

The Irish Agriculture and Food Development Authority

Growing Ireland's Agri-Food Sector – Preparing for the Abolition of Dairy Quotas

Presentation to Dairy UK Growth Agenda Seminar

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Outline

- ☐ Food Harvest 2020 targets and implementation
- □ Achievability of FH dairy targets
- Initiatives by public and private sector to support expansion
- ☐ Risks to expansion

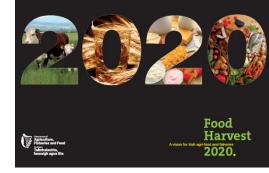


Food Harvest 2020





Economic Growth – Food Harvest 2020



Overall Vision

Act smart

Prioritise R&D

Improve skill levels

Maximise adoption of best practice

Foster creativity and entrepreneurship

Rationalise and collaborate at industry level

Improve focus on consumer preferences

Review institutional support and regulatory burden

Think green

Prioritise environmental protection

Capitalise on natural advantages and resources

Build environmental credibility through research and actions

Develop an umbrella 'Brand Ireland'

Satisfy consumer requirements and preferences

Conserve biodiversity

Align sustainability across the supply chain

Achieve growth

Increase the value of primary output in the agriculture and fisheries sector by €1.5 billion by 2020

Increase value-added output by €3 billion by 2020

Achieve an export target of €12 billion by 2020



The Irish Agriculture and Food Development Authority

Ambitious Food Harvest 2020 Targets

National

Increase the value of primary output in overall sector by €1.5 billion - 33% increase

Raise the sector's value-added by 40% from €7.9 to €11 billion

Exports for the sector to rise to €12 billion - a 42% increase

Sectoral

50% increase in volume of milk produced and processed by 2020

40% output value growth target for the cattle (40%?) and sheep sectors and a 50% output value growth target for the pig sector



FH2020 Implementation

- ☐ High level (Cabinet) national commitment to agri-food sector
- High Level Implementation Committee chaired by Minister and involving all relevant State Agencies
- Quarterly targets set for State and private sector actions
- Encouragement of greater collaboration across the sector
- ☐ Targeting of State support on priority areas
- Encouragement of industry leadership to focus on restructuring and R&D investment



Irish dairy industry to 2020 - clear vision and strategy

Industry Vision FH2020

Lessons from Expansion

Avenues to increased milk production

Strategic Priorities

To increase Irish milk production by 50% by 2020

- •The Irish Dairy Industry 1975-1985
- The New Zealand Dairy Industry 1984-2010
- Opportunities for expansion in milk production

- Cow numbers
- Stocking rate
- Milk yield /cow
- Land area

- Milk production efficiency
- Milk Quality
- Increase Grass DM production
- Environment
- Finance availability
- Education/training

Lessons from expansion: Irl vs. NZ

□ 1975 to 1985 milk production in *Ireland* increased by **5.7%** per year:

49% increase in milk yield/cow

11% increase in cow numbers

47% decrease in dairy farm numbers

☐ 1986 to 2010 milk solids in *New Zealand* increased by 4.4% per year:

~100% increase in cow numbers

30% increase in milk yield per cow

55% increase in land area allocated to dairying



Avenues to increased milk production

- 1. Cow numbers
- 2. Milk yield /cow
- 3. Stocking Rate
- 4. Land area



1. Increased dairy cow numbers

- □ 3% Increase in dairy cow numbers/year likely
- Last year a record 380,000 female calves were born to dairy bulls implying 95,000 extra dairy cows by 2015 or well over 3% p.a.



2. Increased milk yield per cow

- 2% Increase in Milk Yield/Cow/Year likely
- ☐ In line with international trends
- ROI EBI increasing by 10 units per annum
- ☐ Increased genetic merit + earlier calving + longer lactations + more mature herds



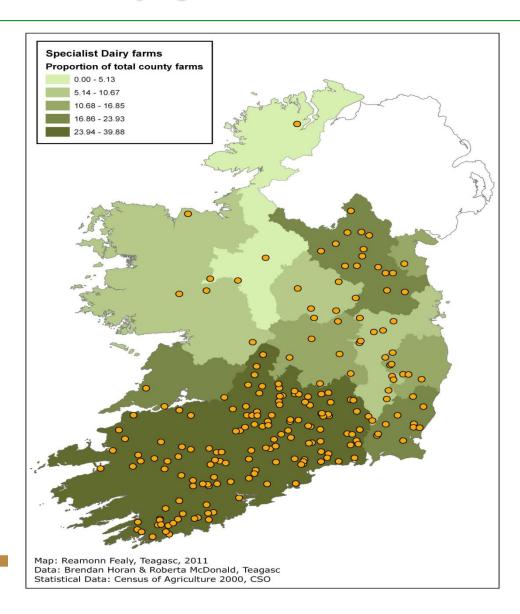
3. Increased stocking rate

- Big scope to increase SR
- National rate at 1.9 cows/ha is well below 2.37 (NL), 2.4 (DK) and 2.8 (NZ)
- □ Low SR substantially due to the relatively low milk quota available/ha.
- □ A modest increase in the SR from 1.9 to 2.1 cows/ha would increase milk production by over 10%.



4. Increase land area allocated to dairying

Geographic distribution of New Entrant dairy farmers(2009 -2011) in relation to existing specialist dairy farms



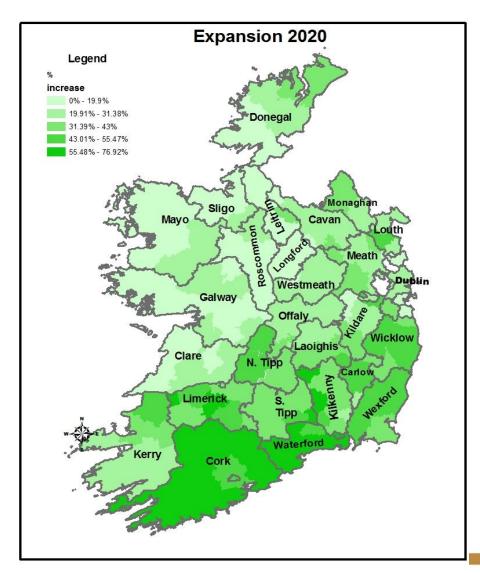


Anticipated ROI dairy stats by 2020

	Average 2007-2009	2015	2020
Milk Delivered (m litres)	4,950	5,837	7,450
Cow Numbers (000)	1,100	1,125	1,350
Milk Yield (litres/cow)	4,631	5,187	5,520
Protein %	3.33	3.38	3.42
Fat %	3.82	3.91	3.97
Dairy Farmers	18,970	18,000	18,000
Average Herd Size	58	63	75



Potential growth in milk supply at regional level 2020



- Average national potential increase in milk supply estimated at c. 50%
- Range from 0% to 76.92%
- □ The South and the South East in particular Cork, Limerick, Waterford, Tipperary, Wexford, Kilkenny, Carlow and Wicklow have the highest expansion capacity

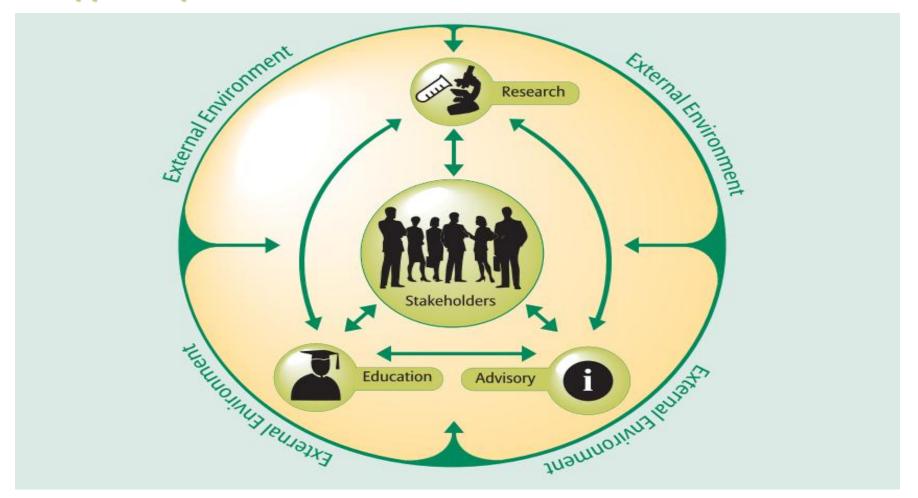


Initiatives by dairy sector actors to support expansion

Major investment by dairy cos in new production and innovation facilities
Public support for production research through eestablishment of 3 new (+ 2 in planning) Dairy Research Demonstration Farms
Public support for expansion of membership of Dairy Discussion Groups – 1/3 of Irish dairy farmers are now members of Discussion Groups
Publication of detailed Dairy Manual and Land drainage Manual in preparation
Public support for food research re functional foods, processing technology and novel foods
New educational and training programmes established for Professional Dairy Farm Managers and New Entrants
Collaboration with Irish Food Board (Bord Bia) to carbon footprint dairy and beef sectors and in the development of an advisory tool ("Carbon Navigator") to deliver on farm improvements in the footprint with a view to rigorous verification of claims to underpin "Origin Green" marketing initiative

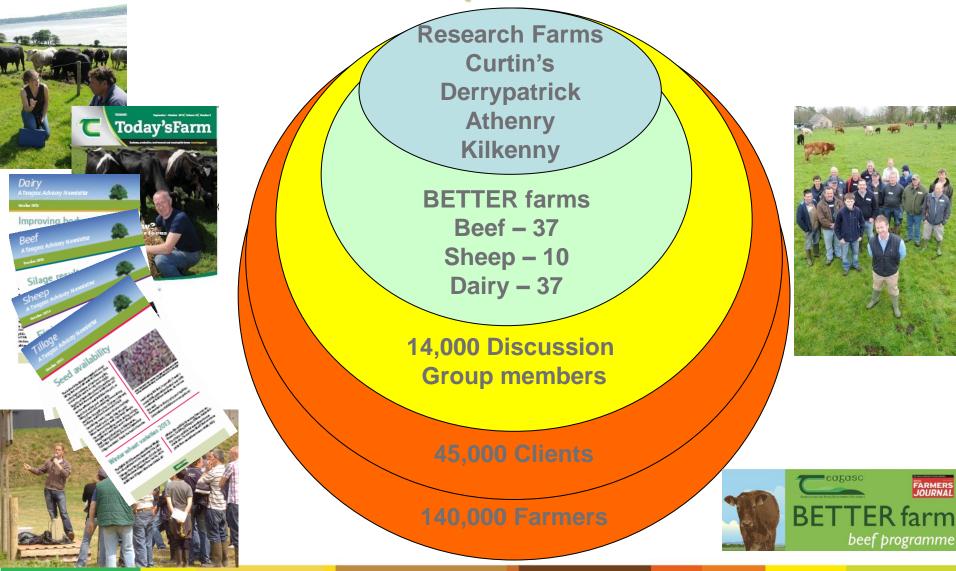


Mobilising research, extension and education/training to support expansion





Research and extension operational model



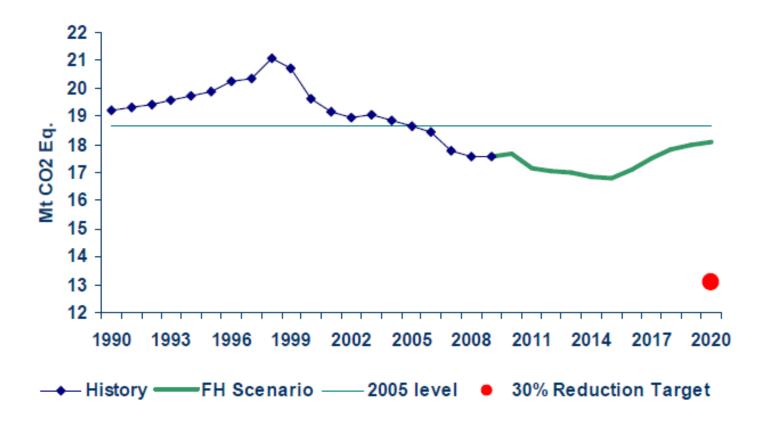


Risks to expansion

- Low milk price and/or volatile prices
- Restricted access to finance
- Environmental limitations (Chart)
- ☐ Failure to achieved improved efficiency at farm level (table)
- ☐ Fragmented processing sector (Chart)
- Failure to innovate sufficiently (Chart)



GHG Emissions from Irish Agriculture under FH2020 Scenario



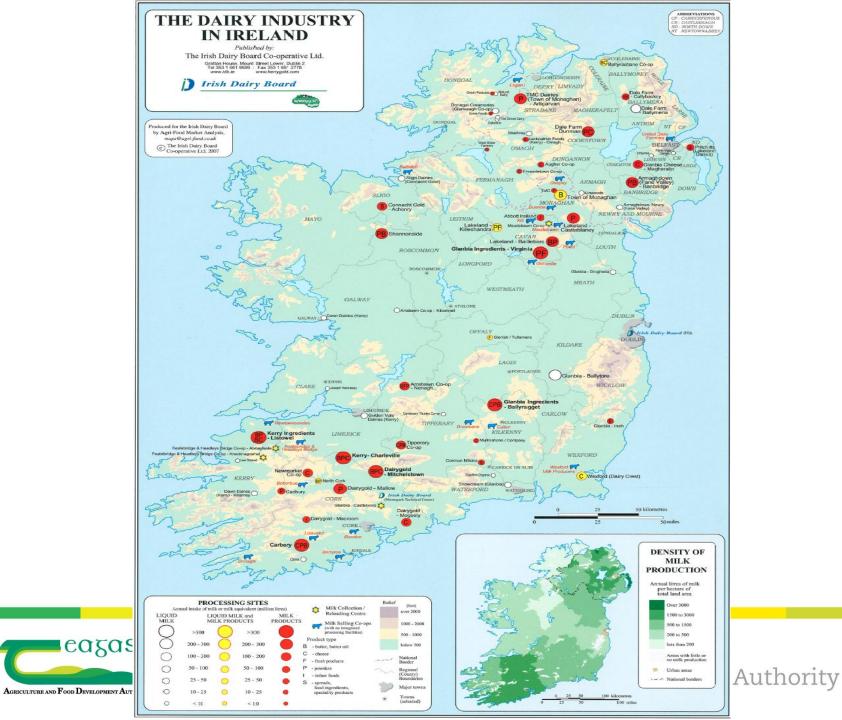
Source: Teagasc 2011



Efficiency targets for ROI dairy sector 2020

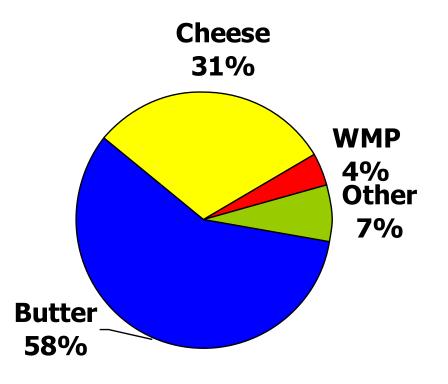
	Current Average	Expected Average in 2020	Best performance
Milk Yield (kg/cow) Milk Solids (kg fat plus Brotoin)	4,902	5,420	5,600
Milk Solids (kg fat plus Protein)	358	407	468
Protein and Fat %	3.37/3.94	3.43/4.08	3.65/4.70
Mean calving date	14 th March	5 th March	14 th Feb
EBI of dairy female born (€)	119	150	150
SCC ('000)	252	200	<200
6-Week calving rate (%)	55	70	90
Stocking Rate (cows/ha)	1.9	2.2	2.8
Concentrates/cow (kg)	875	750	400
Herbage utilized (kgDM/ha)	7.3	10.0	13.2
Cows/labour unit (numbers)	50	75	100



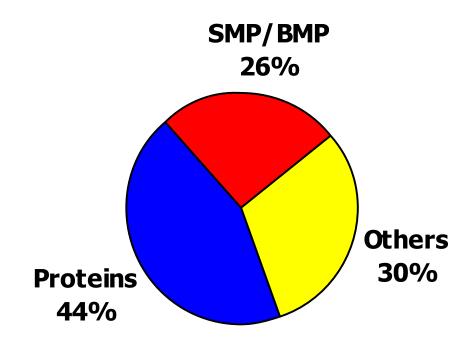


Irish Milk Utilisation 2012

Whole Milk Utilisation



Skim Milk Utilisation





Thank You

