Setting new targets for a new era in dairying

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WHY ARE NEW TARGETS NEEDED?

- Confusion what's included & what's not
- Need to understand your own figures
- Land limiting not volume
- €2500 per hectare what are the targets?
- Right KPIs = more progress
- Reverting to accounts to evaluate

Set Goals

- 1. Identify best farm financial KPIs
- 2. Set them as the gold standard
- 3. Present them to the whole industry
- 4. Get buy in from:
 - 1. Farmers
 - 2. Teagasc
 - 3. Banks/consultants/others
- 5. Keep it simple

Deliberations

Issues	Decision
Cash flow vs. net profit	Both important – both in report
Inventory	Remain the same
Depreciation	Needs to be consistent (5%/10%)
Labour	All labour – hired + owned
Contract rearing	Needs its own category
Land charge	Not included
Return on Asset	Needs to be generated

Gross output

Total costs

Net profit

Cash flow

Return on Asset

Gross output Total costs Net profit Cash flow

Return on Asset

	Total	
Gross output		
Total costs		
Net profit		
Cash flow		
Return on Asset		

	Total	Per ha farmed
Gross output		
Total costs		
Net profit		
Cash flow		
Return on Asset		

	Total	Per ha farmed	Moorepark targets
Gross output			
Total costs			
Net profit			
Cash flow			
Return on Asset			





Driving profitability per hectare

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Moorepark2017



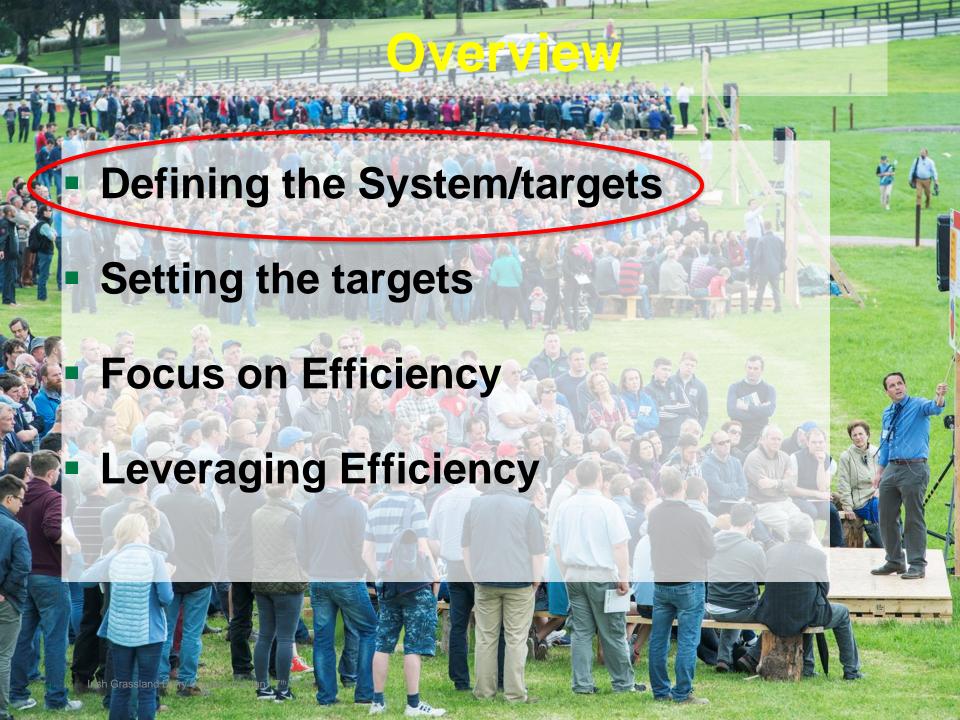




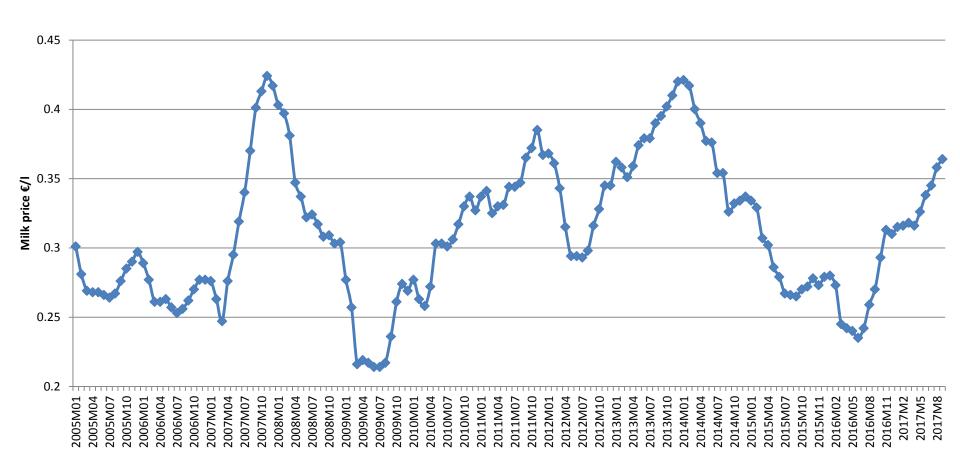








Milk Price





Defining the System

- Resilient
- Simple and enjoyable
- Labour efficient
- Highly profitable
- Grass based
 - Maximising the utilisation of low cost feed (grazed grass) in the production of high milk solids milk
 - Low maintenance, highly productive fertile cow
 - Environmentally sustainable



Why set targets?

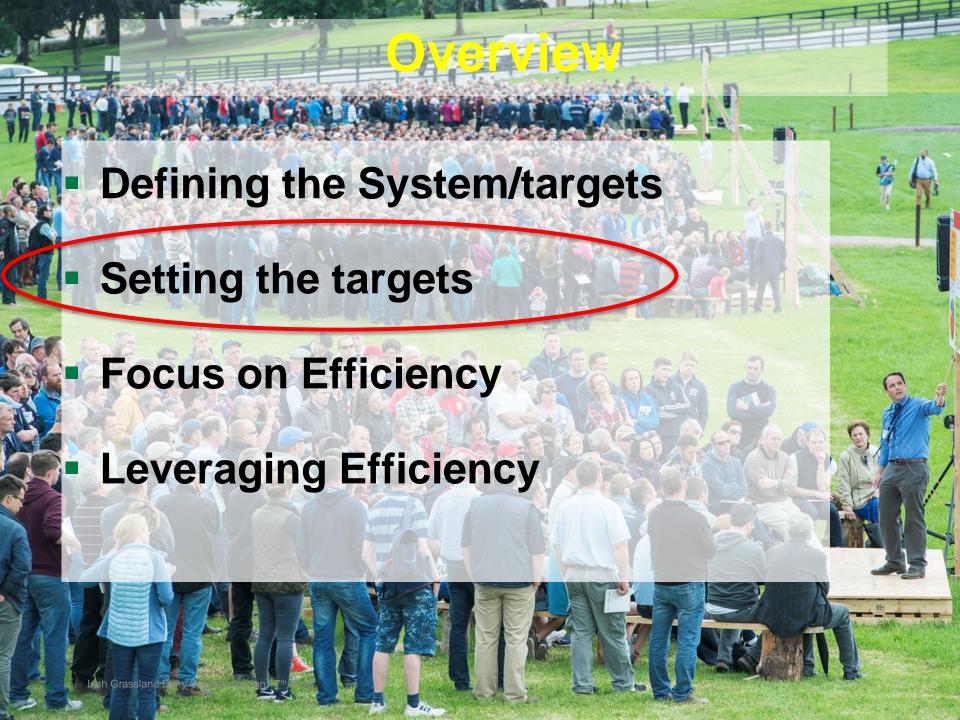
- Fundamental policy Change
- Land limiting not volume
- The farm needs to be benchmarked including all land in the business Avoid the wrong conclusions
- Move away from enterprise analysis to whole business
- Perception that the optimum system operated might change
 - Need to be careful of partial analysis
- Ensure the appropriate Key Performance Indicators are used
 - Right KPIs = More success
- Everybody on the one page and focused in the one direction



Metrics

- Net Profit
 - Total Revenue Total Expenses
- Cash Flow Reflection of the liquidity of the business
 - All cash income All cash expenses
- Return for Assets employed
 - Return on Assets Reflection of profit relative to Assets





Financial - @€0.29/I

	National Average			
	€/Ha	€/kgMS		
Gross Output	3,580	4.72		
Total costs	3,107	4.09		
Net Profit	473	0.62		
ROA	2			



Financial - @€0.29/I

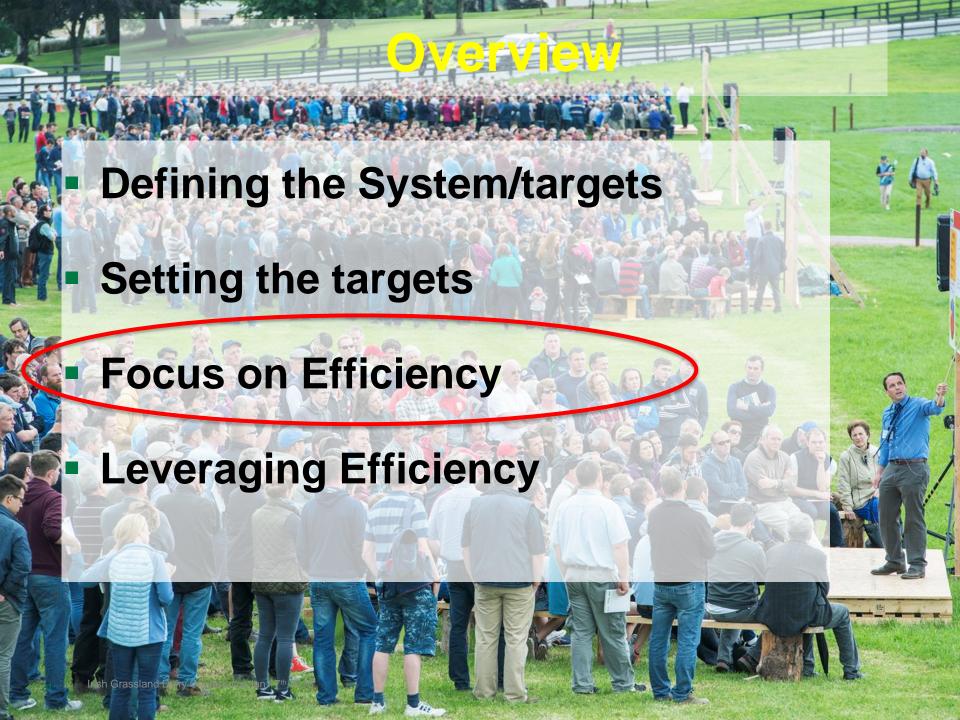
	National Average		Target	
	€/Ha	€/kgMS	€/Ha	€/kgMS
Gross Output	3,580	4.72	6,531	4.76
Total costs	3,107	4.09	4,043	2.95
Net Profit	473	0.62	2,489	1.82
ROA	2		8	

		National Av	erage	Road-map	Target
		Per kg MS €	Per Ha €	Per kg MS €	Per Ha €
Receipts	Milk	4.21	3,197	4.28	5,873
	Livestock	0.50	383	0.48	659
Gross Output		4.72	3,580	4.76	6,531
Costs	Concentrate	0.65	493	0.21	294
	Fert/Reseeding	0.37	282	0.26	355
V	Contract Heifer	-	-	0.44	606
	Contractor other	0.05	36	0.11	155
	Contractor Silage	0.23	174	0.11	150
	Vet/AI	0.30	225	0.25	346
V	Hired Labour	1.00	762	0.50	682
	Loan Interest	0.26	200	0.16	224
	Depr Buildings	0.44	332	0.31	422
	Depr Machinery	0.16	124	0.12	162
	Total	4.09	3,107	2.95	4,043
Profit C	Net	0.62	473	1.82	2,489

Financial - @€0.29/I

	National Average		Targe	t
	€/Ha	€/kgMS	€/Ha	€/kgMS
Gross Output	3,580 Focus	4.72 On	6,531	4.76
Total costs	Efficie	ncy	4,043	2.95
Net Profit	473	0.62	2,489	1.82
ROA	2		8	

SC



Physical

	National Average	Target
Herbage Utilised kg DM/Ha	7.8	13.1
SR LU/Ha	1.89	2.90
Milk protein %	3.45	3.70
Milk Fat . Grassland Milk solids our Productivity &	Specialisation	4.50 bour 30
Six week 7 Management		90
Concernate recurry kg/Cow	933	<450
Labour efficiency Hours/Cow	30	16



Herbage utilised > 13tDM/Ha

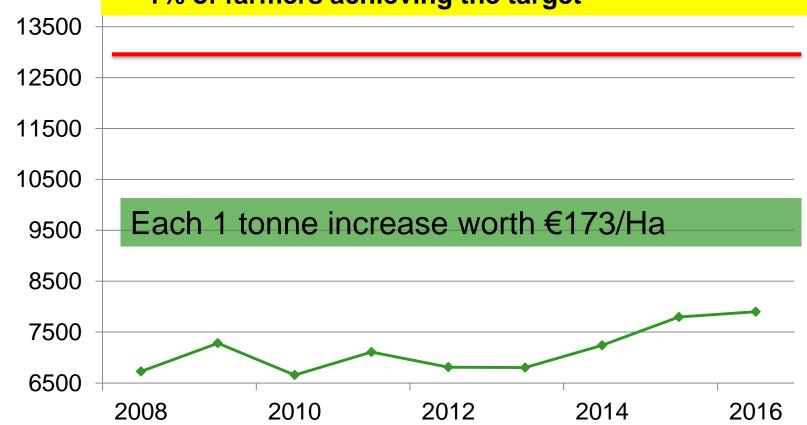




Herbage utilised > 13tDM/Ha

Herbage utilised >12.3t DM/Ha for top 5% of farmers



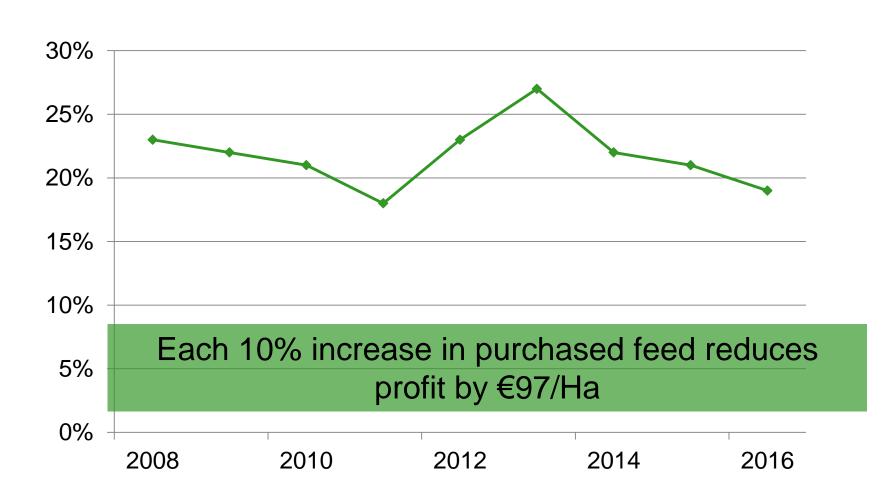




kgDM utilised per hectare

Proportion of Purchased Feed

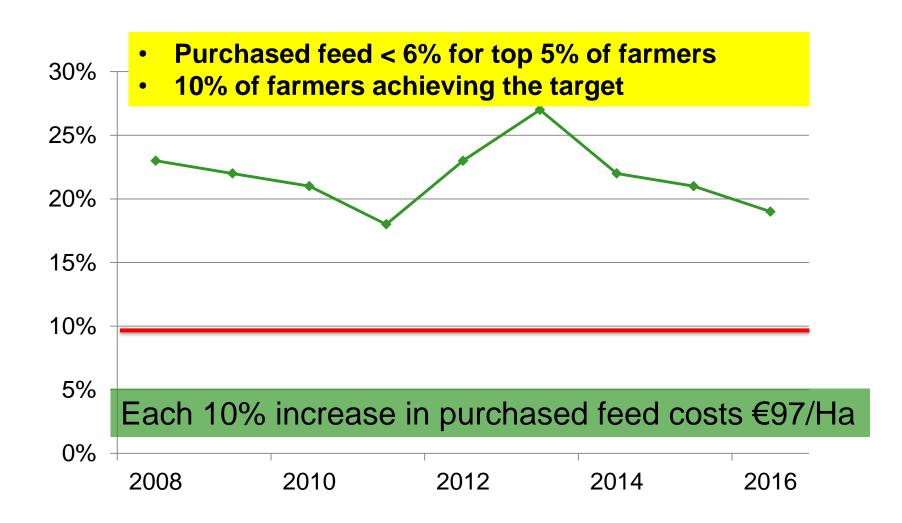
Proportion of bought in Feed <10%





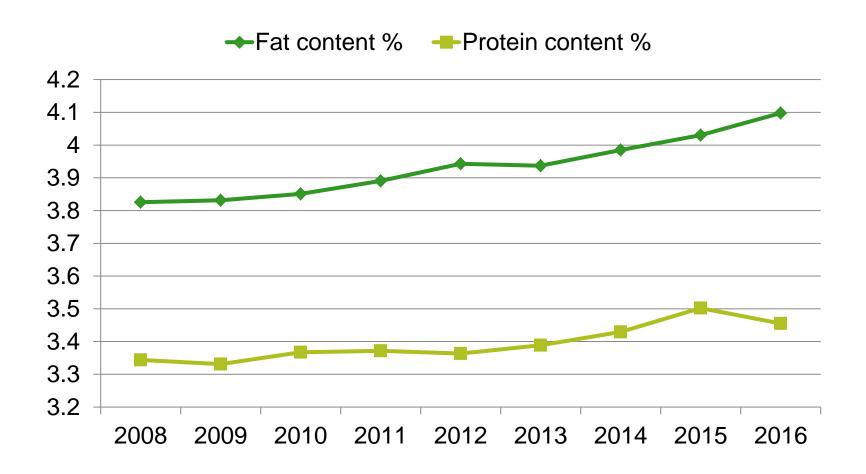
Proportion of Purchased Feed

Proportion of bought in Feed <10%



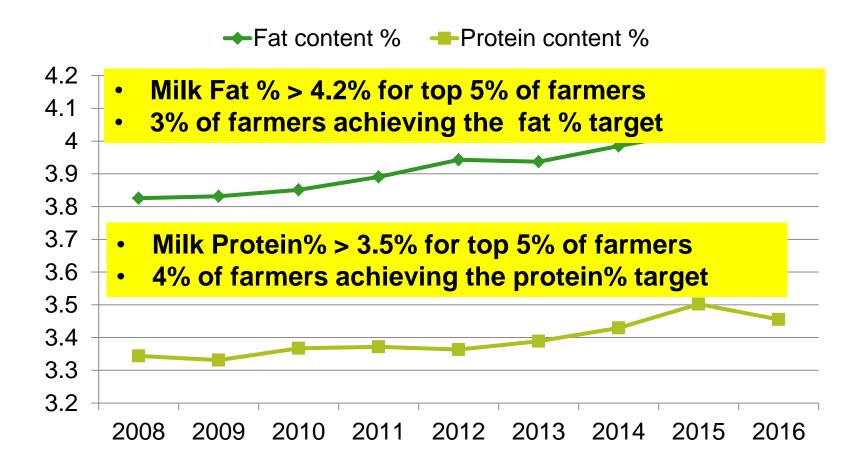


Milk fat and protein concentration





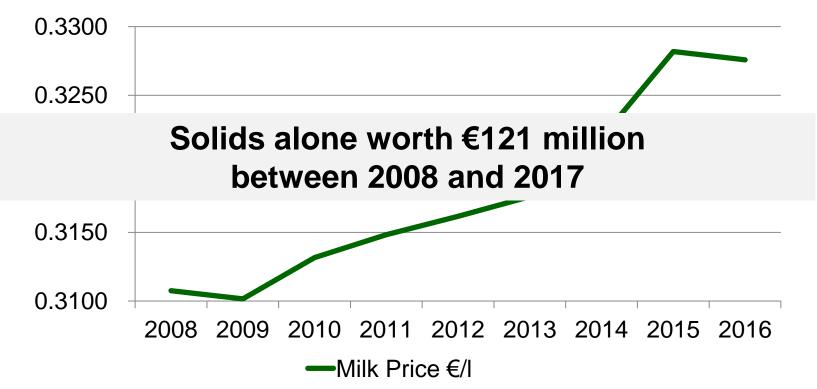
Milk fat and protein concentration





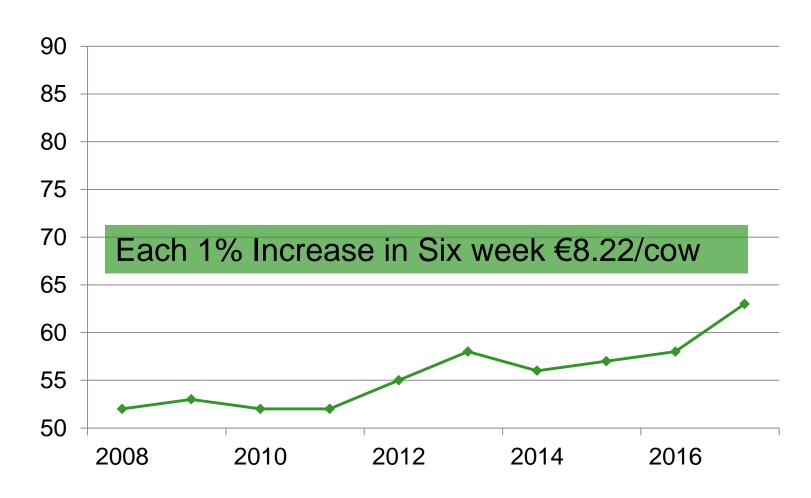
Milk Solids – Value of Milk @ a base milk price of 29c/l

Milk Price €/I



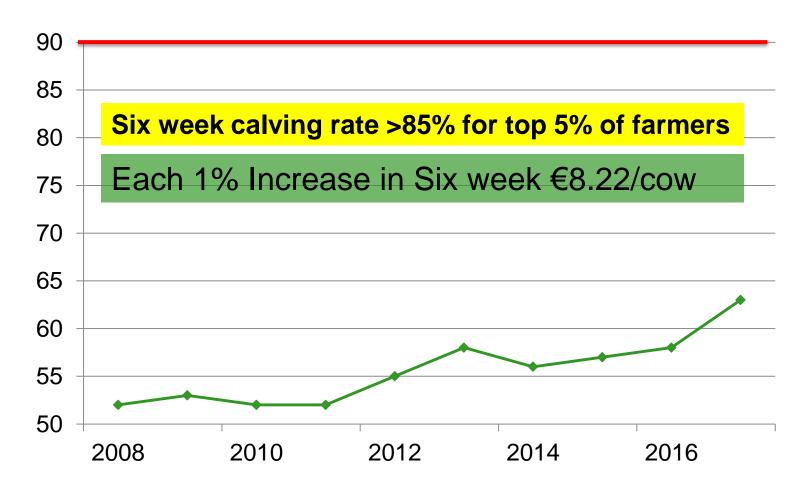


Six Week Calving Rate > 90%





Six Week Calving Rate > 90%





Labour <16 Hrs/Cow

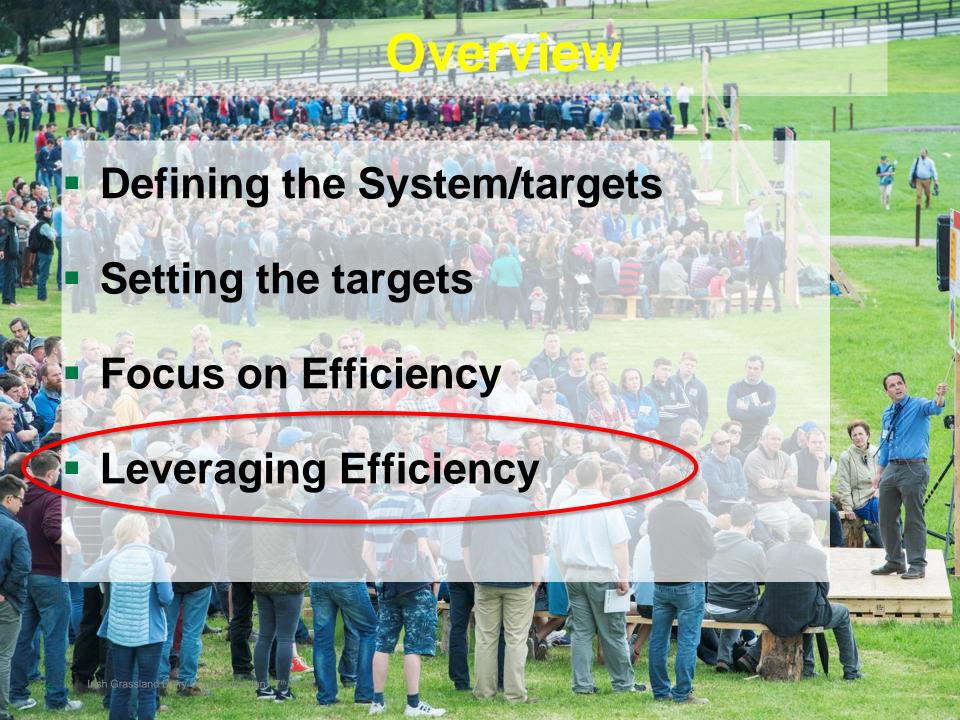
This Mornings Session



Setting targets – 50Ha farm Modelled

	Unit Change	Financial Benefit		t
		Farm	€/Ha	€/kgMS
Increasing Fat Concentration	0.1	1,650	33	0.03
Increasing Protein Concentration	0.1	3,500	70	0.09
Increasing grass utilisation	1 t DM/ha	6,700	134	0.10
Reducing Replacement Rate	3%	5,100	102	0.105
Reducing Calving Interval	5 Day	1,700	34	0.045
		18,650	373	0.43





Leveraging Efficiency

	National Average		Target	
	€/Ha	€/kgMS	€/Ha	€/kgMS
Gross Output	3,580 Focus	4.72 On	6,531 Replic	4.76 ate
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Leveraging Efficiency - Replicate

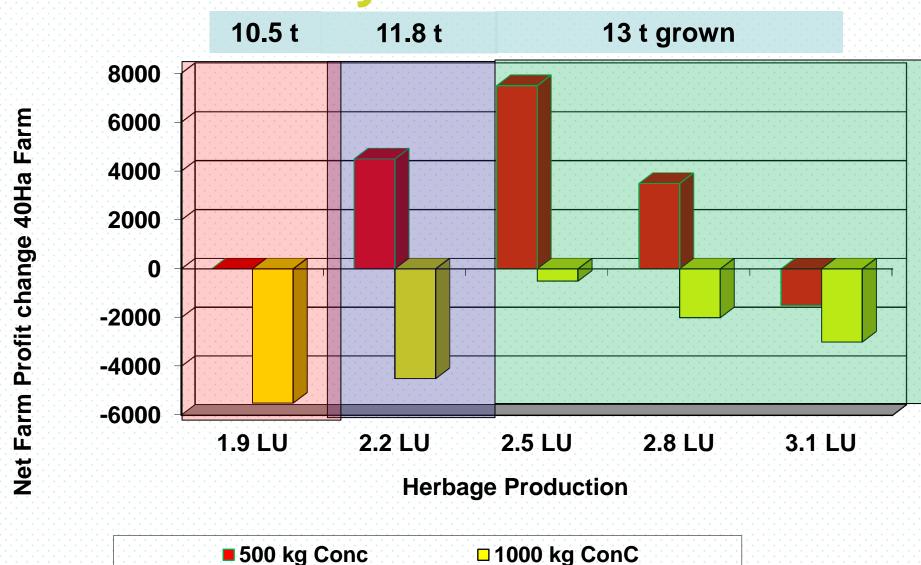
	National Average		Targe	t
	Owned	Leased	Owned	Leased
Gross Output €/Ha	3,580	3,580	6,531	6,531
Total costs €/Ha	3,107 3,557 Road to Disaster		4,043 Road to Ver	4,493 y High
Net Profit €/Ha	473	23	2,489	NS 2,043
Investment	1,156,000	266,000	1,268,000	378,000
ROA %	2	3	8	21

Leveraging Efficiency

- Replicate NOT System Change
- Know when to Stop growing
- Never Compromise on System
- Match Grass Growth with feed demand
 - Stocking Rate
 - Supplementary feeding
- Don't over capitalise
- Keep simple and labour efficient



Just because you can doesn't mean that you should



Lessons learned from NZ

"Learn from the mistakes of others. You can't live long enough to make them all yourself." - Unknown

ydney

Australian Capital Territory

> Tasman Sea



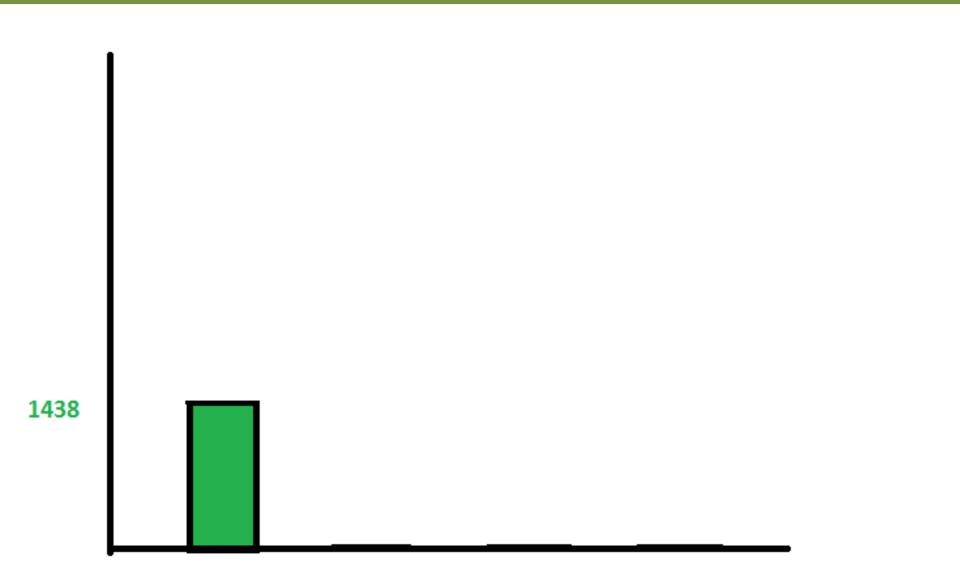
Lessons

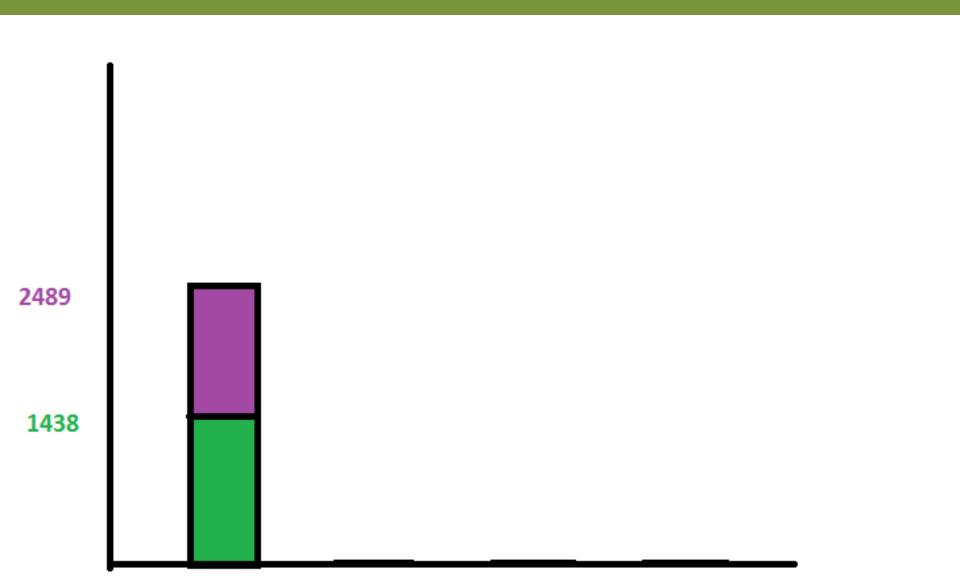
- Focus on advantages
 - Grass
- Avoid distractions

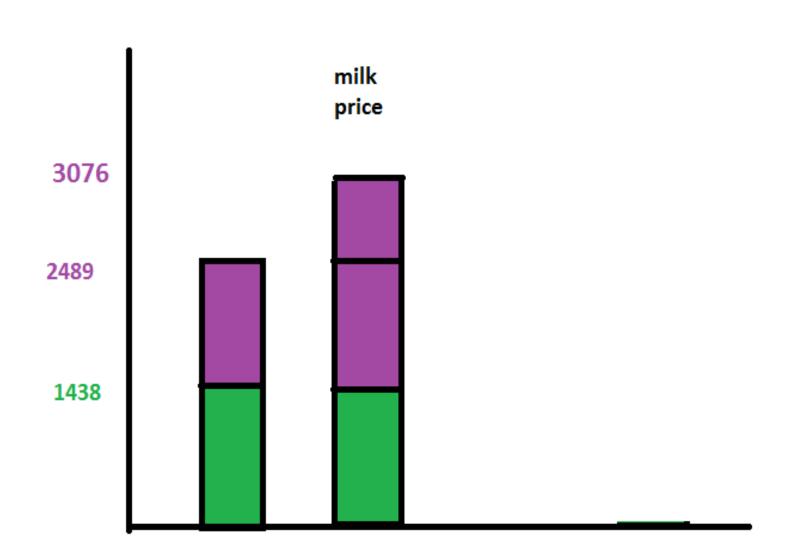
Conclusion

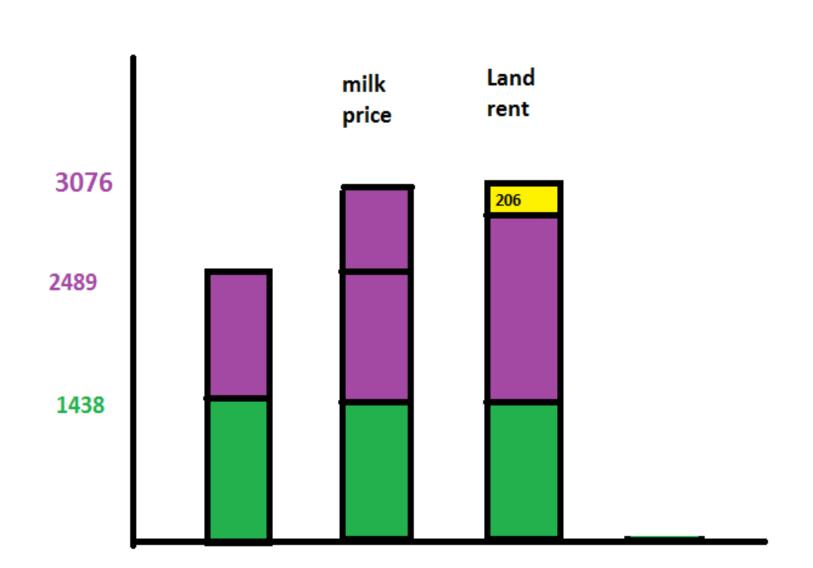
- New Metrics and Benchmark criteria
- Significant scope to increase efficiency within the industry
 - Focus on efficiency will generate the highest returns for most
- Significant progress has been made at farm level
- Average farm should prioritise efficiency
- Efficient farm should focus on leveraging





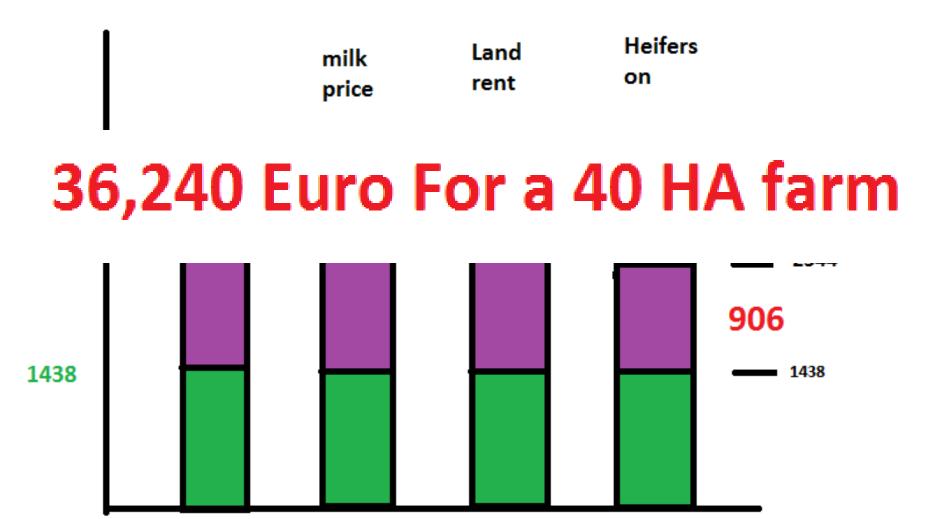








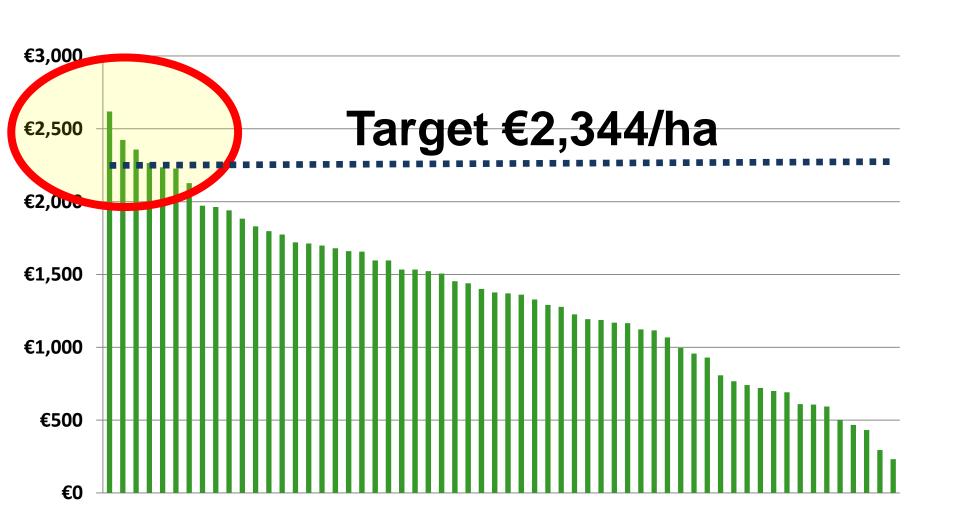




Reasons for the profit gap

	PM av.	Target	Cost/ha
Milk Solids (kg/Ha)	877	1,380	€???
Herbage utilised (т DM/Ha)	11.3	13.1	€311
Meal feeding (kg/Cow)	723	450	€185

Range in net profit/ha



Challenges

- How do your figures compare to the targets?
- Do you understand why you're not at the Moorepark targets?
- Advisors & consultants to take on and run with this.