



UPDATE – for period 2nd to 8th October 2004

1 Genetic Evaluation Consultation Meetings

- **Reminder:**
 - **Beef meeting in Port Laois** at the Heritage Hotel on **Wednesday 13th** October starting at 10:30am.
 - **Dairy meeting at Moorepark**, Fermoy on **Thursday 14th** October starting at 13:30.
- Preparations for the meetings have been intense with Peter Amer resident at ICBF this week and next. Roel Veerkamp spent Tuesday with the team in Bandon. Denis Laloe from INRA (France) attended the Tuesday meetings to clarify options for incorporating international beef evaluations in Irish results.
- Roel is now back in Holland completing his preparations for next weeks meetings and is working closely with Peter Amer, Al Grogan, Victor Olori, and Andrew Cromie via email.

2 National Dairy Show – Millstreet Saturday 16th October

- Plans for the joint stand with IHFA, Progressive Genetics and Munster Cattle Breeding Services are progressing well.
- Invitations were sent on Thursday to some 15,000 dairy herd owners. A copy of the invitation is attached.
- Boards are being prepared covering Milk Recording, EBI, Database and Progeny Testing.

3 EBI reports

- EBI reports were sent to 6,905 herd-owners this week (see attached demo report). Some 314,131 cows and 213,592 young-stock received EBI's on these reports. The average herd EBI for herd-owners receiving reports was €18 with the top 1% of herds having an EBI of €43 or greater. The average EBI of cows on the reports was €20 with the top 1% of cows having an EBI of €87 or greater.
- In addition to sending EBI reports, herd-owners were given a financial summary of their top vs. bottom EBI cows. To ensure that similar groups of animals were selected, the analysis was restricted to cows just completed their 2nd to 5th lactations and with a last calving interval of 300-450 days. Some 2,709 herds had sufficient valid records for the comparison (all other herds received sample reports). The comparative performance of the top vs. bottom EBI cows from these herds is given in table 1.

Table 1. Financial comparison of high vs. low EBI cows on Irish dairy farms*

	High EBI	Low EBI	Difference	Euro value	Profit
Herds	2,709	2,709			
Cows	11,295	11,295			
Milk kg (305 days)	7,112	6,681	+431	-0.08	-€34
Fat kg (305 days)	278	236	+42	1.5	€62
Protein kg (305 days)	250	219	+31	5.22	€160
Fat%	3.93%	3.56%	+0.37%		
Protein%	3.53%	3.30%	+0.23%		
Calving Interval Days	368	377	-9	-7.09	€60
Overall profit/lactation					€248

* Based on cows with 2-5 lactations and a CI of between 300-450 days in last lactation.

- Based on data from 2,709 herds (22,590 cows in total), high EBI cows produced more solids (+73 kg solids) and had a 9 day shorter calving interval per lactation (on average 366 days). This equates to an increased profit/lactation of €248 in favour of the high EBI animals (after factoring in the economic



values for milk, fat, protein and calving interval). **These results clearly demonstrate the benefits of EBI as a selection tool on which to breed dairy herd replacements on Irish dairy farms.**

4 LIFT Scoring 2004 and linear scoring of other dairy breeds.

- Linear scoring of daughters of 42 progeny test bulls for 2004 were completed this week. This work was carried out by IHFA on contract to ICBF. A total of 1,792 progeny test daughters and contemporaries were scored in 239 herds over a 5-week period. Raw results data has been extracted for these bulls and forwarded to Edinburgh for genetic evaluations. Official type proofs will be available for these bulls on 17th November.
- In addition, IHFA have also been contracted to carry out linear inspection of other dairy breeds (including Jersey, Montbelliarde, Rotbunte, Normande and the Scandanavian Red breeds) on a trial basis. This work is progressing well (some 150 heifers have been scored to date) with very positive feed-back from the relevant breed societies.
- ICBF wishes to acknowledge the excellent service being provided by IHFA through its linear scorers Rob Hancock and Paul Boal in both of these pieces of work.

5 Dairy Genetic Evaluations

- Genetic evaluation for production and linear traits commenced yesterday and will be ready to go to INTERBULL by 26th October, due back on November 8th for release on Wednesday 17th of November.
- Results from INTERBULL test evaluation for production traits returned to Ireland this week. This will show the impact of base change and new Interbull genetic parameters on International evaluation. Results are currently being evaluated..

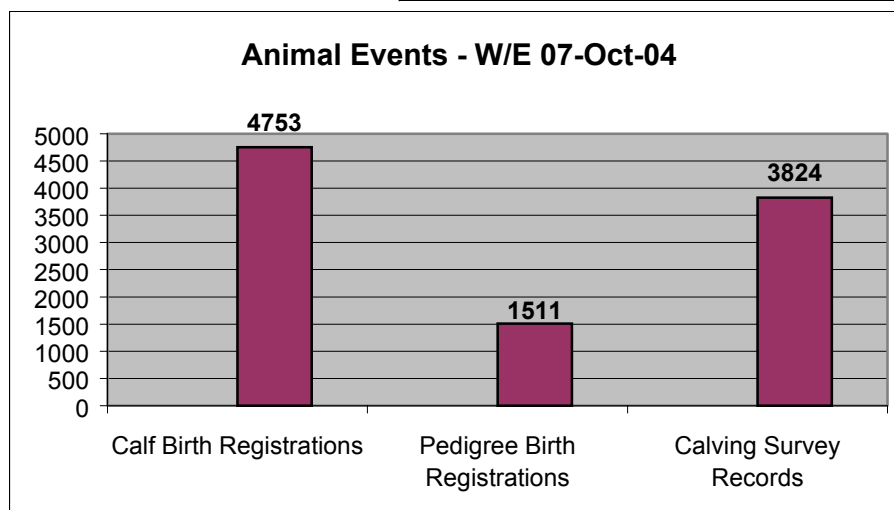
6 Tully

- Health test results for the October intake are returning. All bulls should be in Tully by the 15th of October.
- Applications for the November intake (entry on 20th November) are returning. The closing date for applications has been extended to Monday 11th October. A summary of the application forms is given in this table.

Tully intake November 2004. Application forms sent out from datatabase.	
Breed	Number
Aubrac	14
Blonde	20
Belgian Blue	18
Charolais	599
Hereford	215
Limousin	349
Piedmontese	5
Saler	34
Simmental	89
Total	1,343

7 Database Update

- 35 new Herds added to the database.
- The last of the October EBI reports have been put in the post today to 6,905 herds.
- Development of the facility which will allow internet users to query ancestry and performance on IHFA registered animals, via a link from the IHFA website to the ICBF database is being completed. This will be launched by IHFA at the National Dairy Show in Millstreet.



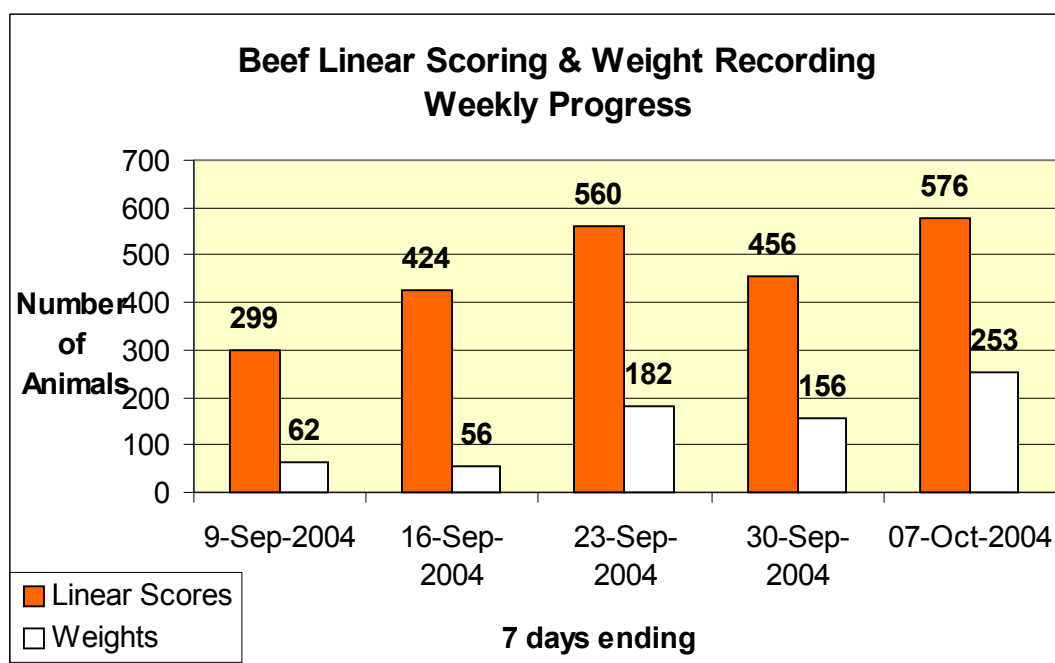


- A major campaign to get all AI and Teagasc customers signed up to the database is being planned and will be launched over the coming weeks.
- The first testing of the new AI handheld application will take place next week. Testing will take roughly three weeks, at which stage a field pilot will begin with the AI Organisations.
- Support of the New Beef Index project is on-going in terms of providing extracts/analysis/etc

8 Milk Recording – Summary to Date

Milk Recording Organisation	Herds Recorded Week 01/10 - 07/10	Herds Recorded year to date 2004
Progressive	425	2,209
Dairygold	266	1,605
Kerry	208	1,095
SWS	174	963
Tipperary	34	147
Connacht	24	120
Arrabawn	12	118
Total	1,143	6,257

9 Beef Linear Scoring and Weight Recording



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PARTNERS IN BREEDING

Invitation to National Dairy Show,
Green Glens Arena, Millstreet, Co. Cork.



Saturday 16th October starting at 11:00 am

We are writing to invite you to attend the National Dairy Show in Millstreet on Saturday 16th October.

Come and see the future of dairy cattle breeding. Together we are putting the latest developments in cattle breeding on display for farmers to see. If you are interested in any of the following you should attend.

Milk Recording - For the first time an entirely new way of milk recording is under trial in Ireland. Featured at Millstreet will be the new electronic milk recording equipment. This system has great potential to make milk recording both less hassle and less costly. We want to know what you think of this system.

Better Management Information - For the first time, the database that now lies at the heart of cattle breeding in Ireland will be at Millstreet. IHFA, Milk Recording and ICBF staff will be manning the computers and are looking forward to discussing any issues you have. The database is providing farmers with management information that is helping them make greater profits. Every dairy farmer wishing to improve their profitability should now be signing up to use Animal Events if they have not already done so.

The Worlds Best Bulls for Irish Dairy Farms - For the first time the impact of the EBI on bull selection will be on display. Over the last year Munster Cattle Breeding and Progressive Genetics have been working closely with ICBF to locate Irish bulls for progeny testing in 2005. Using EBI as the main criteria for selection a group of high EBI bulls have been selected. The dams of some of these bulls will be at Millstreet on display. With EBIs in the top 5% of the breed these cows are the type of cow that Irish farmers can expect to see more of in the future.

As a small incentive for taking the time to learn more about these major developments in cattle breeding we are offering three cash prizes of €500 cash. **Simply bring this letter with you to Millstreet on Saturday 16th October, answer the following questions (the answers can all be found at our shared stand), and put this letter into the box provided.** A draw will take place at 16:00 and the first three drawn with the correct answers will be awarded the prizes.

Question 1: What is the EBI of the bull mother with the highest EBI on display at our stand?

Question 2: How many electronic milk meters can be charged during transport in the van?

Question 3: What country won the European Championship at Agribex 2004?

We look forward to the possibility of seeing you at Millstreet.

Regards,
Brian Wickham
ICBF

Kevin Dillon
IHFA

Doreen Corridan
Munster Cattle Breeding

Denis Guilfoyle
Progressive Genetics



**P.S. Remember to bring this letter with you to Millstreet.
You will need it to enter the draw for the three €500 cash awards.**



ANDREW CROMIE
HIGHFIELD HOUSE,
BANDON,
CO CORK.

National ID: IE1234567

Dear Herdowner

6th October 2004

Enclosed are:

1. Herd EBI Reports
2. Top and Bottom EBI cows comparison for your herd

Please take time to study each of these, as they will greatly assist you in identifying the most profitable cows (and bulls) for breeding dairy herd replacements (or culling cows) this winter.

Herd EBI Reports. These contain information on the Economic Breeding Index (EBI) for Holstein Friesian females in your herd. The EBI is an indication of the expected profit/lactation from progeny of each female and contains information on milk production (60% weighting) and fertility/survival (40% weighting) traits. It reflects the animals ancestry (e.g., sire, dam, maternal grand sire) and includes information on the animals own performance (provided the cow is calved and in milk recording). Where the animal is not in milk recording (e.g. young-stock), the EBI is based on just ancestry information.

Top and Bottom EBI cows comparison for your herd. There are very clear indications that the EBI is the most valuable tool when breeding dairy herd replacements. e.g., recent work from Teagasc Moorepark has indicated that high EBI cows left more profit/lactation than cows of lower EBI. **To further confirm this, ICBF have taken information for cows in your herd (provided sufficient valid records were available) and compared the top and bottom EBI cows in terms of overall profit per lactation. The results indicate that across some 2711 herds with sufficient data, high EBI cows left €249 more profit per lactation than low EBI cows.** Where there were insufficient records for your herd, a sample report has been included. The difference in profit/lactation should convince you that EBI is the best tool to identify the most profitable cows (and bulls) for breeding!

I hope these reports will be of value to you in your decision making over the coming months. If you have any questions or comments, please call the Animal Events Helpline at 1850-625-626.

Yours sincerely,



Brian Wickham
Chief Executive, Irish Cattle Breeding Federation

These reports are provided as part of the service from your milk recording, AI and herdbook organizations including; Arrabawn Co-op, Connacht Gold Co-op, Dairygold AI & Farm Services, South Eastern Cattle Breeding Society, Irish Holstein Friesian Association, Kerry Agri Business, Progressive Genetics, South Western Services and Tipperary Co-op.

Economic Breeding Index (EBI) Herd Summary Report - Oct 2004

Herd Owner: ANDREW CROMIE
Herd Number: IE1234567

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Group	Number of Cows	M Kg	F Kg F%	P Kg P %	Surv% CI Days	TYP F&L MA	EBI (€) Rel
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1. Active Cows in Milk Recording

Average EBI for all Holstein Friesian cows with; (i) a known sire (or milk recorded progeny with a known sire), (ii) valid lactation record (between 1 and 5) and (iii) are currently on your farm.

Overall	95	200	7.8	8.9	0.0	-0.1	39
			0.00	0.04	0.4	-0.0 -0.0	35%
1st Lactation	30	223	8.8	10.1	0.0	0.1	45
			0.01	0.05	0.5	-0.2 0.1	30%
2nd Lactation	10	120	5.4	6.7	0.2	-0.4	39
			0.02	0.06	-0.5	0.0 -0.3	34%
3rd Lactation	15	206	8.0	9.6	0.1	0.1	42
			0.00	0.05	0.7	0.0 0.1	36%
4th Lactation (+)	40	202	7.5	8.2	0.0	-0.1	34
			0.00	0.03	0.5	0.0 -0.1	39%

2. Dairy Youngstock

Average EBI for all Holstein Friesian youngstock with a known sire and are currently on your farm. Please note that this summary may be incomplete due to young-stock not yet (or just recently) registered.

Females 0-9 months	25	211	8.4	10.0	0.4	0.1	52
			0.01	0.06	0.0	0.0 0.2	28%
Females 9+ months	55	205	8.0	9.4	0.2	0.1	45
			0.01	0.05	0.3	-0.2 0.2	31%

3. Herd Performance

Herd figures are expressed relative to all herds in milk recording, where the herd has a minimum of 30 animals with a valid EBI record.

		€		Btm 10%	Achievable
1. Active Cows in Milk Recording	Your Herd	39		3	30
	National Average	18			
2. Dairy Youngstock	Your Herd	45		16	34
	National Average	26			

A Comparison of the Top and Bottom EBI Cows in your Herd for Overall Profit/Lactation

Steps taken:

1. Only cows that have completed 2-5 lactations and where the calving interval range was between 300 and 450 days were included in the analysis.
2. The top 5 and bottom 5 EBI cows from this group were selected and the following data extracted from the ICBF cattle breeding database:
 - Official 305-day yields for milk kg, fat kg and protein kg
 - Last 2 calving dates from Animal Events
3. Average milk production and calving intervals were calculated for both groups (denoted A & B) and the average difference between the 2 groups (denoted C) established.
4. The economic values from the EBI were then used to quantify the economic benefit of the high EBI group vs. the low EBI group (denoted D).

Table 1. Top 5 EBI Cows

Cow FB No.	EBI	Sire	Last Completed Lactation Details								Last Calving Details		
			Age	L Lact	Days	M Kg	F Kg	P Kg	F%	P%	Last	Prev	CI Days
362	€70	EZF	8y 2m	5	305	10734	474	366	4.42%	3.41%	13-Nov-03	21-Nov-02	358
444	€65	JOS	3y 11m	2	305	8696	344	334	3.96%	3.84%	27-Mar-04	29-Jan-03	424
10	€64	EZF	8y 0m	5	305	9138	416	337	4.55%	3.69%	09-Feb-04	19-Feb-03	356
3600	€62	GMI	4y 2m	2	305	7680	398	290	5.18%	3.77%	10-Dec-03	08-Oct-02	429
148	€61	ELC	6y 8m	4	305	8449	392	311	4.64%	3.68%	11-Nov-03	17-Oct-02	391
A AVE	€64		6y 2m	4	305	8939	405	328	4.55%	3.68%	02-Jan-04	07-Dec-02	391

Table 2. Bottom 5 EBI Cows

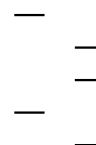
Cow FB No.	EBI	Sire	Age	L Lact	Days	M Kg	F Kg	P Kg	F%	P%	Last	Prev	CI Days
48	-€5	ESQ	7y 7m	4	305	10781	443	335	4.11%	3.11%	10-Oct-03	04-Oct-02	372
41	-€1	ESQ	7y 9m	4	305	9037	426	303	4.71%	3.35%	28-Nov-03	19-Sep-02	436
372	€7	BRF	8y 4m	5	305	10938	514	359	4.7%	3.28%	24-Jan-04	09-Nov-02	442
285	€10	ERM	5y 4m	3	305	9372	333	315	3.55%	3.36%	11-Mar-04	02-Feb-03	404
286	€10	FAL	4y 11m	2	305	7590	343	300	4.51%	3.95%	01-Oct-03	16-Sep-02	381
B AVE	€4		6y 9m	4	305	9544	412	323	4.32%	3.41%	09-Dec-03	29-Oct-02	407

Table 3. Economic Difference

C	Difference	€60				-604.2	-6.8	5.05					-15	
	Economic Values					-€0.08	€1.5	€5.22					-€7.1	Overall
D	Profit/lactation					€48.3	-€10.2	€26.4					€109.3	€174

Based on information from the last lactation:

1. High EBI cows produced 604.2 kg less milk carrier generating a relative profit of +48.3 euro/lactation (cost of transporting and processing milk is 0.08 euro/kg).
2. High EBI cows produced 6.8 kg less milk fat generating a relative loss of -10.2euro/lactation (value of 1kg fat is 1.5 euro after accounting for feed and quota costs).
3. High EBI cows produced 5.05 kg more milk protein generating a relative profit of +26.4 euro/lactation (value of 1kg fat is 5.22 euro after accounting for feed costs).
4. High EBI cows had a 15 day shorter calving interval generating a relative profit of +109.3 euro/lactation (cost of increased calving interval is 7.09 euro/day).
- 5. High EBI cows had an increased profit/lactation of 174 euro.**



How does your herd rank on EBI value ?

The Economic Breeding Index is the most accurate way of establishing expected profit from your herd from breeding.

Table 1 indicates where your herd ranks in EBI value relative to all herds in milk recording (this is based on some 4969 herds with >30 cows in milk recording).

Table 1. Ranking of Herds on EBI value

Top 1%	Top 5%	Top 10%	Top 25%	Ave.	Btm 25%	Btm 10%	Btm 5%	Btm 1%
€43	€34	€30	€24	€18	€11	€3	- €2	- €17

If your herd has an overall EBI value of €30 (or greater), then your herd is in the top 10% of herds in the country. If your herd EBI is €3 (or less), then you are in the bottom 10%.

How can I increase the EBI of my herd and hence increase profit from breeding.

1. Identify the highest EBI cows in your herd from your EBI report.
2. Mate these cows to bulls from the "Active Bull List".
3. Where possible cull/sell surplus cows on the basis of EBI.

This will ensure that the profit generated from your dairy herd is increased in the future.

Top Cows on EBI value

The ranking of cows on EBI value is given in Table 2. If you have a cow with an EBI value of €61 (or greater), then she is ranked in the top 5% of all cows in the National milk recording population (based on 309,398 animals in milk recording and with an EBI value).

Table 2. Ranking of Animals on EBI value

Top 1%	Top 5%	Top 10%	Top 25%	Ave.	Btm 25%	Btm 10%	Btm 5%	Btm 1%
€87	€61	€51	€36	€20	€3	- €12	- €22	- €40

Economic Breeding Index (EBI) Animal Report

Herd Owner: **ANDREW CROMIE**
Herd No: **IE1234567**
Page: **1(14)**

Cow ID Name Breed	Sire ID Dam FB MG Sire ID	Sire EBI Dam EBI MGS EBI	Sire Name Dam Tag/HB No. MG Sire Name	C. Date Age Lact.	M Kg	F Kg F %	P Kg P %	Surv% CI (Days)	TYP F&L MA	EBI (€) Rel. Herd Rk.
8 H JERRI 5 HO 84.4% FR 15.6%	IEHIGH0008G ASE 318 DSK	52 45 25	SILVER BEAT ET DSK184229 SHEIKSON	02/02/2004 8y 7m 7	191	15.5 0.15	10.5 0.08	1.4 -1.1	-0.4 0.4 0	€ 86 38% 1
10 H IRIS 4 HO 87.5% FR 0%	IEHIGH0010V EZF 342 EZB	48 72 80	FERRARI DDL529664 BOWI	09/02/2004 8y 8m 6	260	15.5 0.10	15.0 0.11	-0.2 2.1	-0.1 0.3 0.1	€ 64 40% 10
20 H LILAC 6 HO 84.4% FR 3.1%	IEHIGH0020S EZF 343 VDR	48 34 29	FERRARI HAB755515 80	06/10/2003 8y 7m 5	-85	6.5 0.20	2.5 0.11	0.2 -0.7		€ 37 40% 51
39 H JERRI 6 HO 62.5% FR 12.5%	IEHIGH0039U ASE DIJ	52 -19 -13	SILVER BEAT ET DWA896192 JERICHO	14/10/2003 8y 7m 6	1	3.0 0.06	-2.5 -0.05	0.7 -0.5	-1 0.1 -0.4	€ 2 40% 92
41 H NANCY 5 HO 87.5% FR 12.5%	IEHIGH0041J ESQ 246 VKS	13 14 52	ESQUIMAU HHH561689 KLAUS	28/11/2003 8y 7m 5	-11	-1.0 -0.01	0.5 0.02	-0.6 -0.5	0.5 0.8 0.5	- € 1 40% 93
48 H EMMA 4 HO 75% FR 12.5%	IEHIGH0048T ESQ 320 DDB	13 -22 41	ESQUIMAU DYK923938 DRIEHOEKESTER 165	10/10/2003 8y 6m 5	333	6.0 -0.12	6.5 -0.08	-1.3 1.0	0.1 0.7 0.1	- € 5 40% 94
61 H LEONE 3 HO 84.4% FR 3.1%	IEHIGH0061C ESQ 330 OMR	13 8 39	ESQUIMAU DDL529037 OMAR	23/10/2002 8y 0m 5	217	-1.0 -0.17	7.0 -0.01	-0.4 -1.9	0.4 0.8 0.3	€ 27 41% 72
67 H ROSE 5 HO 62.5% FR 37.5%	IEHIGH0067P ELC 271 WYT	42 -22 -9	CASH DSK88576 BARONET ET	31/10/2003 8y 0m 6	-1	6.0 0.12	1.5 0.03	0.6 -1.9	-0.6 -0.9 -0.6	€ 37 39% 50
107 H SNOWDROP 4 HO 62.5% FR 25%	IEHIGH0107E DCJ LSR	-28 9 30	JABOT 0101578582 SOLDIER ET	03/12/2002 7y 10m 3	173	14.5 0.14	6.0 0.01	-0.1 3.1	-0.4 0.6 -0.4	€ 17 37% 80
126 H NEWBREEZE 2 HO 78.1% FR 21.9%	IEHIGH0126A JOS 321 OMR	29 36 39	JOSTAR DYK923687 OMAR	04/11/2002 7y 8m 4	436	9.5 -0.12	16.0 0.03	-0.4 2.3		€ 43 39% 43
136 H MARIA 7 HO 46.9% FR 40.6%	IEHIGH0136W ELC 247 BEY	42 46 42	CASH DSK184765 ECONOMY	10/02/2004 7y 7m 6	219	7.5 -0.02	9.5 0.04	0.6 -0.3	-1.2 -0.5 -1.2	€ 52 40% 29
148 H IRIS 5 HO 84.4% FR 3.1%	IEHIGH0148P ELC 342 EZB	42 72 80	CASH DDL529664 BOWI	11/11/2003 7y 7m 5	250	9.5 0.00	12.0 0.07	1.0 1.0	-0.3 -0.3 -0.4	€ 61 40% 16
167 H NANNYBREEZE 9 HO 53.1% FR 46.9%	IEHIGH0167K ELC 261 TBN	42 -35 -33	CASH DMK159404 BERLIN	03/03/2004 7y 6m 6	141	3.0 -0.05	5.5 0.02	0.2 1.5	-1.5 -0.5 -1.1	€ 14 40% 84
182 H AMANDA 74 HO 71.9% FR 28.1%	IEHIGH0182P ELC 313 BUZ	42 38 28	CASH DYK923916 VADUZ	17/03/2003 7y 0m 3	357	16.5 0.05	10.5 -0.02	0.4 -0.8	-0.1 -0.3 -0.4	€ 61 38% 15

Economic Breeding Index (EBI) Animal Report

Herd Owner: **ANDREW CROMIE**
Herd No: **IE1234567**
Page: **12(14)**

Cow ID Name Breed	Sire ID Dam FB MG Sire ID	Sire EBI Dam EBI MGS EBI	Sire Name Dam Tag/HB No. MG Sire Name	C. Date Age Lact.	M Kg	F Kg F %	P Kg P %	Surv% CI (Days)	TYP F&L MA	EBI (€) Rel. Herd Rk.
0752 H MARIA 18 HO 90.6% FR 9.4%	IE123456790752 AAP 519 FAL	59 26 38	PATRON SPOCK IE123456760519 FATAL		282	5.7 -0.10	11.3 0.04	0.0 0.8	0.9 -0.1 1	€ 38 24%
0757 H AMANDA 38 HO 93.8% FR 6.3%	IE123456750757 ESZ 0596 MFX	61 49 56	SLOGAN IE123456710596 FERRO	0y 7m	53	6.0 0.09	6.0 0.09	1.7 -2.7	-0.5 0	€ 74 29%
0758 H NORA MAY 58 HO 81.3% FR 18.8%	IE123456760758 MFX 200 ASI	56 29 49	FERRO IEHIGH0200Q INGOT	0y 7m	136	6.5 0.03	8.8 0.09	0.1 0.3	-0.5 -0.6 -0.6	€ 44 37%
0759 H IRIS 18 HO 93.8% FR 0%	IE123456770759 GMI 10 EZF	76 69 48	MERCI ET IEHIGH0010V FERRARI	0y 7m	222	13.8 0.10	12.8 0.10	0.2 0.5	0.3 -0.1 0.7	€ 68 35%
0761 H MARGO 12 HO 96.9% FR 3.1%	IE123456710761 AHD 487 63228390338	43 81 64	ARCHIBALD IE123456780487 EUROPE ET	0y 7m	200	5.8 -0.03	11.3 0.09	0.8 -0.8	0.2 0.9 0.1	€ 66 33%
0762 H NANNYBREEZE 27 HO 93.8% FR 6.3%	IE123456720762 ESZ 603 MFX	61 45 56	SLOGAN IE123456780603 FERRO	0y 7m	205	9.5 0.04	9.5 0.06	1.3 -0.9	-0.2 -0.8 -0.1	€ 67 29%
0764 H MARIA 19 HO 93.8% FR 6.3%	IE123456740764 ESZ 589 ELC	61 46 42	SLOGAN IE123456720589 CASH	0y 7m	138	7.5 0.04	7.8 0.07	1.3 -2.0	0.1 -0.6 0.3	€ 69 29%
0767 H IRIS 19 HO 96.9% FR 3.1%	IE123456770767 AHD 431 FAL	43 47 38	ARCHIBALD IE123456710431 FATAL	0y 7m	266	4.0 -0.11	12.0 0.06	1.0 0.4	0.4 0.8 0.4	€ 55 33%
0769 H IRIS 20 HO 96.9% FR 3.1%	IE123456790769 AAP 226 CAU	59 67 42	PATRON SPOCK IEHIGH0226V AMOS	0y 7m	361	10.7 -0.06	14.8 0.05	0.0 0.9	0.8 0.1 0.9	€ 57 25%
0770 H MILLIE 16 HO 93.8% FR 0%	IE123456720770 IRL 205 ASI	56 55 49	IRNALD IEHIGH0205E INGOT	0y 7m	220	12.6 0.08	10.7 0.07	-0.5 -0.3	0.2 -0.1	€ 54 26%
0772 H MARIA 20 HO 90.6% FR 9.4%	IE123456740772 GMI 340 NWL	76 49 62	MERCI ET IE123456710340 RONALD	0y 7m	204	8.8 0.02	10.5 0.07	0.5 -0.7	0.6 0.4 0.9	€ 62 35%
0773 H NANNYBREEZE 28 HO 78.1% FR 21.9%	IE123456750773 RGK 167 ELC	31 10 42	RGK TAUS IEHIGH0167K CASH	0y 6m	215	7.3 -0.02	10.6 0.07	-0.2 1.5	-0.9 -0.4 -0.4	€ 37 24%
0776 H JERRI 19 HO 96.9% FR 3.1%	IE123456780776 HZI 255 LRE	37 -14 -31	AMAZING IEHIGH0255N	0y 6m	168	7.5 0.01	6.8 0.03	-1.0 2.0	0.3 0.8 0.2	€ 9 16%
0781 H AMANDA 39 HO 90.6% FR 9.4%	IE123456750781 DCD 0594 MFX	60 41 56	COERD IE123456780594 FERRO	0y 5m	288	11.4 0.01	11.3 0.04	0.0 0.6	-0.4 -0.3	€ 48 23%