1	0.2	0.18	-10.3	3.7	2.6	99	10.9	High	€18	NCBC
3	€15	€4	-€9	48	13.3	11.4	0.22	0.19	-7.7	4	2.6	98	-6.56	High	€17	Eurogene/LIC
6	€18	€4	-€8	139	20	15	0.27	0.19	-7.9	2.5	3.6	88	-2.04	High	€21	Eurogene/LIC
3	€12	€1	-€14	45	15	9	0.25	0.14	-9.6	5.1	2.2	91	4.06	High	€18	NCBC
2	€8	€5	€3	12	3	8	0.05	0.15	-11.2	3.7	5.1	81	-7.68	High	€19	NCBC

milk recorded daughters in Ireland, DP-INT = Daughter Proven, based on milk recorded daughters outside of Ireland (International), GS = Genomically Selected), CI = Calving (1000 doses). Semen Availability information is given by each AI Organization. Farmers are strongly urged to use a minimum of 5 AI bulls from the list. For more information on

Gene Ireland Dairy Test Bull Programme

Mary McCarthy & Bryan Kingston (ICBF)



Mary McCarthy, ICBF



Bryan Kingston, ICBF

The objective of the Gene Ireland Dairy Test Bull programme is to test 70 bulls each year and that each bull would have 100 heifer replacements recorded in 100 herds, by year 4 of the programme.

Gene Ireland is focused on 3 key areas:

1. Selection of High EBI Young Bulls.

AI companies receive details of registrations for male calves. Some of these calves are selected for genotyping and subsequently purchased dependent on genomic evaluation results, health checks and assessment of the dams EBI, functional type and recorded ancestry. While the majority of the bulls that enter the Gene Ireland programme are sourced in Ireland a small number are also imported from overseas.

2. Progeny Testing the Young Bulls on a “Targeted” Set of Herds.

To progeny test 70 young bulls, 35,000 doses of semen are required to be used across a small number of ‘targeted’ herds, with the aim to obtain 100 milk-recorded heifers. Progeny testing bulls on a select group of targeted herds has the desired effect of increasing the reliability of the bull’s proof.

There are a number of breed pack options available. For the spring this will generally consist of:

- Holstein/Friesian (HO/FR),
- Pure Friesian (FR),
- Multi breed (combination of HO/FR, JE & HO/FR x JE).

Availability and content of these packs is dependent on the bulls put forward by the participating AI companies.

2.1 Test Group Allocations

Herd-owners do **NOT** get a choice of individual test bulls. The allocation of bulls per pack are **chosen at random**, but will represent a range of sires and have an average EBI as close to the overall group as possible (i.e. for Spring 2016 **€374**). Test straws are available in packs of **25 straws** (5 bulls x 5 straws) **35 straws** (5 bulls x 7 straws), and **50 straws** (5 bulls x 10 straws). All of the straws must be used in the assigned season. As shown in table 1, the average EBI’s for all the pack’s this year are well ahead of where they were in 2012.

Dairy Gene Ireland Packs (2012–2016)										
Pack Type	2012		2013		2014		2015		2016	
	Bulls	EBI	Bulls	EBI	Bulls	EBI	Bulls	EBI	Bulls	EBI
Holstein Friesian pack	54	€228	44	€275	24	€304	€54	€327	53	€374
Jersey/Crossbred pack	13	€168	7	€249	11	€222	10	€241	12	€269
Pure Friesian pack	4	€114	5	€103	7	€231	4	€230	3	€269

Table 1: Summary of the numbers & average EBI’s of the Gene Ireland Testbull packs over the past 5 years.

2.2 Costs of Straws

There is a cost of **€8.50 per straw**, which will be charged directly by the organisation providing the AI service. Note that herd-owners that use the **technician** service will still incur the cost of the 'arm service' and visit fee.

2.3 Requirements of a Progeny Test herd

Participating herds need to meet certain conditions regarding test bull usage and data recording.

It is essential that these herd-owners:

- Use ALL their allocated GENE IRELAND straws in the assigned AI season.
- Full participation in Animal Events i.e. record all inseminations and calving outcomes, including calving performance data, health & disease events, etc
- Participation in approved milk recording – milk record their 2-year-olds approximately 4 times in their first lactation.
- If any herdowner would like to sign up to Gene Ireland and receive a pack of straws – there are some spaces still available but these will be quickly taken up as we get closer to breeding. To get signed up just call Gene Ireland at **1850-600-900**.



3. Elite Bulls are Returned to AI.

Through the efficient progeny testing of 70 young sires, new bulls will be appearing on the ICBF Active Bull list each year, thus giving farmers more variety to choose from, while at the same time increasing the average EBI of the group, leading to increased genetic gain for farmers.



'LWR' (IG Longview Reliable) photographed prior to semen collection in 2014 as a Test-Bull. He was progeny tested through Gene Ireland in 2014 and is currently at number 3 on this year's Active Bull List. He was bred by James Long, Pullerick Upr, Crookstown, Co.Cork. Owned by NCBC, he is also a true product of the programme as he is actually sired by a previous Gene Ireland graduate 'ABO', who was progeny tested in 2012. (Photo courtesy of Michael Bailey NCBC).

AI Company - Contacts

AI Company	Tel	Email	Web
Bova AI	061 - 351233	info@bova-ai.com	www.bova-ai.com
Celtic Sires	086-8810719	info@celticsires.com	www.celticsires.com
Dovea Genetics	0504 - 21755	info@dovea-genetics.ie	www.dovea.ie
Eurogene	052 - 7442940	info@eurogeneaiservices.com	www.eurogeneaiservices.com
NCBC - Progressive Genetics	1850 - 20-20-50	via website	www.progressivegenetics.ie
NCBC - Munster AI	022 - 43228	info@munsterai.ie	www.munsterai.ie
Powerful Genetics	086-0743931	powerfulgenetics@eircom.net	www.powerfulgenetics.com
World Wide Sires Ireland	087-9519850	info@wvsireland.com	www.wvsires.com
Sligo AI	071-9118892	info@sligoai.com	www.sligoai.com
Dunmasc Genetics	086-3607641	www.dunmascgenetics.ie	www.dunmascgenetics.ie
Elite Pedigree Genetics	0044-7825950275	www.elitepedigreegenetics.com	www.elitepedigreegenetics.com

Dairy HerdPlus

Dear Herdowner,

- The data you have been recording on your animals (Calving Ease, AI Serves, Dry offs, etc.) is stored securely in the ICBF database
- ICBF has combined this data with information recorded on your cows by other Organisations in the Dairy Industry (Milk Co ops, Milk Recording Orgs, AI Companies, DAFM, etc.)
- **The resulting Reports have already been generated for your herd and are now available for you to use through Dairy HerdPlus®**



EBI

EBI values (based on A+B C Co op payment method) for all animals in the herd are shown & the herd is ranked nationally

Dairy Cow Report

Breakdown of each cow's individual performance throughout her lifetime, including her production data

Calving & Fertility

Track submission rates, find out your herd's calving interval & identify what cows should be culled

Inbreeding

Ensures that close matings are avoided before a Stockbull /AI Sire is used

Stock

View Stock numbers broken down by month & category of animal. Extremely useful for end of year accounts

Sire Advice

Create the best matings for your cows, prevent inbreeding & maximise your herd's genetic gain.

Online herd data

Reduce the need for filing, reports stored online, available at the click of a button

Support

A dedicated team of people available to answer your queries on Lo call 1850 600 900

Don't let this valuable breeding information go to waste – sign up today

Dairy cattle breeding information for your herd

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from
€60
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