

Breeding for expansion

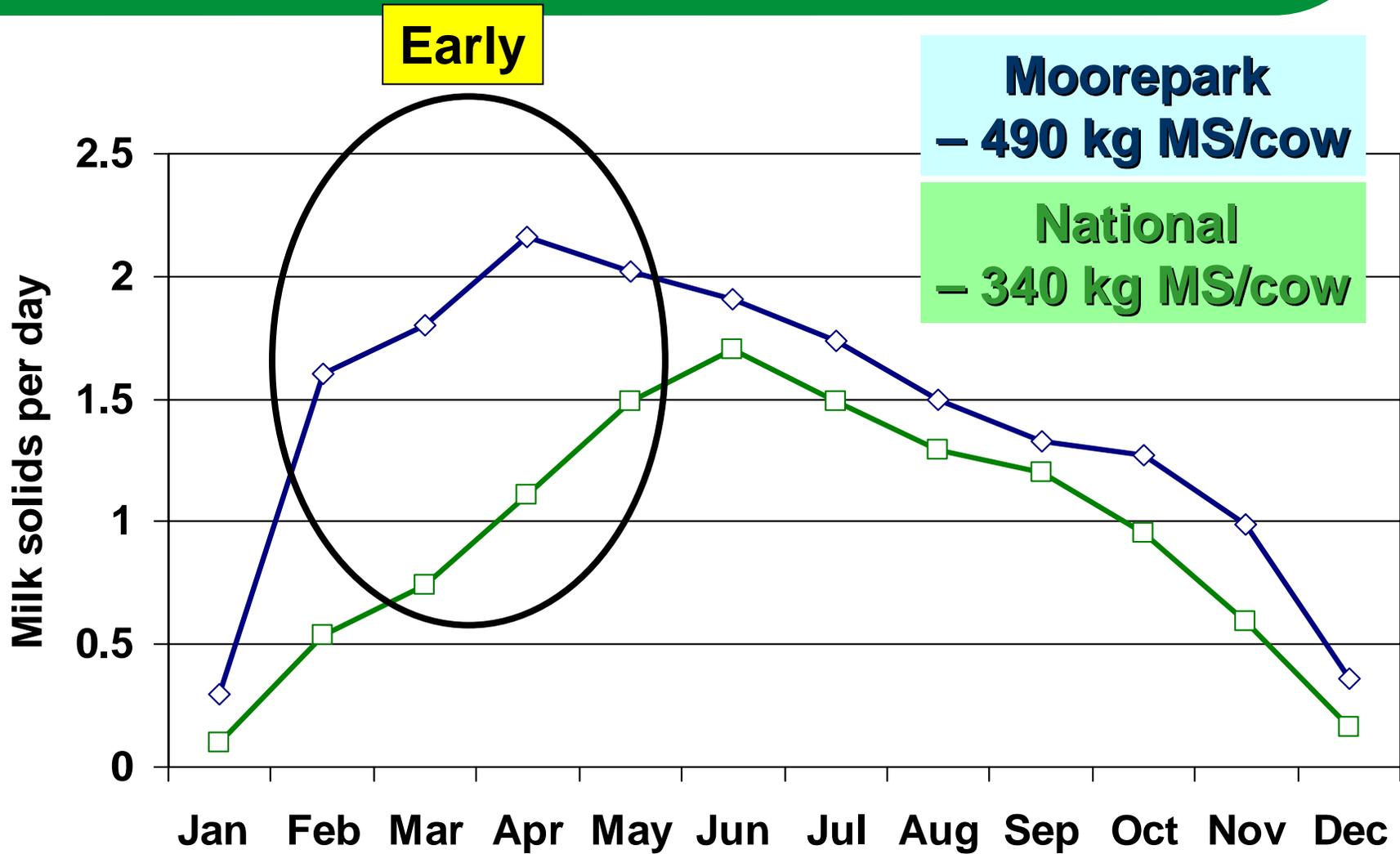
George Ramsbottom
Teagasc Oak Park

Seamus Quigley – National Dairy Conference

1. **Purchased the wrong cow**
2. **Not enough heifers reared in early years**
3. **KNOWLEDGE IS KING**



1. The wrong cow



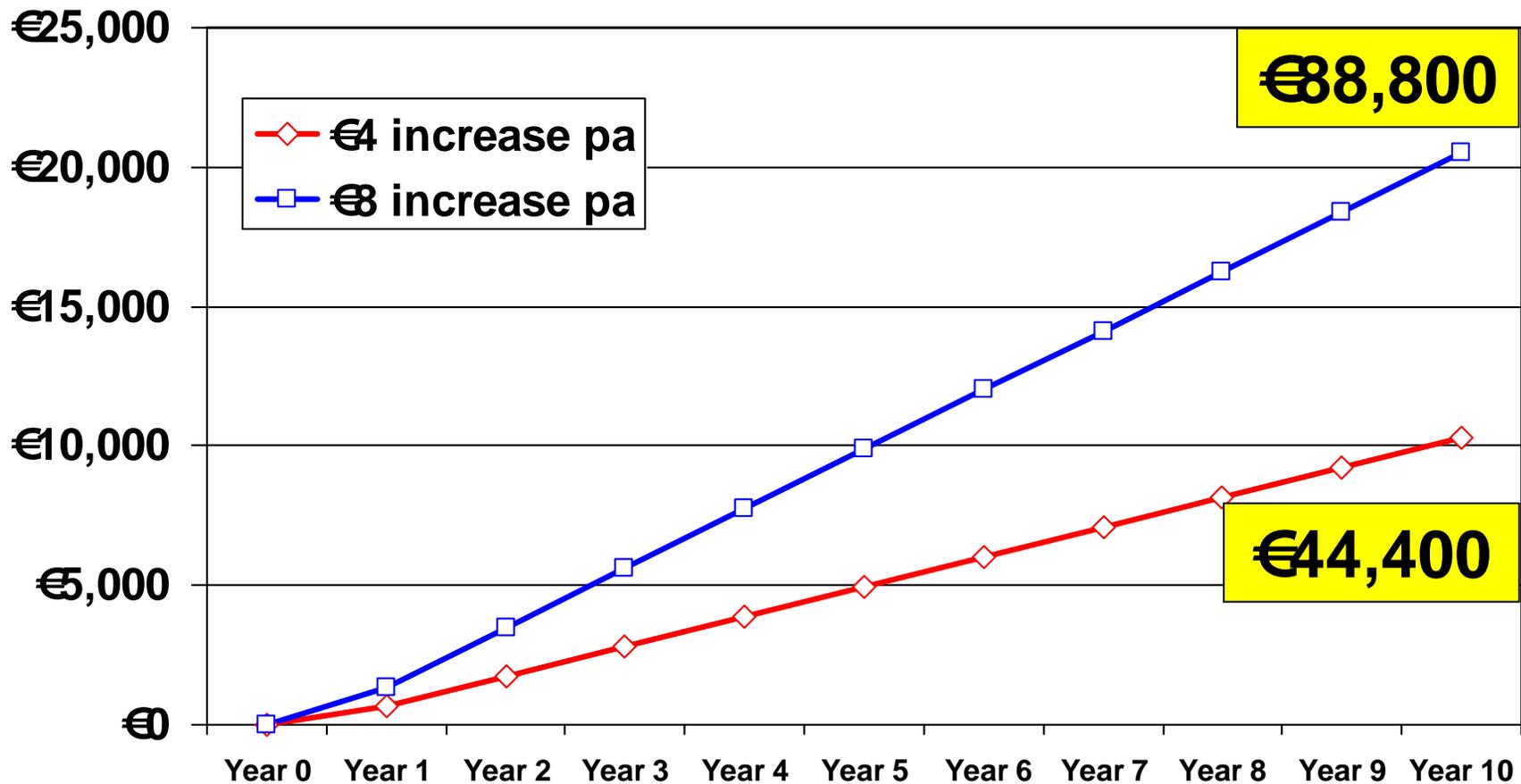
Profit Monitor Analysis - *Profit per cow*

€1 increase	
Herd EBI	+ €3.60 profit/cow
Milk Index (€)	No effect
Fertility Index (€)	+ €3.60 profit/cow

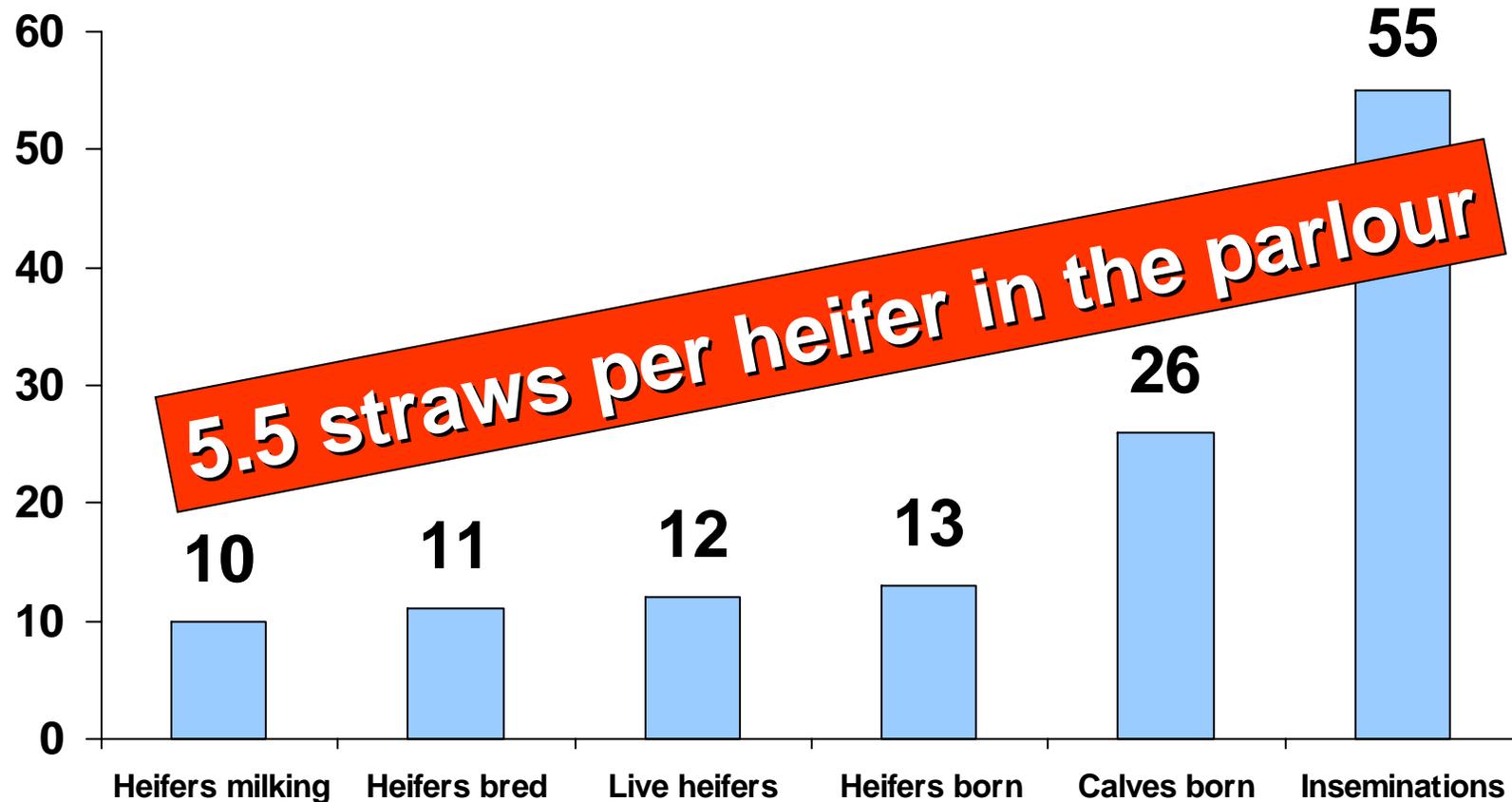
Teagasc Target = Lift herd EBI by €5 p.a.

Economic impact of EBI increase

- 100 cow herd



2. Not enough replacements



EBI €100 group competition

- **2007**
 - 10,800 cows
 - 16,200 inseminations (1.5 straws per cow)
- **2008**
 - 3,700 live heifer calves (8% mortality)
- **2010**
 - 3,100 heifers in milk (84% make the parlour)
 - **Less** 2,150 culls
- **950 heifers for expansion – 9% increase**

Straw use and herd expansion

Straws used per cow (2008)	Herd size change 2011
1.0	-1%
1.25	+4%
1.5	+9%
1.75	+14%
2.0	+18%

3. Knowledge is king

Profit Monitor - track your cost

Category	Cost	Contribution
Milk	1000	1000
Feed	200	-200
Health	50	-50
Other	100	-100
Total	1350	650

Profit Monitor
- track your cost

EBI Report
- Milk vs fertility

1. EBI Herd Summary
Average EBI for (i) a known sire (or milk recorded progeny with a known sire) and (ii) are currently on your farm.

Group	F% P %	Surv% CI Days	Milk Solids % Contrib	Fertility % Contrib	Calving % Contrib	Beef % Contrib	Health % Contrib	EBI €
Overall Cows	0.09	1.3	€ 36.3	€ 37.9	€ 12	€ -4.2	€ -1.4	€ 80
	6.7	0.08	-2.3	42.1%	44%	13.0%	0%	

Active Bull List
- pick 5 sires

ICBF ACTIVE BULL LIST - DAIRY AI Sires - SPRING 2007

Sire Code	Sire Name	EBI DETAILS										FERTILITY				CALVING			BEEF	
		EBI	Re	Ons	Milk	FERT	CALV	BEEF	HEALTH	MFG	F Kg	F Pk	PN	Pk	CI	Surv	% CO	OL		Cal
1 RUU RUUD	JUSTICE	€172	79	93	64	€42	€91	€33	€2	€3	221	13.5	9.0	0.98	0.63	-5.8	2.6	-4.7	-3.4	5.1
2 CU D-BEEF	JUSTICE	€169	73	-	67.4	€60	€39	€14	€10	€16	€16	21.1	19.3	-0.04	-0.01	-3.1	2.5	-5.2	-4.2	-4.1
3 HKU HKUKU	JUSTICE	€138	78	120	45	€0	€108	€15	€36	€7	168	-5.5	0.0	€11	0.07	-2.7	3.4	1.3	2.1	15.3
4 ILZ LIZAC	JUSTICE	€137	85	285	128	€15	€96	€3	€28	€2	132	2.9	4.5	-0.06	0.01	-5.6	3.3	-2.5	2.1	15.4
5 TH TITTENSE	JUSTICE	€131	86	156	88	€23	€102	€10	€12	€0	-318	-3.5	1.5	0.10	0.18	-4.5	3.0	-5.0	-2.4	-5.3
6 INW WONONE	JUSTICE	€128	89	54	30	€10	€78	€7	€21	€3	-195	3.0	0.0	0.22	0.14	-4.1	3.1	-2.2	0.1	9.6
7 HFL HEDRA FEL	JUSTICE	€127	82	485	187	€47	€52	€34	€3	€3	210	17.0	9.0	0.16	0.04	-3.5	1.3	-5.1	-3.4	-1.0

Milk Recording
- culling strategy

Milk Recording - Summary Farm Report

DAIRY GOLD AI AND FARM SERVICES
WEST END
MALLOW CO. CO. K
Tel: 02041611

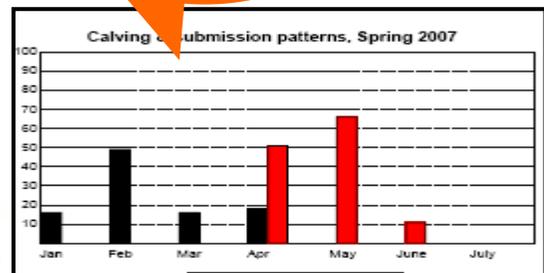
Herd owner: PAT CRONIN
Herd No: 8E1417638
Print date: 03/08/07
Test date: 01/08/07

1. Production summaries

Group	Number of cows recorded	Average days in milk	M Kg	M Gall	F%	P%	Fat	Protein	SCC	EBI
Overall	49	156	23.7	5.1	3.83	3.55	4.54	0.91	159	80
			4432	947	3.87	3.32	4.62	172	0	
			7102	1517	4.01	3.50	4.62	285	3	

Fertility Report
- 90% submitted in 3 weeks

Calving Report
- 80% calved in 6 weeks



Summary

- **Breed the right cow**
 - EBI €100 : Milk index €40+ Fertility index €50
- **Use enough AI**
 - 1.5 straws per cow for 10% expansion
- **Use the reports available**
 - To plan
 - To monitor
 - To analyse