

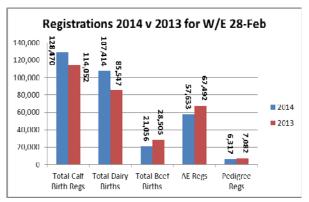


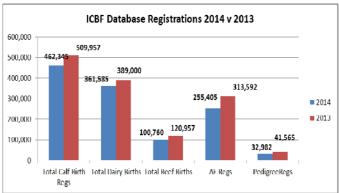
ICBF Weekly Update 28th February 2014

1 Important Dates

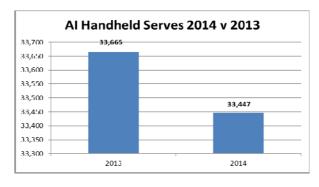
- **↓ ICBF Audit & Finance Sub Committee meeting** Thursday 13th March, 10:00 to 13:30, Horse & Jockey.
- LCBF Board Meeting Thursday 27th March 2014, 10:30 to 13:30, Killeshin Hotel, Portlaoise.
- **ICBF Sheep Board Meeting** Thursday 27th March 2014, 14:00 to 17:00, Killeshin Hotel, Portlaoise.

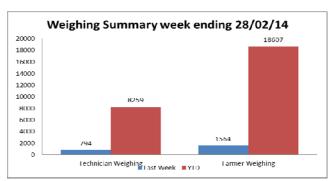
2 Database





- ♣ The stats above are compiled with the assistance of DAFM AIM systems.
- ♣ BVD test results continue to be received at ICBF and are being processed accordingly. There have been 507,000 results received since January 1st, of which 128,000 have come in the last 7 days. Since the beginning of the voluntary phase in 2012, 3.17 million results have now been received.
- ♣ The graph below shows Inseminations recorded on AI Handhelds in 2013 compared with 2014.
- This week there were 794 weights received through the technician service and 1564 weights recorded by farmers.
- ♣ The graph below shows the week and year to date totals.





3 Herd Plus®

The 2014 Dairy Active Bull List was published this week (see attached list and explanation). Dairy farmers are encouraged to use the online Sire Advice Tool to aid them when picking bulls for 2014.





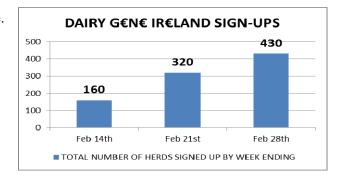


♣ Suckler farmers participating in the BTAP (discussion groups) scheme are reminded to record any data for the upcoming year. Autumn calving herds will be pregnancy scanning this spring and it is important that this data is recorded ASAP after the event. AI serves and weights should also be recorded as they occur.

4 G€N€IR€LAND®

Dairy

- **♣** Orders continue to be received for this programme.
- Allocations will commence as soon as a panel of bulls are available.
- The Holstein-Friesian panel consists of 44 potential bulls with an average EBI of €296.
- ♣ There are 3 Friesians, 4 Jerseys and 8 Crossbred Jerseys on the panel to date.
- Call 1850 600 900 to order.



Beef

- **♣** 1160 Pedigree animals were scored in January.
- ♣ This is up by 758 animals from January 2013.
- ♣ This is up by 1562 animals from January 2013.
- ♣ These totals do not include animals scored as part of the Gene Ireland Bull Breeding Program.
- ♣ A referencing session for the linear scorers was held in Tully on Thursday 20th February.

5 Genetic Evaluations

- Evaluations for the next routine evaluation are currently underway. The deadline for submission of files to Interbull is 11th March. We will be submitting data for fertility and calving for Red Dairy Breeds for the first time
- 4 An update of foreign beef breeding values have been received from France and the UK Limousins.
- Weekly genomic evaluations are currently underway and the level of genotyping is up on previous years.

6 Milk Recording

Nati	ional Milk Re	ecording Sta	tistics - Herc	ls, Cows & E	DIY 28/02/1	14
Milk Recording Organisation	Total Herds Recorded YTD 28/02/14	No. EDIY Herds YTD 28/02/14	% Herds EDIY	Total No. Cows Recorded YTD 28/02/14	No. EDIY Cows YTD 28/02/14	% Cows EDIY
Munster	674	38	6%	36,738	2,826	8%
Progressive	988	190	19%	61,161	12,627	21%
Tipperary	11	2	18%	509	117	23%
Total	1,673	230	14%	98,408	15,570	16%







Recorded Cows	by Milk Recording Or	ganisation - Year on \	ear Comparison
Milk Recording Organisation	YTD 2013 Cows Recorded 01/01/13 - 28/02/13	YTD 2014 Cows Recorded 01/01/14 - 28/02/14	2014 vs 2013 Year on Year Difference (%)
Munster	40,972	36,738	-11.5%
Progressive	66,105	61,161	-8.1%
Tipperary	541	509	-6.3%
Total	107,077	98,408	-8.8%

Please see milk recording stats attached.

7 Sheep Ireland

- The CPT lambing season is due to kick off on the farm of James Napper on Wednesday 5th March. All preparations are now in place, the only thing outside of our control at this stage is the weather. It is very important to be able to get ewes and lambs out to grass as soon after lambing as possible to keep the lambing pens available for newborns. Ewes generally will not spend more than 24 hours in the lambing pens such is the intensity of the lambing spread. Where lambing is straightforward this is generally not an issue, but where fostering etc. needs to take place, then this can significantly delay the clearance of these valuable lambing pens. Then of course there will be the small matter of tagging almost 3,000 lambs, recording their birth weight, lambing difficulty and dam details.
- Our first MALP lambs will be hitting the ground in the first week of March also. This year all MALP flocks will tag lambs at birth using a tissue tag. This ear tissue will be collected and stored with a view to laying the foundations for the future implementation of genomics in sheep here in Ireland. This DNA along with the performance records collected by our MALP & CPT farmers will be an invaluable resource for our industry in the near future.
- LambPlus operations remain extremely busy. Entry of 2014 lambing data continues to be submitted in a timely fashion. In mid-March we will begin a campaign of contacting breeders reminding them of the April 30th deadline for lambing data submission. This deadline will be rigidly enforced. It will be up to us here in Sheep Ireland to give every opportunity to breeders by sending regular reminders etc., and we will certainly not fall down in this regard.
- Today we are printing and packing lambing sheets to post out to all our paper recording breeders. These paper lambing sheets have been redesigned for the 2014 season. We now require all paper recording breeders to record data for each and every ewe in their flock, regardless of whether the ewe lambed down or not. There are many objectives to doing this, practical ones such as keeping breeders flock inventories up to date on our database, but there will also be many benefits from a genetics point of view. The capture of data on ewe barrenness, abortion, and death/culling information will all help us to build towards an index for ewe longevity, a hugely important trait but one which we currently have very little available data.

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Registered Office: Sheep Database Ltd trading as "Sheep Ireland". Highfield House, Shinagh, Bandon, Co Cork. Registered Dublin, Ireland. Registration Number 465004, Companies Acts 1963 to 2006.

Web: www.sheep.ie.

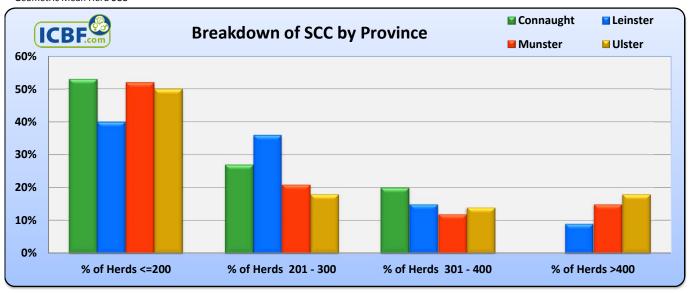


National M	lilk Record	ing Result	s for the 1	0 day pe ri	iod, 19-FEE	3-2014 To	28-FEB-20	14
ICBF	No. Herds Recorded	No. Cows Recorded	Avg Herd Size	Avg Milk kg/Cow	Average Fat %	Average Protein %	Average F+P kg	Average SCC*
Connaught	15	725	48	22.7	3.85	3.22	1.61	184
Leinster	104	6,792	65	23.8	4.07	3.37	1.77	196
Munster	202	10,509	52	24.4	4.09	3.26	1.79	204
Ulster	22	976	44	24.4	3.69	3.25	1.69	204
National Statistics	343	19,002	55	24.1	4.05	3.29	1.77	201

* Geometric Mean Herd SCC

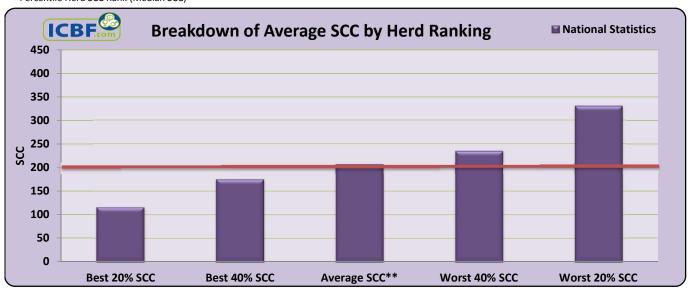
SCO	C Distribut	ion for the	10 day p	eriod, 19-F	EB-2014 T	o 28-FEB-	2014	
ICBF	No. Herds Recorded	No. Cows Recorded	Avg Herd Size	% of Herds <=200	% of Herds 201 - 300	% of Herds 301 - 400	% of Herds >400	Average SCC*
Connaught	15	725	48	53%	27%	20%	0%	184
Leinster	104	6,792	65	40%	36%	15%	9%	196
Munster	202	10,509	52	52%	21%	12%	15%	204
Ulster	22	976	44	50%	18%	14%	18%	204
National Statistics	343	19,002	55	48%	25%	13%	13%	201

^{*} Geometric Mean Herd SCC



% Не	erd Breakd	lown for th	ne 10 day	period, 19	-FEB-2014	To 28-FEE	3-2014	
<u> </u>	No. Herds	No. Cows	Avg Herd	Best 20%	Best 40%	Average	Worst 40%	Worst 20%
ICBF	Recorded	Recorded	Size	SCC	SCC	SCC**	scc	SCC
Connaught	15	725	48	130	157	199	212	282
Leinster	104	6,792	65	116	194	223	246	320
Munster	202	10,509	52	119	172	191	224	343
Ulster	22	976	44	110	162	213	283	344
National Statistics	343	19,002	55	116	175	207	235	330

^{**} Percentile Herd SCC Rank (Median SCC)





ICBF Active Dairy Bull List - Spring 2014



		Bull Deta	ails					EBI Deta	ile				Sub Inde	ves			y - `				Key Prof	it Traits						Se	emen Deta	ails
													_																	
Rk	Code	Name of Bull	Sire	Breed	Status	но%	EBI	Rel%	Proof	Milk	Fert	Calv	Beef	Maint	Mgmt	Health	M Kg	F Kg	P Kg	F %	Р%	CI	SU%	CD%	M.Time N	VI.Temp	Avail	Sexed	Price	Supplier
1	WLY	IMLEACH LUCKY WHISTLER	MWH	но	SRM	63	€322	51%	GS	€86	€189	€41	-€13	€15	€3	€0	118	17	11.9	0.23	0.15	-9.4	6	1.6	-5.75	0.05	High	No	€22	Eurogene/LIC
2	PSZ	(IG) LISSANE PIRATE	IRP	HO	PED	72	€313	49%	GS	€91	€171	€47	-€24	€28	€3	-€2	65	16.1	12.1	0.25	0.19	-9.7	4.2	2.3	6.12	0.12	High	No	€18	NCBC
3	AMY	ADRIVALE MONTY	IRP	HO	PED	75	€305	61%	GS	€59	€204	€36	-€9	€7	€7	€1	-156	6	5.9	0.23	0.22	-10.4	6.2	2.6	0.69	0.21	High	No	€17	Dovea
5	DGC ABO	DUNGOURNEY CREMIN (IG) CASTLEBLAGH ODIE	IRP BH7	HO HO	PED PED	78 81	€291 €291	59% 64%	GS GS	€84 €104	€168 €144	€35 €42	-€13 -€12	€13 €12	€4 €5	€0 -€4	271 146	16.1 14.7	13.8 15.4	0.1	0.09	-7.8 -8.2	5.9 3.5	3.6	4.4 -0.55	0.14	High High	No No	€17 €19	Dovea NCBC
6	HEK	KAIMORE HERO EARNIE S1F	M S HERO-ET S1F	HO	SRM	59	€291	43%	GS	€104	€144	€42	-€12	€36	€5 €2	-€4	41	13.5	10.5	0.17	0.2	-8.9	4.5	1.1	-0.55	0.13	Medium	No	€19	Eurogene/LIC
7	KSK	(IG) BALLYBRIDE SHERLOCK	BZR	но	PED	66	€290	55%	GS	€97	€103	€37	-€20	€15	€5	€2	341	14.8	16.9	0.03	0.11	-7.9	3.7	2	-2.55	0.03	High	No	€21	NCBC
8	XRB	MULLENBALLY IRP RUUVIXEN 612	IRP	но	PED	72	€289	55%	GS	€80	€174	€31	-€15	€10	€7	€2	29	18.4	9.6	0.33	0.17	-9.7	4.4	1.8	-1.64	0.19	High	Yes	€19*	NCBC
9	JKF	(IG) DOONMANAGH FLT JACKO	FLT	но	PED	81	€287	54%	GS	€98	€137	€46	€2	-€1	€1	€5	46	25.3	11.5	0.44	0.19	-8.2	3	1.5	2.6	0.04	High	Yes	€19*	NCBC
10	PDO	(IG) CARRIGAUN PEDRO	IRP	но	SRM	53	€287	54%	GS	€87	€163	€35	-€5	€6	€4	-€4	60	13.7	11.8	0.21	0.19	-8.5	4.8	2	4.19	0.15	High	No	€19	NCBC
11	KZY	COOKSTOWN BUDDY	HFT	HO	SRM	59	€286	53%	GS	€62	€188	€31	-€17	€27	€1	-€5	-70	12.4	6.5	0.29	0.17	-11.6	3.6	2.2	-0.74	0.01	High	No	€17	Dovea
12	PBM	(IG) BALLINABORTA PRIMO	SOK	но	PED	53	€285	54%	GS	€112	€129	€38	-€7	€6	€6	€1	233	16.7	17.4	0.14	0.18	-7.2	3.2	2	-10.31	0.11	High	No	€19	NCBC
13	KPV	(IG) KIPPANE VAMPIRE	IRP	но	PED	78	€285	60%	GS	€75	€165	€34	€6	€1	€8	-€5	-43	15.8	8.3	0.33	0.19	-8	5.4	2	2.66	0.27	High	Yes	€19*	NCBC
14	MSF	MORRIS TF LAMONT S1F	TIZ	но	SRM	56	€283	50%	DP-INT	€127	€116	€36	-€17	€25	€5	-€8	295	17.8	20.3	0.12	0.19	-6.4	3	1.8	-4.99	0.1	High	No	€21	Eurogene/LIC
15	OKM	OKURA LIKA MURMUR S3J	MKU	JE	XSR	0	€283	58%	DP-INT DP-IRL	€115	€114	€32	-€55	€74	€1	€2	-11	22.3	13.6	0.44	0.27	-4.5	4.8	0.5	3.09	0.05	High	No	€23	NCBC
16 17	LHZ ZLR	(IG) LAURAGH EVERT	WPE	HO HO	PED PED	88 59	€282 €281	72% 55%	GS GS	€67 €49	€177 €194	€35 €31	-€20 -€18	€20 €27	€5 -€1	-€3 -€1	-27 -7	14.5 11.5	7.5 5.6	0.3	0.16 0.12	-9.8 -11	4.6 4.7	2.3 1.8	-2.16 13.87	0.12	High High	No No	€19 €18	NCBC NCBC
18	GGP	GOINGS MECCA PRIDE STE	O F MECCA S1E	HO	SRM	59	€281	41%	GS	€49 €105	€194 €125	€33	-€18	€40	-€1	-€1 -€1	229	17.5	16.3	0.22	0.12	-5.4	4.7	2	-9	0.06	High	No	€18	Eurogene/LIC
19	LIS	CETARA GB LONESTAR S3F	GWZ	но	SRM	56	€279	40%	GS	€103	€123	€31	-€23	€40	€4	-€3	259	16.8	15.4	0.13	0.17	-6.2	5.1	1.7	-5.42	0.06	High	No	€20	Eurogene/LIC
20	RHS	RAHEENARRAN MEB SOCHAR	MEB	FR	PED	0	€277	81%	DP-IRL	€14	€209	€48	-€17	€10	€5	€7	-240	-0.5	-1	0.18	0.15	-13.8	3.1	1	5.97	0.19	High	No	€18	NCBC
21	FLG	GARRENDENNY LUCIFER	WGM	но	SRM	66	€276	45%	GS	€74	€164	€38	-€25	€29	€3	-€5	54	17.8	9.1	0.29	0.14	-9.1	4.2	1.9	2.08	0.1	High	No	€17	Dovea
22	ZBK	BRACKHERD SWEETDREAM	HZS	но	SRM	69	€276	54%	GS	€34	€197	€46	-€10	€9	€4	-€3	11	4	4.6	0.06	0.09	-10.6	5.5	1.7	6.9	0.16	Medium	No	€17	Eurogene/LIC
23	VSN	VAN STRAALENS HARRIER-ET	W P ELSTO-ET	но		50	€273	67%	DP-INT	€80	€116	€49	-€11	€31	€7	€1	22	16.1	9.8	0.29	0.17	-6.2	3.3	1	-9.47	0.14	High	No	€20	Eurogene/LIC
24	UMG	(IG) MOGEHA ULTAN	SOK	HO	SRM	69	€272	56%	GS	€36	€187	€36	-€4	€6	€9	€3	-42	7.6	3.6	0.17	0.1	-11.4	3.8	1	-16.05	0.14	High	No	€19	NCBC
25	AKZ	ARKAN GH HORIZON S2F	G M HEFF S1F	но	SRM	63	€272	39%	GS	€110	€137	€21	-€20	€28	€5	-€9	163	15.5	16.4	0.17	0.21	-7.2	4	2.5	-5.69	0.1	High	No	€20	Eurogene/LIC
26	HYD	MODELIGO HARRY	SOK	но	PED	72	€271	56%	GS	€81	€136	€48	-€4	€1	€9	€1	201	19.2	11.9	0.21	0.1	-7.5	3.6	1.2	-8.41	0.19	High	Yes	€17*	Dovea
27	WDS	WHINLEA DAN SUPERSONIC-ET	HZO	но	PED	69	€271	76%	DP-IRL	€114	€116	€30	-€18	€19	€8	€2	527	17.5	21.5	-0.04	0.07	-5.3	4.2	2.5	-2.33	0.22	High	No	€25	Eurogene/LIC
28	BGJ	BAGWORTH PF GRANDEUR S1F	P FROSTMAN S1F	HO	SRM	50	€270	52%	DP-INT	€82	€140	€38	-€15	€22	€5	-€3	230	18.4	12.6	0.18	0.09	-6.4	5.1	2.1	-7.86	0.09	High	No	€20	Eurogene/LIC
29 30	MDW	MONOWAI HOM DELUCA-ET SIF	\$711 DUO	HO FR	SRM PED	88	€269 €269	61% 46%	DP-INT GS	€62 €11	€183 €205	€38 €35	-€21 -€12	€8 €20	€3 -€1	-€4 €12	284 -51	9.4 8.7	11.8 -0.5	-0.02 0.2	0.04	-10.2 -12	4.7 4.6	1.7	4.96 -2.15	-0.04	High High	No	€19 €18*	NCBC NCBC
31	ZBA	(IG) BALLYNAGRANA CENTURION 2 BENDALE AD BLAZA S1F	A V DYNASTY S2F	FR FR	SRM	13	€269	36%	GS	€65	€205 €152	€37	-€12 -€29	€37	-€1	€12	203	13	10.4	0.2	0.03	-7.6	4.6	1.7	-2.15	0.09	High	Yes No	€18*	Eurogene/LIC
32	ADY	(IG) ARDROF IOF	IIK	HO	SRM	72	€268	48%	GS	€64	€164	€38	-€23	€37	-€4	€3	-25	13.6	7.2	0.28	0.07	-9.5	3.8	2.2	-3.81	-0.14	High	No	€19	NCBC
33	PKA	PUKEROA TGM MANZELLO	T G MAUNGA ET SJ3	JE	PED	0	€268	60%	DP-INT	€128	€85	€43	-€39	€54	€5	-€9	-92	28.8	13.6	0.63	0.32	-3.9	3.1	0.5	-4.79	0.12	High	No	€19	NCBC
34	FFA	FARSIDE FM ACCOMPLICE S3F	F MINT-EDITION	но	SRM	88	€268	39%	GS	€93	€128	€46	-€18	€27	€1	-€9	92	18.3	12.3	0.28	0.18	-7.6	2.8	1.2	-3.55	0	High	No	€20	Eurogene/LIC
35	cuw	CURRA ALLSTAR	SVB	но	PED	63	€267	67%	DP-IRL	€66	€163	€45	-€24	€20	-€4	€1	13	10.5	8.5	0.19	0.16	-10	3.3	1.4	16.29	0.01	High	No	€16	NCBC
36	ZPB	BALLYOGAHA PHILIP	SOK	но	PED	75	€267	60%	GS	€91	€116	€50	-€5	€3	€9	€3	23	19.1	11	0.34	0.2	-7.5	1.9	1	-10.83	0.19	High	Yes	€17*	Dovea
37	AWS	DERRINSALLOW AINE 75 ED	HMY	но	PED	81	€266	58%	GS	€62	€158	€35	-€12	€12	€4	€8	-59	20.2	5.3	0.43	0.15	-8.5	4.4	1.7	4.47	0.14	High	Yes	€17*	Dovea
38	KAB	KAMAHI AB RUMBLE S2F	A T BUCCANEER S1F	но	SRM	63	€266	41%	GS	€95	€126	€32	-€21	€35	€4	-€4	282	14	15.9	0.06	0.12	-6.9	3.4	1.4	-6.43	0.08	High	No	€18	Eurogene/LIC
39	XGR	GOOCHS FM REBELLION S2F	F MINT-EDITION	но	SRM	75	€265	44%	GS	€83	€143	€23	-€14	€23	€4	€2	250	12.5	13.9	0.05	0.11	-8.4	3.2	2.9	-7.97	0.05	High	No	€17	Eurogene/LIC
40	GXY	GYDELAND EXCEL INCA S3F	WNE	HO	SRM	78	€265	53%	DP-INT	€103	€153	€9	-€14	€15	€5	-€6	131	15.3	14.9	0.19	0.2	-7.1	5.4	3.2	-3.71	0.11	High	No	€20	Eurogene/LIC
41	PZS	MODELIGO SUPREME	SOK	HO	PED	66	€265	56%	GS DP-IRL	€59	€165	€38	-€11	€10	€7	-€3	63	12.8	7.7	0.19	0.11	-10.2	3.2	2.2	-5.88	0.15	High	No	€17 €17*	Dovea
42	RVJ FMD	RAHEENARRAN BCG SOCHAR SCOTTS FROSTMAN DELUX S1F	BCG P FROSTMAN S1F	FR HO	PED SRM	100	€264 €264	86% 47%	DP-IRL DP-INT	€9 €93	€194 €146	€45 €22	-€19 -€15	€21 €18	€1 €5	€14 -€4	-333 348	-4 16.2	-2.5 16.2	0.19	0.19	-12.1 -8	3.7	0.8 1.4	2.14 -4.43	0.04	High Medium	Yes No	€17* €19	Dovea NCBC
44	WFP	WEARNES EE TE POLSSE	F MINT-EDITION	HO	SRM	100	€264	40%	GS GS	€93 €81	€148	€38	-€15 -€18	€29	€5 €2	-€4 - £ 9	46	15.3	10.4	0.06	0.08	-8.1	3.6	1.4	-4.43	0.12	High	No	€19	Eurogene/LIC
45	ZCR	(IG) CARROWMANAGH ROY	MII MII	но	PED	69	€263	55%	GS	€63	€143	€45	-€18 -€6	€12	-€4	€3	25	17.4	7.1	0.23	0.17	-9.5	2.7	1.2	15.02	-0.02	High	No	€13	NCBC
46	TSK	(IG) KNOCKCAIS TOSSY	RXO	но	PED	84	€262	61%	GS	€55	€136	€45	-€7	€15	€8	€9	125	11.5	8.3	0.12	0.08	-8	3	2.3	-7.84	0.19	High	Yes	€18*	NCBC
47	KJT	KINGSDOWN MH JUBILANT S1F	M S HERO-ET S1F	но	SRM	56	€262	42%	GS	€86	€131	€44	-€21	€27	€5	-€10	101	13.9	12.1	0.19	0.17	-7.6	3.1	0.8	-10.33	0.08	High	No	€17	Eurogene/LIC
48	YSH	SUMMERHAYS DI SHANTY S2F	D I IGNITE S2F	но	SRM	56	€262	42%	GS	€81	€152	€38	-€21	€17	€1	-€6	126	18.5	11	0.25	0.13	-7.2	5.2	1.9	-1.77	0.02	Medium	No	€17	Eurogene/LIC
49	CVX	(IG) CURRA CONOR	MCL	но	PED	91	€261	72%	DP-IRL	€75	€135	€34	€6	€6	€0	€5	154	12	11.5	0.11	0.12	-7	4	3	-13.63	-0.11	Low	No	€18	NCBC
50	AFD	(IG) ARDALLEN FEST	HFL	но	PED	88	€261	71%	DP-IRL	€87	€116	€45	€8	€8	€0	-€4	215	19	13	0.2	0.11	-6.1	3.4	1.8	-0.07	0	Medium	No	€19	NCBC
51	HOW	HOWIES EASYRIDER	I RAMROD	но		50	€260	65%	DP-INT	€103	€104	€39	-€37	€46	€5	-€2	-86	22.9	10.8	0.51	0.27	-5.2	3.3	0.8	-11	0.08	High	No	€20	Eurogene/LIC
52	HDJ	(IG) BRIDESTREAM HAROLD	KOZ	но	PED	63	€259	58%	GS	€78	€111	€41	-€5	€20	€6	€8	212	17.6	11.9	0.17	0.09	-5.5	3.6	0.9	-2.38	0.17	High	Yes	€17*	NCBC
53	KHT	KAHURANGI GB TOPGUN S2F	GWZ	но	SRM	56	€258	43%	GS	€87	€122	€29	-€26	€35	€7	€4	367	17.6	15.3	0.06	0.06	-5.6	4.3	1	-11.21	0.11	High	No	€18	Eurogene/LIC
54	DJS	DJ JASON	W W MONTANA JACE	JE	PED	0	€257	64%	DP-INT	€89	€132	€10	-€46	€76	€3	-€6	-170	23.6	7.4	0.6	0.26	-6.2	4.5	1.1	-11.61	0.01	Medium	Yes	€23*	NCBC
55	HWY PGF	HAYWARDS TGM AIM S3J (IG) GLENSTAL DANDY	T G MAUNGA ET SJ3 WGM	JE HO	SRM	63	€257	73% 50%	DP-IRL	€146 €100	€58 €120	€34 €39	-€41 -€26	€61 €29	€3 €3	-€4 -€8	25 243	33.5 21.4	17 15	0.62	0.31	-2.6 -5.9	2.2 3.9	0.5 2.1	4.51 -3.24	0.13	High High	No	€20	Eurogene/LIC NCBC
56 57	MKK	(IG) GLENSTAL DANDY (IG) MOOREPARK LARRY	TZD	но	PED	78	€256 €256	70%	GS DP-IRL	€100	€120 €149	€48	-€26 -€29	€29 €42	€4	-€8 €1	-79	14.3	2.8	0.22	0.13	-8.3	3.9	1.4	-3.24	0.06	High High	No Yes	€18 €18*	NCBC
37	IVIAN	populous rankt	120	110	FED	/0	£230	70/0	Dr-INL	£40	£143	€40	-623	₹42	₹4	£I	-/3	14.3	2.0	0.34	0.11	-0.5	٥.٥	1.4	-2.43	0.1	riigii	162	£10	INCOL

58	HYZ	SCOTTS VHA HYDRAULIC S2F	V H APPLAUSE-ET S2F	но	SRM	56	€256	60%	DP-INT	€86	€138	€27	-€12	€23	€1	-€7	185	16.6	12.8	0.18	0.12	-7.2	4.1	4.2	-1.02	0.02	High	No	€20	NCBC
59	IRP	MILLANDS PRINCE	BWZ	но	PED	72	€256	87%	DP-IRL	€87	€132	€30	-€13	€13	€7	€0	159	14	13	0.15	0.14	-6.8	4	2.6	6.18	0.25	Medium	No	€19	NCBC
60	DYM	LOUGHREE DANDY	BZR	но	PED	78	€255	52%	GS	€85	€106	€41	€5	€14	€5	-€1	170	14.7	12.9	0.15	0.14	-5.2	3.5	2.4	-0.78	0.14	High	No	€17	Dovea
61	IGG	(IG) ENAGLOU XB GOLD	SYX	но	SRM	94	€255	56%	GS	€45	€153	€45	-€16	€24	€5	-€2	-19	15.7	4.1	0.31	0.09	-10	2.4	2.4	-11.58	0.06	High	No	€16	NCBC
62	RXW	(IG) ROSE XB WESTER	KNW	но	SRM	63	€255	55%	GS	€59	€168	€42	-€1	€0	-€1	-€11	-24	15.7	6.1	0.32	0.14	-9.2	4.5	2.5	3.1	-0.02	High	No	€16	NCBC
63	ZKS	ZINKS GB FURNACE S2F	GWZ	FR	SRM	47	€255	46%	GS	€82	€128	€34	-€23	€32	€2	-€1	258	15.4	13.5	0.1	0.1	-6.2	4.2	1.3	-5.04	0.03	High	No	€18	Eurogene/LIC
64	OPH	(IG) OLCASTLETOWN PHANTHOM	BQB	но	PED	78	€255	56%	GS	€76	€132	€40	€2	-€4	€7	€1	85	16.6	10	0.25	0.14	-7.3	3.4	3	-13.91	0.09	High	No	€19	NCBC
65	RPZ	(IG) MARYBORO RASCAL	WGM	но	SRM	63	€254	52%	GS	€87	€141	€24	-€21	€23	€5	-€6	89	16.3	11.8	0.24	0.17	-7.6	3.9	3	-5.13	0.11	High	No	€18	NCBC
66	KDX	(IG) BLACKNEY DIRECTOR	HFL	но	PED	66	€254	58%	GS	€37	€190	€22	-€5	€15	-€3	-€2	-155	9.9	1.9	0.31	0.14	-11.4	4.1	1.5	12.7	0.01	High	No	€16	NCBC
67	ZCA	(IG) CURNAMULT SEANAD	LLK	но	PED	91	€253	54%	GS	€66	€133	€46	€2	-€2	€2	€6	87	18.5	8.3	0.28	0.11	-7.3	3.6	1.6	-7.37	-0.01	High	No	€18	NCBC
68	FHS	(IG) FAHA SUNSHINE 12	HZS	но	SRM	69	€253	56%	GS	€72	€143	€38	-€7	€12	€3	-€9	81	14.2	9.7	0.21	0.14	-7	4.7	2	-8.36	0.02	High	No	€18	NCBC
69	OCP	(IG) CARRIGAUN GLEN	HMY	но	PED	84	€252	52%	GS	€72	€121	€51	-€5	€9	€7	-€2	182	24	9.5	0.31	0.07	-6	3.9	0.9	-5.14	0.17	High	Yes	€17*	NCBC
70	MXR	MOOREPARK HOGGY	UYC	FR	PED	47	€252	81%	DP-IRL	€48	€178	€20	-€19	€26	€0	-€1	302	11.5	9.5	0	-0.01	-9.6	4.9	3.4	6.72	0.06	Low	No	€16	NCBC
71	AZG	DEANSGROVE ARGENT	HZS	но	SRM	72	€252	57%	GS	€88	€119	€42	-€9	€12	€8	-€8	-2	13.1	11.2	0.25	0.22	-6.2	3.5	1.4	-10.94	0.16	High	No	€17	Dovea
72	KXL	(IG) KNOCKROUR ALIX	KOZ	но	PED	88	€252	58%	GS	€61	€150	€35	-€5	€4	€1	€6	25	10.2	7.9	0.17	0.14	-8.1	4.1	1.8	11.37	0.1	Medium	Yes	€18	NCBC
73	TKG	GLEESON TRINKET	SOK	но	PED	78	€252	56%	GS	€64	€140	€43	€0	-€3	€4	€3	231	10.2	11.2	0.02	0.07	-7.6	3.8	1.4	-17.01	-0.01	High	No	€17	Dovea
74	GYR	(IG) GLENROSE HARRY	DEU	FR	PED	47	€251	81%	DP-IRL	€48	€169	€23	€0	€0	€4	€7	-191	10.5	3	0.37	0.19	-9.4	4.3	4.2	-9.49	0.06	High	No	€17	NCBC
75	YBK	(IG) MEENASCORTHY BLACKIE	SOK	но	PED	56	€249	52%	GS	€43	€179	€24	-€3	-€3	€6	€2	-12	2.4	5.9	0.05	0.13	-10.7	3.8	6	-14.1	0.07	High	No	€19	NCBC

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 milk recorded daughters in Ireland, DP-INT = Daughter Proven, based on milk recorded daughters outside of Ireland (International), GS = Genomically Selected), CI = Calving Interval Days, SU% = % Survival from lactation to lactation, CD% = % Calving Difficulty, M.Time = Milking Time, M.Temp = Milking Temperament, Avail = Availability (H=>6,000 doses, M= 4-6,000 doses, L=2-4,000 doses, L=2-4,000 doses). Semen Availability information is given by each AI Organization. An Asterisk(*) indicates a higher cost for sexed straws. Farmers are strongly urged to use a minimum of 5 AI bulls from the list. For more information on the ICBF Active Bull List, please call 1850 600 900 or log onto www.icbf.com.Copyright ICBF 2014.

ICBF Active Dairy Bull List - Spring 2014

Pat Donnellan ICBF

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.
- 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.
- **Milking Temperament** This indicates whether daughters of a bull are easy or difficult to handle in the milking parlour. Positive values are desired indicating cows with good temperament in the milking parlour.
- **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.

Active Bull List - Spring 2014

Introduction

The EBI details of the 75 bulls on the list is based on the December 2013 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:

• EBI's with reliabilities greater than or equal to 35%.

and also have;

• Calving difficulty evaluations with reliabilities greater than or equal to 50%. (For a Bull to be included on the Active Bull list his calving evaluation must be based on actual calving survey data either in Ireland or in the country of origin of the bull, and not just genomic information.)

2014 List sets a new record!

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. 2014 is the 14th year that ICBF has published the Spring Active Bull List. 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 bred and progeny tested bulls started to come through. This year there are now 49 Irish bred Bulls on the list. This is a new record as it is the highest number of bulls from any one country that have ever made the top bull list at the same time (Table 1). The remaining 26 bulls are all from New Zealand.

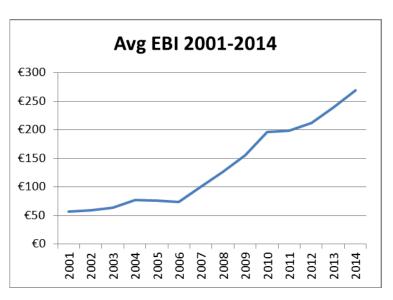
The following table shows the trends in the countries of origins for Bulls in the top Bull Lists over the past 14 years.

Al Sire Co	untry	of Or	igin T	rend 2	2001 -	2014
	IRE	USA	NZL	NLD	GBR	NOR
2001	2	13	2	27	-	-
2002	2	11	16	24	-	-
2003	1	6	26	16	-	-
2004	1	3	39	19	-	-
2005	0	2	25	35	-	-
2006	0	4	21	36	-	-
2007	1	7	22	22	-	-
2008	10	11	22	14	-	-
2009	33	10	17	3	-	-
2010	27	20	11	6	-	-
2011	27	17	24	3	-	-
2012	29	3	37	0	2	3
2013	35	1	36	1	-	1
2014	49	-	26	-	-	-

Table 1: Main Bull Countries of Origin Trends 2001 - 2014

EBI Trends

Year Av	3
EB	
2001 €57	7
2002 €59	9
2003 €64	4
2004 €7	7
2005 €76	ŝ
2006 €74	4
2007 €10	1
2008 €12	7
2009 €15	6
2010 €19	6
2011 €19	8
2012 €21	2
2013 €23	9
2014 €26	9



Graph 1: EBI Trendline (2001-2014)

						Avera	age of	Proofs	for T	op 75	Active	Bulls	(201	1 - 20	14)				
	Е	ВІ			EBI 8	Proo	f Detail	ls					K	(ey P	rofit	Traits			
	EBI	Rel%	Milk	Fert	Calv	Beef	Maint	Mgmt	Hith	M kg	F kg	P kg	F %	P %	CI	SU%	CD%	M.Time (secs)	M.Temp
Spring 2011	€198	57%	€77	€103	€27	-€19	€8	1	€2	232	15.6	13.1	0.13	0.10	-5.2	3.4	2.0	1	1
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	0.04
Spring 2014	€269	56%	€77	€148	€36	-€14	€20	€4	-€1	88	15.1	10.4	0.22	0.15	-8	4.0	1.9	-2.67	0.09

Table 2: Comparison of average of proofs for top 75 Active Dairy Bulls 2011-2014.

The 75 Bulls on the list have an average EBI of €269, ahead of last year's average by €30. The Bulls EBI's on the list range from €322 down to €249. Nearly 70% of the Bulls on the list are Genomic Bulls with the remainder being Daughter Proven either here in Ireland (16%) or from abroad (14%) (See Table 3).

Bull P	roof Type:	s 2012 - 20 1	. 4
	DP-IRL	DP-INT	GS
Spring 2012	14	28	33
Spring 2013	18	22	35
Spring 2014	12	11	52

Table 3: Numbers of Bulls in the various categories of proof types in the 2012, '13 & '14 Active Bull Lists.

Туре	Name	Definition
GS	Genomically	Bull with his own calving ease proof but has no daughters milking here yet.
<u> </u>	Selected	Buil with his own carving ease proof but has no daughters milking here yet.
DP-Irl	Daughter Proven	Bull with his own calving ease proof and his production proof is mainly
DP-III	Ireland	based on his daughters that are milking in herds here in Ireland.
DD Int	Daughter Proven	Bull with his own calving ease proof and his production proof is mainly
DP-Int	International	based on his daughters that are milking in herds in other countries.

Table 4: Descriptions of the various types of Dairy Bull proofs.

The Bulls which are ranked highest for each type of proof on the list are listed in table 5 below:

Official ICBF 'Number 1' List - Spring 2014									
Category	Code	Name	Owner	EBI	Rel%	Proof			
Number 1 Genomically Selected 'Active' Dairy Al Sire	WLY	IM LEACH LUCKY WHISTLER	Eurogene/LIC	€322	51%	GS			
Number 1 Irish Daughter Proven 'Active' Dairy Al Sire	LHZ	(IG) LAURAGH EVERT	NCBC	€282	72%	DP-IRL			
Number 1 International Daughter Proven 'Active' Dairy Al Sire	MSF	MORRIS TF LAMONT S1F	Eurogene/LIC	€283	50%	DP-INT			

Table 5: Highest ranked Bulls for each proof category.

Sexed Semen Bulls

A new development in the Active Bull list this year is an indication in the 'Semen Details' section of the list as to whether sexed semen of a bull is available. An asterisk is also included after the straw price as sexed semen is more expensive than conventional semen.

There are 12 bulls on this Spring's Active Bull List that have sexed semen available. However there are a lot of other Dairy AI Sires from a number of breeds that also have sexed semen available.

EBI Range of Sexed Dairy AI Sires - Spring 2014								
Breed	<€100	€100- €250	>€250 (Active Bull List Standard)	Total				
Holstein	26	45	24	95				
Friesian	1	2	4	7				
Jersey		1	6	7				
Montbeliarde	2	1		3				
Swedish Red		1		1				
Total	29	50	34	113				

Table 6: Summary of EBI details of Sexed Dairy AI bulls available Spring 2014

There is actually 113 Dairy AI Sires from 5 different breeds for which sexed semen is available this Spring. 34 of these bulls have EBI's good enough to make the Active Bull list (Reliability % criteria is what currently prevents them from being on the list but their semen is available). 50 bulls have EBI's in between €100 - €250 with the remaining 29 bulls having EBI's less than €100.

Not surprisingly, the vast majority of sexed semen is from Holstein bulls (95 bulls) but some sexed semen is also available from 4 other dairy breeds: Friesian (7 bulls), Jersey (7 bulls), Montbeliarde (3), Swedish Red (1).

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: <u>Farmers are strongly urged to use a minimum of 5 AI bulls from the list.</u>

Bulls with 'Low' availability are not included in the ICBF Sire Advice Programme as large quantities of straws cannot be guaranteed. Farmers should note that AI Companies have a limited amount of straws available for these Bulls and should order straws early so as to avoid disappointment.

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 2014 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.