



OAD & SUSTAINABILITY

Gillian O'Sullivan





Questions to Answer:

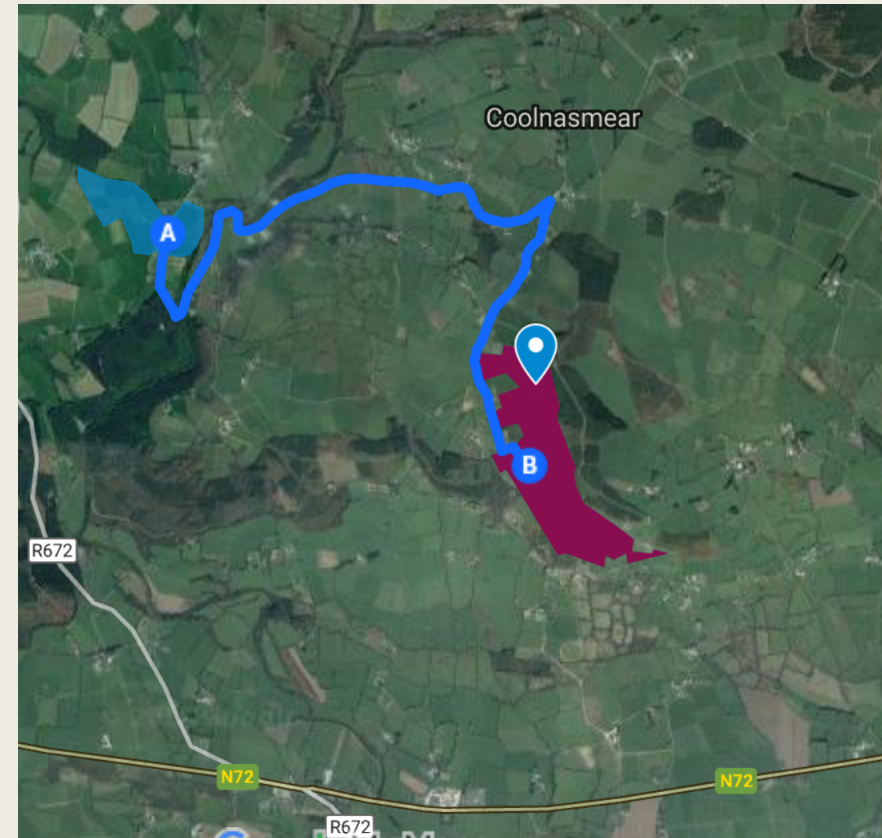
- Why did we start OAD in 2009
- OAD & Sustainability: Social/Economic/Environmental

Why OAD in 2009?



Why stay OAD?

- Suits the farm layout/landscape
- Cows responded well
- Improved cow health – lameness/fert/BCS
- FLEXIBILITY
- Profitable















Highest Point 640ft

Lowest Point 240ft









Shallow Stoney Soil

Long & Narrow Layout

Suitable Cows

 Animal Details 							 Details & EBI Indexes 								
Jumbo Tag Name DOB Breed EBI Rank In Herd Status Due Calve	1107 IE351177461107 24-Feb-11 7y 10m JE 50% HO 40.6% 44 Born In herd Milking 21-FEB-19 ZSP ExpEBI €186						Sire	SYI (€200)							
							Dam	IE351177410574 (€78)							
							Dam's Sire	NHS							
							EBI	Milk	Fert	Calv	Beef	Maint	Mgmt	Health	
							€164	€105	€1	€40	-€25	€35	€2	€6	
							Milk Kg	Fat Kg	Prot Kg	Fat %	Prot %	Calv. Int.	Survival		
							74	22.9	10.9	0.33	0.14	0.2 days	0.3%		
 Calving & Fertility 							 Milk Production 								
Lact	Calved	Calf Jumbo	Sex	On Farm	Num Serve	Calv Int	Milk kg	Fat kg	Prot kg	Fat %	Prot %	F+P kg	SCC	Days	
1	02-Feb-13	1266	M	N	1		3200	174	139	5.44	4.34	313	101	298	
2	12-Feb-14	1397	F	N	1	375	5272	300	222	5.69	4.21	522	55	284	
3	23-Feb-15	1535	M	N	1	376	5484	292	232	5.32	4.23	524	62	266	
4	04-Feb-16	1584	M	N	1	346	6278	320	258	5.1	4.11	578	48	295	
5	08-Feb-17	1689	F	Y	1	370	6037	320	255	5.31	4.23	576	41	298	
6	13-Feb-18	1828	M	N	1	370	5027	268	203	5.32	4.05	471	92	243	
						Avg (Comp)	367	5254	281	221	5.37	4.22	503	61	288
						Lifetime Production	31298	1674	1309	5.35	4.18	2984		1684	

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Herd Owner: GILLIAN O' SULLIVAN

Designator: ~~WFF 1002~~

Phone 023-8820452

Supplier Number: ~~10000~~ / Manufacturing

Table 3: Glanbia/ICBF Performance Score Card

A + B - C

	Your Herd	Glanbia Average	Glanbia Top 10%	Your Rank out of 100	Your Star Rating ¹
Milk performance for 2018 (Jan - Dec) based on Glanbia data					
Fat + Protein (Kg/cow) Average Fat and Protein yield per cow for your herd	390	387	491	48%	* * *
Litres per Cow per Day Avg litres of Milk per cow from Jan - Dec 2018	11.13	13.53	16.9	18%	*
Fat % to end December 2018 Weighted average Fat % from Jan - Dec 2018	5.32	4.15	4.42	100%	* * * * *
Protein % to end December 2018 Weighted average Protein % from Jan - Dec 2018	4.05	3.51	3.66	100%	* * * * *
Average Milk Price (cpl) Incl. VAT Average milk price received from Jan - Dec 2018, (Includes Bonuses/Penalties, Excludes Levies)	43.4	35.2	37.3	100%	* * * * *
SCC (,000 cells/ml) The weighted average Somatic Cell Count for Jan - Dec 2018	187	176	90	37%	* *

OAD & Cow welfare

European Food Safety Authority identified cow welfare areas in 2009

- Metabolic disorders - NEB
- Reproductive Issues - poor fertility
- Lameness – no reduction in lameness prevalence in past 20 yrs
- Behavioural – graze, ruminate, rest, milk

OAD & Cow welfare

“Canadian consumers rated animal welfare as the second most important priority after food safety” Maynard 2012

OAD & Cow welfare

“Interest in the welfare of the dairy cow and related environmental issues by consumers and legislators is increasing” Logue et al 2014

Environment

Grassland Management

- Grazing >280 days per year
- Incorporating clover into reseed

Nutrient Management

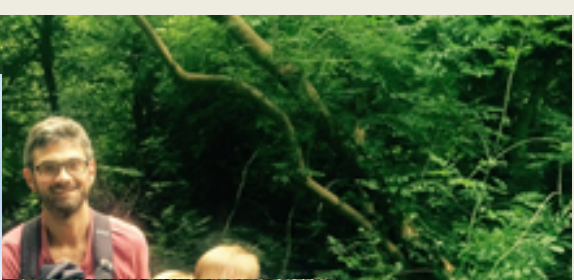
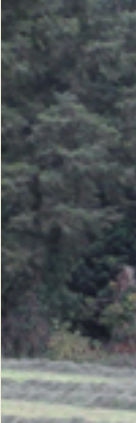
- Protected Urea used on the farm
- 60% slurry spread from Feb - June
- Improving FYM composting for building SOM

Soil Fertility

- Lime has increased pH from 5.8 to 6.4
- Soil sampling every second year
- Greater availability of nutrients

Energy

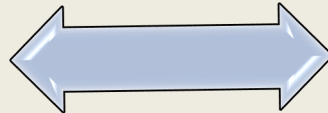
- Lower energy usage for milking parlour 300 fewer milkings
- SEAI Grant for variable speed milk pump applied for
- Solar PV also a possibility
- Grid connection essential



Economic

SUSTAINABILITY

Social



Environmental



**Thank
You!**