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Background

- Established in the Autumn of 2008
- Part of Teagasc Response to the Malone sheep report
- Objective: establish focal points for implementation,
 evaluation and demonstration of technology
- Goal to increase the productivity and profitability of the sheep enterprise



sheep programme

Background

- · Initially 3 hill flocks & 4 lowland flocks were recruited
- Farmers selected primarily on the basis of willingness to improve their sheep enterprise and adopt technology
- Each farmer willing to share detailed information about their own flock
- Additional flocks were recruited in 2012





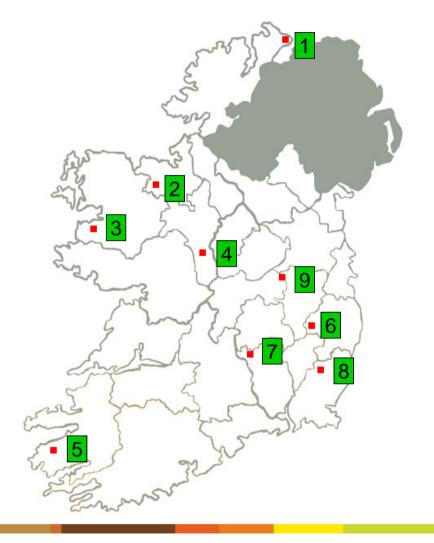


Hill Flocks

- 1 David Mc Laughlin
- 2 Colm O'Donnell
- 3 James Lally

Lowland Flocks

- 1 David Mc Laughlin
- 4 John Curley
- 5 Brendan O'Sullivan
- 6 John Kelly
- 7 Brian Nicholson
- 8 John Doyle
- 9 Andrew Maloney





The Irish Agriculture and Food Development Authority

Farm Plan

- Initial step in the programme to develop a 3 to 5 year plan for each flock
- Plan focused on a number of key areas:
 - Flock size
 - Farm layout
 - Breeding policy
 - Grassland management
 - Parasite control
 - Winter management
 - Overall flock management
- Aim to develop a more productive and profitable system for each flock



Grassland management

- Vital to improve flock profitability
- Winter Management
 - Closing date
 - Extended grazing
- Matching lambing date to grass supply
- Measurement weekly to make decisions
- Manage to appropriate sward height
- Reducing paddock size
- Reseeding
- Ensure soil fertility is correct
- Improve silage quality









Parasite control

- Anthelmintic resistance is a serious issue facing the sheep industry
- Evidence for resistance on BETTER farms (*Good et al.2011*)
 - Benzimidazole: all farms
 - Levamisole: 2 farms
 - Macrocylic lactone: no resistance found
 - AAD's: no resistance found
- Aim to implement a more sustainable system of parasite control
- Samples collected fortnightly for FECPAK analysis
- FEC counts used to aid dosing decisions



Flock productivity - Lowland flocks

	Season				
	National Average	2008/09	2009/10	2010/11	Target
Litter size	1.55	1.71	1.77	1.86	1.9
Ewes lambed (%)	92	90.2	93.8	97.3	>94
Lamb Mortality (%)	9	7.8	8	8.5	<10
Lambs weaned per ewe joined	1.3	1.42	1.53	1.66	>1.6

- · Output per ewe key driver of profit Major opportunity to increase
- Considerable improvements in 2 years
- · Benefits of breeding policy and better flock management





Lamb weaning weight (kg) on Lowland BETTER Farms

Season

Birth type	2008/09	2009/10	2010/11	Target
Single	36.5	37.2	37.7	>38
Twin	31.7	32.5	32.8	>33
Triplet	30.5	31	32	>32

- · Focused on improving performance from a grass based diet
- Reduced concentrate supplementation
- Lamb performance has increased by 1.2, 1.1 and 1.5 kg for singles twins and triplets



Flock productivity - Hill Flocks

	Season			-
	2008/09	2009/10	2010/11	Target
Litter size	1.18	1.29	1.32	1.3
Ewes lambed (%)	88.2	79.5	95.9	>92
Lamb Mortality (%)	7.8	10.3	13.1	<10
Lambs weaned per ewe joined	0.96	0.92	1.1	1.1

- National average for Blackface flocks:
 - > 0.8 lambs reared per ewe joined
- · Improve ewe weight and condition prior to joining
- Guard against ram infertility





Lamb weaning weight (kg) on Hill Better Farms

Season

Birth type	2008/09	2009/10	2010/11	Target
Single	23.9	28.0	27.6	> 21
Twin	20.9	24.1	24.4	> 25

- Focused on strategically using semi-improved areas
- Produce crossbred lambs:
 - 3 4 kg heavier than purebreds at weaning
- Lamb performance has increased by 4.1 and 3.7 kg for singles and twins respectively



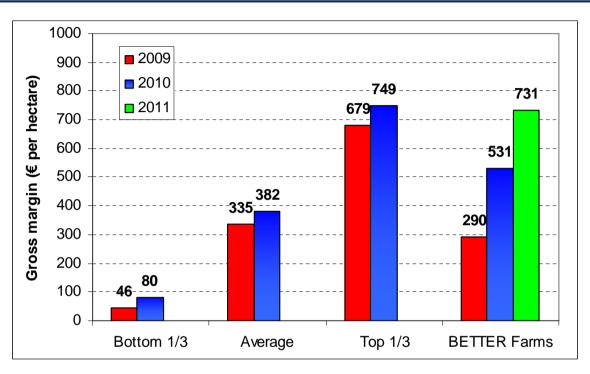
Financial performance Lowland Flocks (€ per hectare)

	Year		
	2009	2010	2011
Gross output	857	1051	1271
Total Variable costs	567	520	540
Gross Margin	290	531	731

- Substantial improvement in financial performance
 - Gross output has increased by 48%
 - Variable costs have decreased by 5%
 - Gross margin has increased by 152%



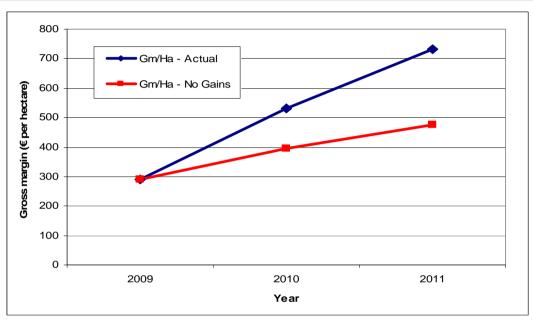
E-Profit monitor comparison – Lowland Flocks



- Year 1 started below E-profit monitor average
- Significant improvements in 2 years potential to increase further



Lowland Sheep BETTER Farms - Actual Gross Margin compared to Gross Margin if no productivity gains since 2009



- Revenue is kept constant in both scenarios
- For No Gains scenario costs are inflated using the CSO index
- Increased productivity contributed to 58% of overall increase



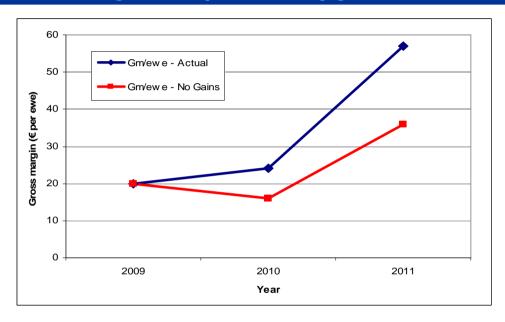
Financial performance Hill Flocks (€ per ewe)

	Year		
	2009	2010	2011
Gross output	42.71	45.02	72.31
Total Variable costs	22.88	20.91	15.24
Gross Margin	19.83	24.11	57.04

- · Substantial improvement in financial performance
 - Gross output has increased by 69%
 - Variable costs have decreased by 33%
 - Gross margin has increased by 188%



Hill Sheep BETTER Farms - Actual Gross Margin compared to Gross Margin if no productivity gains since 2009



- Revenue is kept constant in both scenarios
- · For No Gains scenario costs are inflated using the CSO index
- Increased productivity contributed to over 40% of overall increase



Key points

- Each flock has the potential to improve their own performance and profitability
- Adopt a 3 to 5 year plan to address key areas influencing production
- · On the BETTER farms significant improvements in productivity
- Overall Gross margin has increased by €400 per hectare on lowland flocks
 and by € 37 per ewe on hill flocks
- The BETTER Farms are a resource for sheep farmers and each farm is willing to share their results and experiences





We would like to acknowledge the contribution of the farmers and their families and all the Teagasc staff involved in the programme

