



IRISH CATTLE BREEDING FEDERATION

Gene Ireland Breeding Program

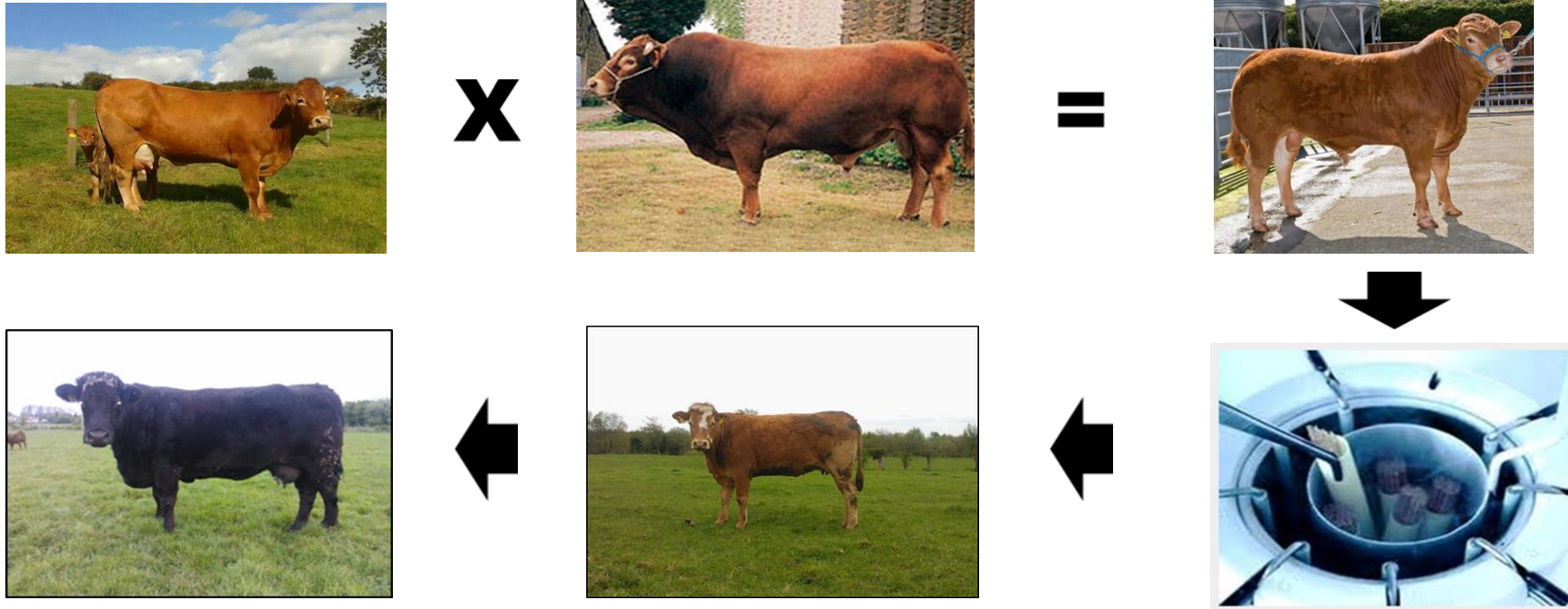


Niall Kilrane, Pat Donnellan, Ciaran Costello



What is a Breeding Program?

- It is the planned breeding of a group of animals over several generations to achieve a certain goal.
- Breeding programs are commonly employed where humans want to change the characteristics of their animals.



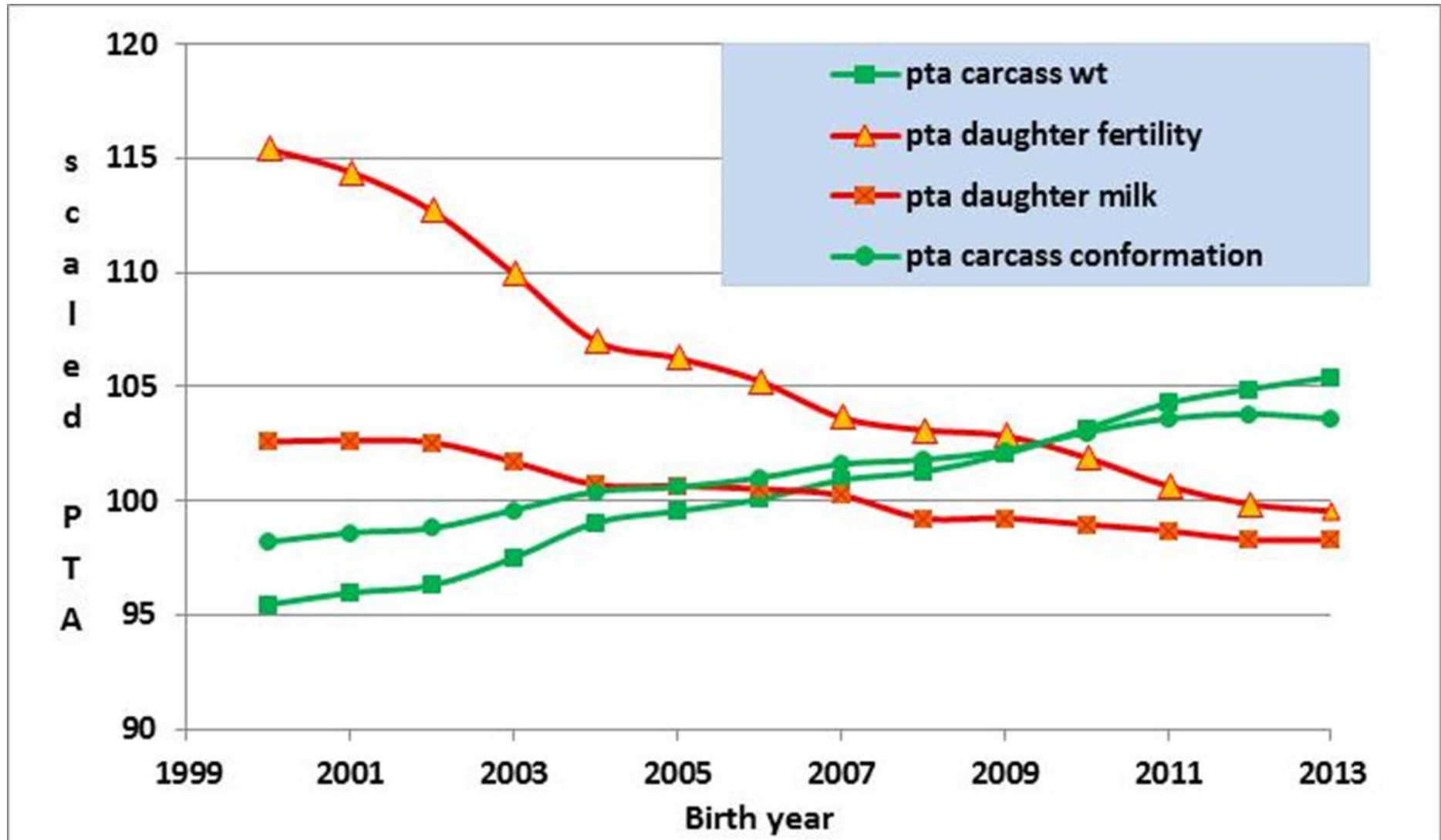


G€N€ IRELAND®

Breeding future Profits

**But why do we need a
Breeding Program?**

Genetic Trends of Irish Suckler Herds 2000-2013



Why we need a Breeding Program



Why we need a Breeding Program



Animal Details			Replacement Index		Pedigree Progeny	
Code	Name	Breed	Within Breed	Rel %	Male	Female
IDU	Indurain	Charolais	★	98%	3306	3075
MUC	Mas du Clos	Limousin	★	97%	1791	1642
BKI	Brington Brilliant	Simmental	★	94%	410	368
DAZ	Dalrene Cruz	Angus	★	88%	159	171
YPI	Yarram Pompeii	Hereford	★	91%	365	273
					6031	5529



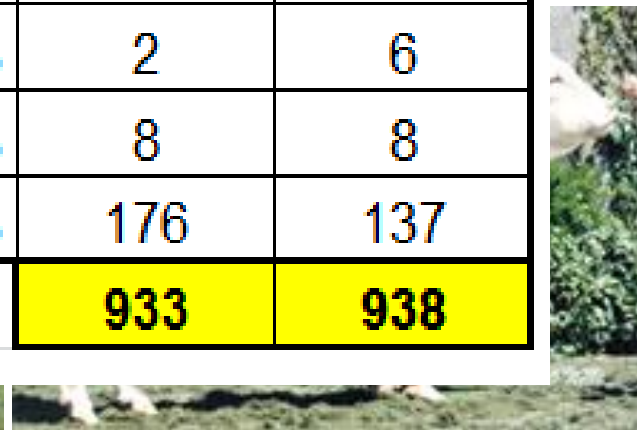
Why we need a Breeding Program



Why we need a Breeding Program



Animal Details			Replacement Index		Pedigree Progeny	
Code	Name	Breed	Within Breed	Rel %	Male	Female
CF43	Doonally Donald	Charolais	★★★★★	95%	576	598
FL18	Enfield Big Bang	Limousin	★★★★☆	94%	171	189
HUR	Hauer	Simmental	★★★★★	73%	2	6
LSY	Laheens Danny	Angus	★★★★★	87%	8	8
RSL	RH Star Burst Lad	Hereford	★★★★☆	86%	176	137
					933	938



Ultimate Goal of Gene Ireland



Breeding profitable Suckler Cows for the National Herd.

Ultimate Goal of the program

AI Sire

High Reliability

Calving Diff: 99%

Carcass: 99%

Milk & Fertility: 88%

Calving Interval

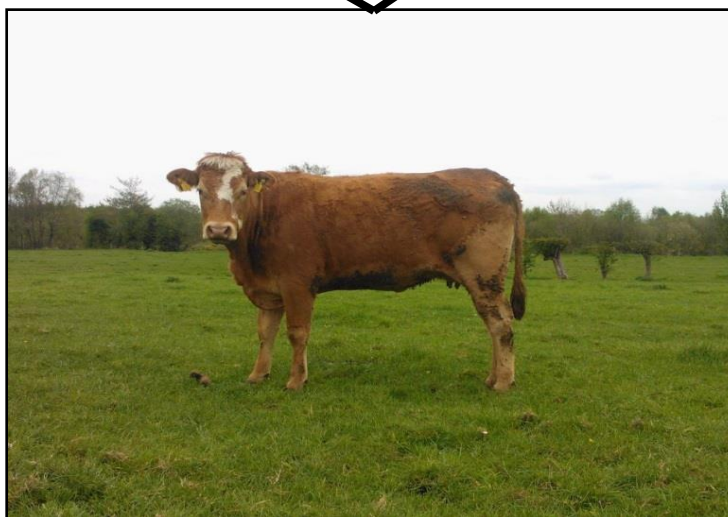
Index: ★★★★★



Limo x Hereford Suckler Cow

★★★★★ Replacement Index

- 12 Yrs Old: 10 AI bred calves
- 1ST calving: 24 mths old
- Calv Intervals: 337,346,355....days
- Calvings: All were unassisted
- Weanlings: Excellent Wt Gains
- Carcass: 4 U Grades & 3 R Grades



Replacement Daughter

★★★★★ Replacement Index

- 1ST calving: 23 mths old
- Fertility:
- 1st Calf MLJ on 10/08/13
- Killed U+3+ @ 15 Mths
- 2nd Calf Ex TQL on 8/08/14
- Confirmed in calf – due 29/08/15

• An example of good breeding in action

Good Suckler Cows in all Colours

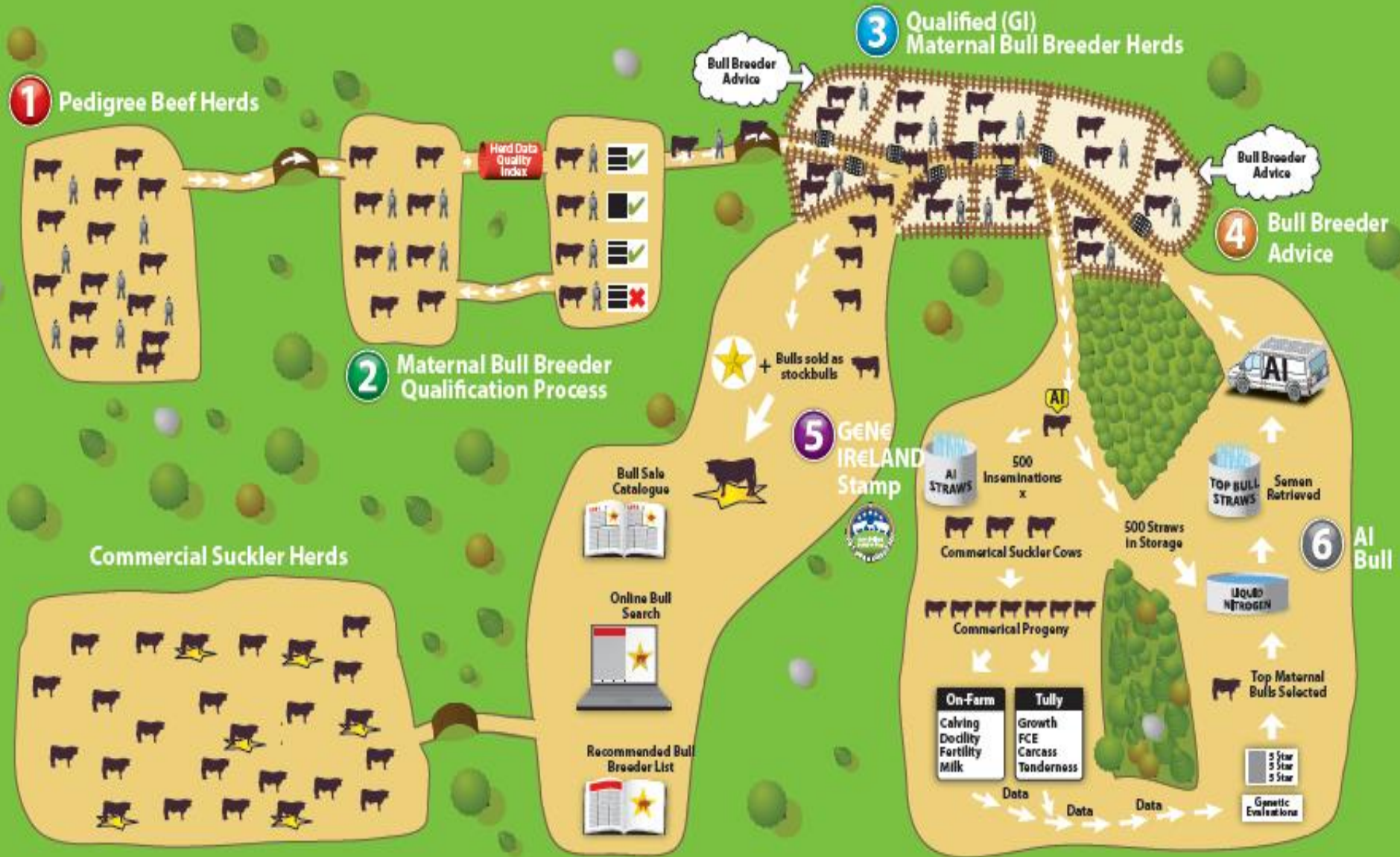
Suckler Cow Breed, Performance & Euro-Star details

Animal Details						Performance Details					Replacement Index (04/14)			
Jumbo	Tag	DOB	Main Breed	Sire	Dam	Nbr of Calves	Age 1st Calving	Average Calving Interval (Days)	Calf - Max Wt Gain	Progeny Carcass Grades	Within Breed	Index	Rel %	Across Breed
522	IE331505840522	28/11/11	AA (63%), BA (25%), LM (12%)	ZLL	40282	1	19 mts				★★★★★	€321	28%	★★★★★
724	IE141402780724	08/02/07	AA (100%)	70337	50202	6	25 mts	357	1.17		★★★★★	€339	31%	★★★★★
275	IE271272760275	11/04/09	AU (50%), SI (22%), LM (18%)	AU564	40133	2	34 mts	355	1.38	1U	★★★★★	€176	22%	★★★★★
250	IE211414970250	19/01/11	CH (50%), BB (22%), SI (12%)	70110	30452	2	29 mts	311			★★★★★	€174	21%	★★★★★
919	IE141402740919	08/05/09	HE (100%)	80584	30621	2	26 mts	329	0.95		★★★★★	€183	28%	★★★★★
280	IE371256820280	08/03/09	LM (50%), SH (40%)	NSQ	0110B	4	24 mts	352	1.31	1U	★★★★★	€221	40%	★★★★★
263	IE321552080263	12/04/07	LM (84%), SI (9%)	70117	60166	5	30 mts	361	1.31		★★★★★	€221	30%	★★★★★
360	IE371256880360	04/02/12	PT (50%), BB (22%), LM (18%)	IRX	30158	1	24 mts				★★★★★	€159	30%	★★★★★
40	IE231107170040	03/04/05	SA (50%), AA (40%)	KRA	001V	8	31 mts	397	1.42	1U,1R,10	★★★★★	€186	37%	★★★★★
575	IE151494970575	19/10/07	SH (100%)	BZF	40091	6	22 mts	348	1.37	1U,2R	★★★★★	€250	45%	★★★★★
181	IE111113830181	29/3/04	SI (72%), CH (18%)	50080	40096	8	30 mts	365	1.79	2U	★★★★★	€257	28%	★★★★★
276	IE271113360276	21/4/09	SI (50%), SH (22%), AA (22%)	10206	80088	4	24 mts	358	1.69	1R	★★★★★	€236	28%	★★★★★

Good Suckler Cows in all Colours



Gene Ireland Overview

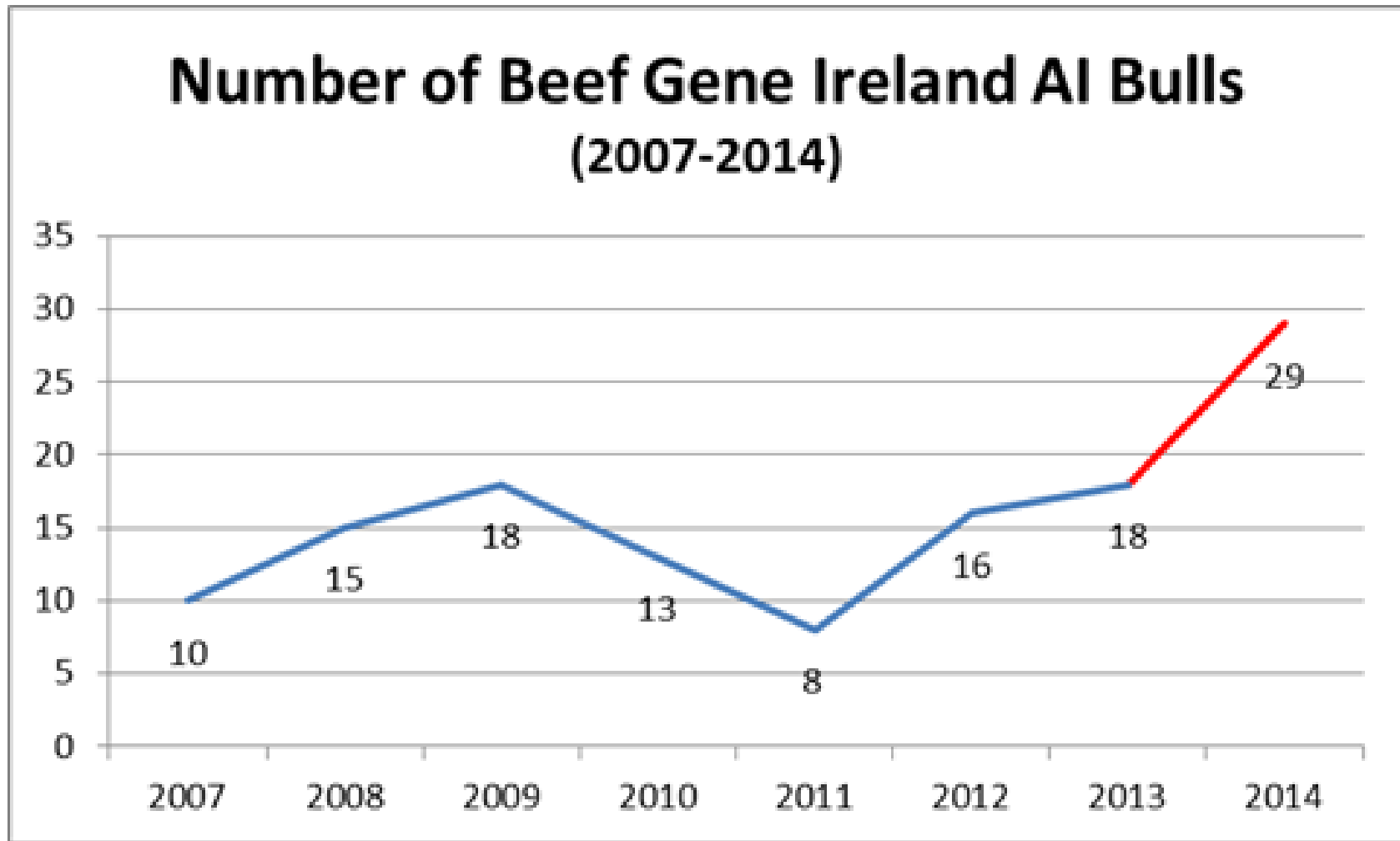


Gene Ireland Stamp



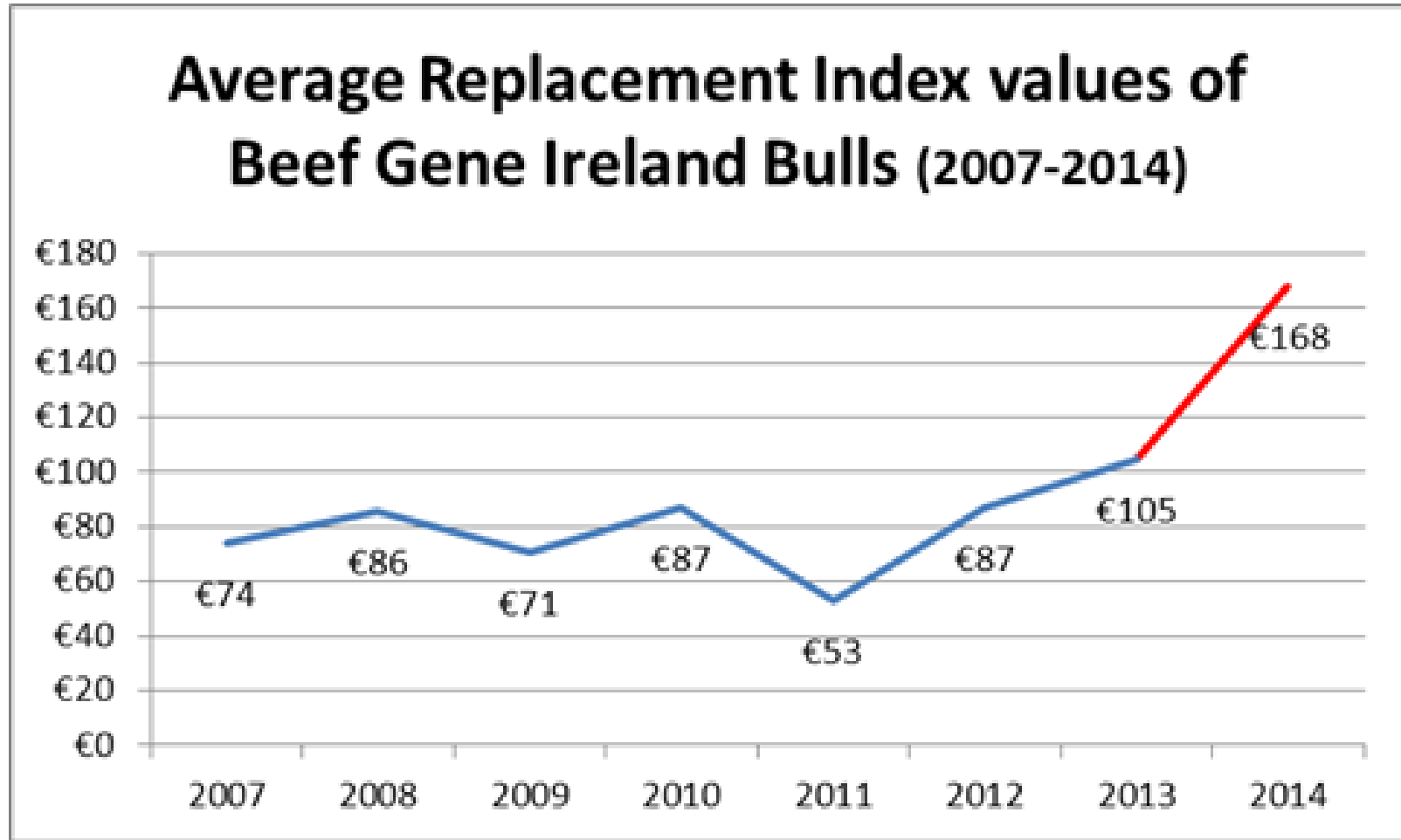
- Pedigree Breeder's Data records are checked for their accuracy e.g. insemination records etc.
- The Stamp is awarded when the herd's data reaches a certain level.

Gene Ireland



Breeding profitable Suckler Cows for the National Herd.

Gene Ireland



Breeding profitable Suckler Cows for the National Herd.

Gene Ireland

Identification			Ancestry		Replacement Index			Calving Difficulty			Price	Owner
ID	Breed	Name	Sire	Sire of Dam	€-val	Rel %	Stars Within	Calving Diff %	Rel %	Breed Avg		
JZJ	Angus	Cairnmor Jameson	Lawsons Romeo C938	Ernehill Star	€163	24%	★★★★	1.5%	29%	2.15%	€5	Dovea
YBH	Charolais	Ballym Henri	Pinay	Pirate	€131	25%	★★★★★	5.0%	33%	7.55%	€5	Gene Ireland
YCM	Charolais	Clewbay High-Master	Repair	Bova Sylvain	€97	26%	★★★★★	7.8%	31%	7.55%	€5	Gene Ireland
KCH	Charolais	Clenagh Hank	Goldstar Echo	Organdi	€71	28%	★★★★	8.7%	34%	7.55%	€5	Gene Ireland
GKA	Charolais	Inverlochy Gurkha	Balmyle Bollinger	Rumsden Samurai	€64	3%	★★★★	NA	NA	7.55%	€5	NCBC
GGM	Hereford	Gageboro Morgan	Gageboro Eugenic	Bowmont Storm A584	€139	22%	★★★★★	5.1%	31%	4.15%	€5	Dovea
KZH	Limousin	Kilskeagh Hill 16	On-Dit	Lino	€251	31%	★★★★★	4.6%	33%	4.89%	€5	Dovea
ZAG	Limousin	Castleview Gazelle	Ampertaine Commander	Ronick Hawk	€251	26%	★★★★★	4.9%	33%	4.89%	€5	NCBC
YHB	Limousin	Drombanny Hero	On-Dit	Ramses	€208	31%	★★★★★	5.1%	34%	4.89%	€5	Gene Ireland
OHT	Limousin	Roundhill Hunter	Vivaldi	Otan	€199	30%	★★★★★	6.4%	35%	4.89%	€5	Gene Ireland
AYH	Parthenaise	Lisnagranchy Hulio	Lisnagranchy Carlo	Toupet	€254	21%	★★★★★	4.7%	30%	5.40%	€5	Gene Ireland
ZGH	Parthenaise	Hurricane Gonzo	Dere Noel	Socrate	€162	9%	★★★★	4.8%	14%	5.40%	€5	NCBC
ZYH	Parthenaise	Alamira Harry	Ti Lapin	Panache	€157	20%	★★★★	4.5%	26%	5.40%	€5	Gene Ireland
KTM	Saler	Knottown Michael	Knottown Hermes	Buron (FR07)	€318	27%	★★★★★	3.4%	32%	2.39%	€5	Gene Ireland
ZBZ	Saler	Breffni Muzz	Ecrin	Ulysse	€213	9%	★	4.6%	20%	2.39%	€5	Gene Ireland
XDM	Simmental	Celtic Diceman P ET	Lykke Atlantis P	Curaheen Tyson ET	€214	20%	★★★★★	6.8%	18%	5.29%	€5	Gene Ireland
LZZ	Simmental	Lisnacraan Demertios	Kilbride Farm Newry	Monaduff Jewel	€213	33%	★★★★	6.5%	35%	5.29%	€5	Gene Ireland
KDZ	Simmental	Curaheen Dickens	Curaheen Warrior	Cloondroon Nugget	€187	24%	★★★★	6.4%	28%	5.29%	€5	Gene Ireland

• Spring 2014 Gene Ireland Young Bull Panel

Gene Ireland

- YCM – Clew Bay Highmaster
- Selected by the Charolais Breeding Committee



- Purchased by Gene Ireland
- 1000 straws collected off him
- Why was Gene Ireland interested in him?

Gene Ireland

• Dam of YCM – Clewbay Daisy

Animal Details			Ancestry Details				Euro-Star Index									
Jumbo:	371		Sire's Sire:	FR5898106514			Within Breed	Economic Indexes	Index	Rel%	Across Breed					
Official Tag:	IE272285830371			ORIENTAL			★ ★ ★ ★ ↓	Maternal	€89	35%	★ ★ ↓					
Animal Name:	CLEWBAY DAISY		Sire's Dam:	FR7194109870			★	Terminal	€96	31%	★ ★ ↓					
Date of Birth:	12/12/2008			JACOBINE				Dairy Beef								
Breed:	CH (100%)		Sire:	SLV			Expected Progeny Performance									
Herdbook:	Pedigree Registered			BOVA SYLVAIN				Calving Difficulty (%3&4)	7.2%	37%						
Scored:			Dam:	IERLHK0089Q			★ ★ ★ ★ ↓	Docility (1-5 scale)	+0.10	47%	★ ★ ★ ★ ↓					
Weighed:				LOUISBURGH ORGAN			★	Carcass Weight (Kg)	+26 Kg	32%	★ ★ ★ ↓					
BLUP Index (Reliability 37%)			Dam's Sire:	KCEM009			↓	Carc Conf. (1-15 scale)	+1.57	30%	★ ★					
MUSCLE	SKELETAL	DOCILITY		CLONKEEFY MACINERNY			Expected Daughter Breeding Performance									
97	107		LOB004				Daught Calv Diff (%3&4)	3.7%	32%							
			LOUISBURGH BRONAGH			★ ★ ★ ★	Daught Milk (Kg)	-4.2 Kg	57%	★ ↓						
						★ ★ ★ ★ ★	Daught Calv Int. (Days)	-3.73 Days	32%	★ ★ ★ ★						
Calving & Fertility Performance										Weanling & Carcass Performance						
Calving Date	Tag Number	Calving Survey	Calving Interval	Sex	Current Status	Sire	Sire Breed	Age days	Weight Kgs	Growth Kg/Day*	Price/Kilo	Calf Quality	Docility	Age at Slaught. (months)	Carcass Conf. & Fat	Carcass Weight
1	23/09/2011	IE272285810411	Normal		M	Exported	PTE	CH	265	408	1.39					
2	20/09/2012	YCM	Normal	362	M	Sold	REP	CH	179	264	1.25	Excellent	V.Quiet			
3	28/08/2013	IE272285830446	Normal	341	M	In herd	RRZ	CH	196	352	1.59	Average	V.Quiet			

Spring 2015 Gene Ireland Young Bull Panel

Bulls					Euro-Star						Availability		
Identification			Ancestry		Replacement Index			Calving Difficulty			Price	Owner	Page
ID	Breed	Name	Sire	Sire of Dam	€-val	Rel %	Stars Within	Calving Diff %	Rel %	Breed Avg			
JJC	Angus	Cairnmor John	Mogeely Joe	Kilmore Ambassador	€210	33%	★★★★★	2.6%	38%	2.25%	€5	Gene Ireland	6
JBS	Angus	Steil Jacob	Aynho Rossiter Eric	Shankill Mick	€198	28%	★★★★	4.0%	35%	2.25%	€5	Gene Ireland	7
VEZ	Aubrac	Balinclea Iveco	Dreylands Fred	Nologues	€271	22%	★★★★★	1.4%	31%	2.95%	€5	Gene Ireland	8
SGA	Blonde	Scaughmolin G Mail	Blackwater Ainsley	Drop	€132	22%	★★★★★	6.9%	31%	5.38%	€5	Gene Ireland	9
LJE	Blonde	Lislea Hermes	Blackwater Ainsley	Pembridge Romeo	€127	15%	★★★★★	6.9%	25%	5.38%	€5	Gene Ireland	10
AGY	Belgian Blue	Rosemount Giga ET	Boherard Cantona ET	Tintin De My	€9	25%	★★★	14.9%	29%	14.1%	€5	Gene Ireland	11
OZR	Belgian Blue	Rosemount Gar	Solway View Dynamite	Seduisant De Fooz	-€13	22%	★★★	17.6%	30%	14.1%	€5	Gene Ireland	12
CH2000	Charolais	Coom Indurain	Doonally Donald	Vera Cruz	€169	33%	★★★★★	4.1%	36%	7.65%	€5	Dovea	13
PDR	Charolais	Dereskit Improver	Jumper	Sesame	€129	30%	★★★★★	6.1%	34%	7.65%	€5	Gene Ireland	14
HHJ	Charolais	Heracles	Vittoz	Artois	€127	10%	★★★★★	5.5%	15%	7.65%	€5	NCBC	15
DBF	Charolais	Dereskit Invincible	Meillard Rj	Laheens Idol	€97	36%	★★★★★	7.5%	35%	7.65%	€5	Gene Ireland	16
YKM	Hereford	Moyclare Lucky	Brocca Saviour	Yarram Pompeii	€114	23%	★★★★★	4.7%	27%	4.15%	€5	Gene Ireland	17
YOB	Limousin	Barryroe Ice	Marquis	Brookmill Vindicator	€236	21%	★★★★★	5.8%	26%	4.95%	€5	Gene Ireland	18
KAC	Limousin	Keltic Isaac	Bavardage	Cloughhead Lord	€209	27%	★★★★★	5.7%	36%	4.95%	€5	Gene Ireland	19
LM2014	Limousin	Ewdenvale Ivor	Ewdenvale Everest	Ewdenvale Ace	€148	8%	★★★	4.9%	9%	4.95%	€5	Dovea	20
LM2010	Limousin	Raffertys Immanuel	Shire Milton	Ampertaine Abracadabra	€145	25%	★★★	5.1%	30%	4.95%	€5	Dovea	21
ZYH	Parthenaise	Alamira Harry	Ti Lapin	Panache	€158	23%	★★★	4.9%	30%	5.6%	€5	Gene Ireland	22
ZKY	Parthenaise	Kyle Herd Ivan	Azimet	Turbo	€136	18%	★★	4.0%	27%	5.6%	€5	Gene Ireland	23
ZBZ	Saler	Breffni Muzz	Ecrin	Ulysse	€225	14%	★	5.2%	23%	2.45%	€5	Gene Ireland	24
EMS	Shorthorn	Doon Erasmus P	Alta Cedar Perfect Storm	Lickeen Enda 5th	€171	18%	★★★	4.3%	27%	2.95%	€5	Gene Ireland	25
PPA	Simmental	Polar Edinson	Banwy T Rex	Samark Superman	€222	27%	★★★★★	4.6%	35%	5.3%	€5	Gene Ireland	26
KJG	Simmental	Knockane Dag	Curaheen Vio	Knockane Muscle-Master	€198	28%	★★★★	5.8%	37%	5.3%	€5	Gene Ireland	27
ETP	Simmental	Curaheen Evolution P	Auroch Bullet	Curaheen Tyson	€158	24%	★★★	6.9%	33%	5.3%	€5	Gene Ireland	28
AHC	Simmental	Auroch Deuter PP	Phs Polled Worldwide	Dirnanean Telstar	€118	10%	★	8.1%	18%	5.3%	€5	NCBC	29

Gene Ireland bull tendering process

- 19 GI bulls in the Spring Program.
- Bulls recently sold through tender process.
- Average price €3,000.
- 17 bulls purchased for the Autumn 2015 program.
- (4 LM, 2 CH, 2 SI, 2 HE, 2 AU, 2 SH, 1 PT, 1 SA, 1 BB.)
- These bulls will be going for tender in Summer 2015.

What are the benefits?

- Access to the best new maternal beef bulls in Irish AI
- Free weight recording of the bulls progeny
- Potentially sell progeny to Tully
- **€5 per straw**

Phone 1850 600 900 to Order Straws

Scope for Gene Ireland Use

A case study of Co. Mayo

- 5,284 suckler herds in 2014.
- 61,674 calves born (11.7 per herd).
- 3,076 herds using AI (58.2%).
- Yet only 53 herds in Gene Ireland in 2014 (1.7%).
- If increased to 5% that would mean an extra 100 herds taking straws (3.5 bulls tested)

That's in Mayo alone!!!

Thank You

