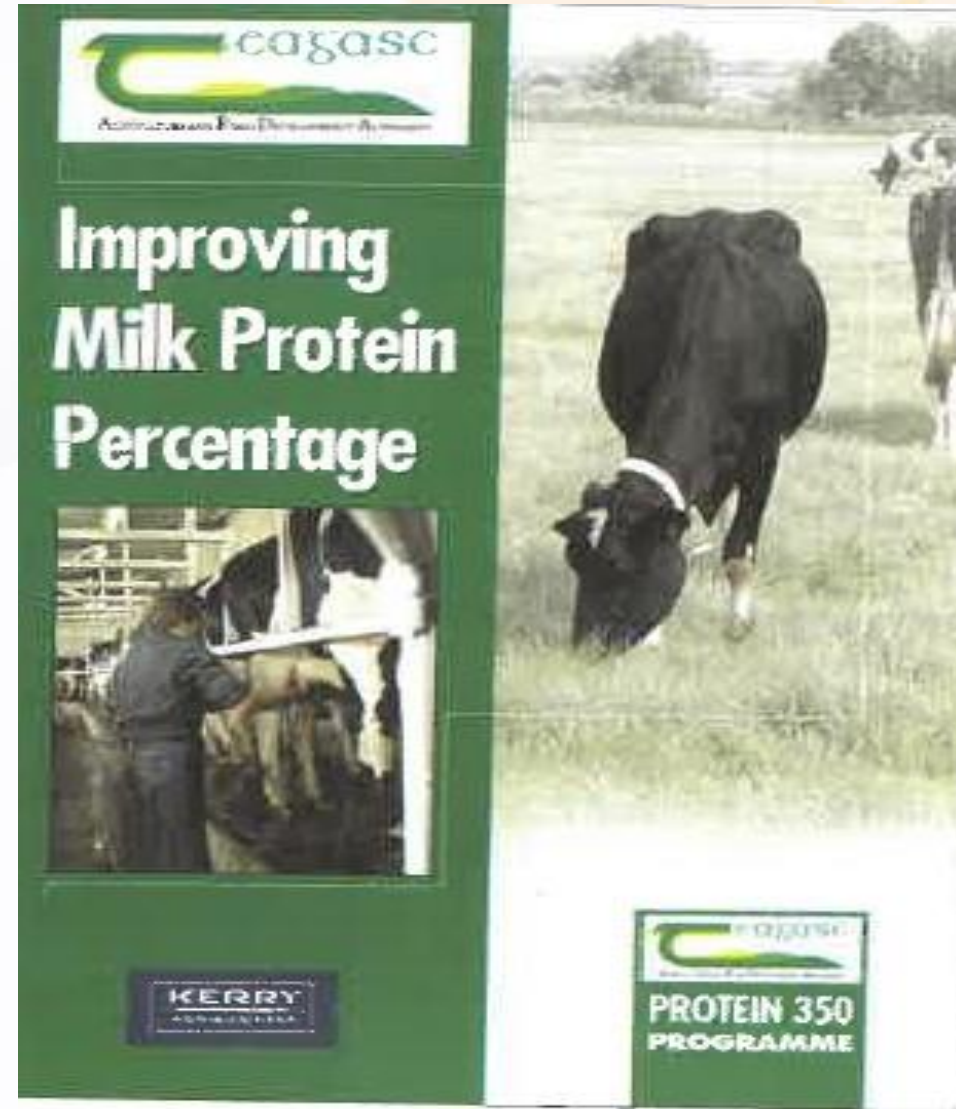


Meeting evolving knowledge needs: An Advisor and Farmer's perspective

Sandra Hayes Teagasc Advisory

My earliest Teagasc
memory - Spring 1996



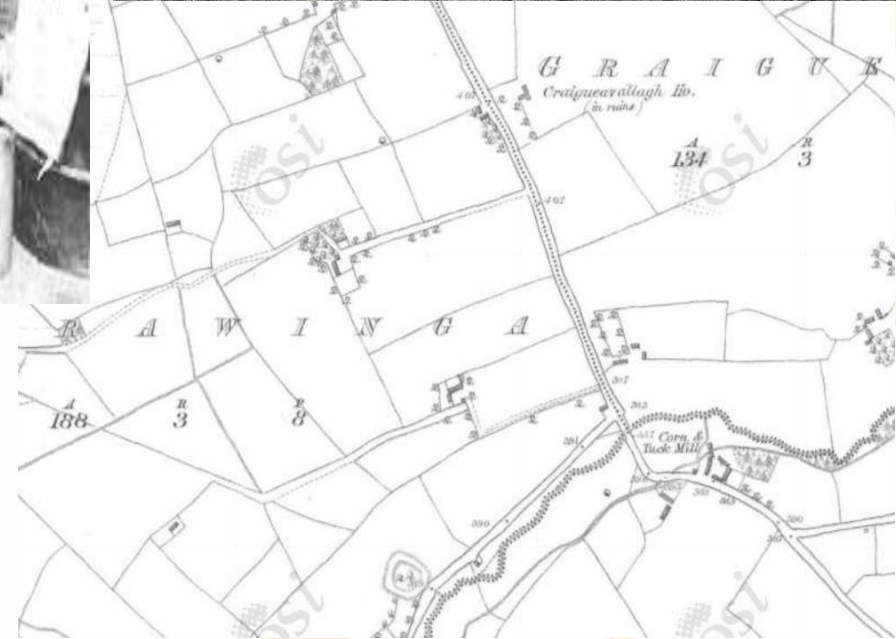
'70s

Removing
farm debt,
Driving up
performance



'80s

Farm
Infrastructure,
Layout and
Silage Making



'90s

Quotas,
Grassland
Management,
Discussion
Groups &
Schemes



The Irish Dairy Sector under Milk Quotas

1984 to 2015

Number
of Dairy Farms



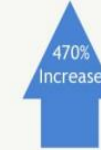
1984: 80,000
2014: 17,500

48% increase
in output per cow



1984: 3,500 litres
2014: 5,200 litres

Output per Farm



1984: 70,000 litres
2014: 330,000 litres

350% increase in
average herd size



1984: 18 cows
2014: 64 cows

'90s

EU funded Schemes, CAP, REPS, Area Aid



Fertiliser and Slurry Spreading Dates:

The following are the upcoming fertiliser, slurry and FYM start dates in your area. Make sure to have urea bought and in the yard if the weather comes right for spreading fertiliser!

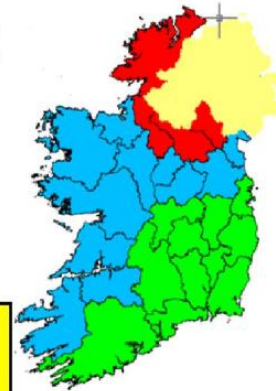
Fertiliser Type	Zone A	Zone B	Zone C
Chemical Fert	13th Jan	16th Jan	1st Feb
Organic (Slurry)	13th Jan	16th Jan	1st Feb
FYM	13th Jan	16th Jan	1st Feb

What is the Required Response to Justify Early N?

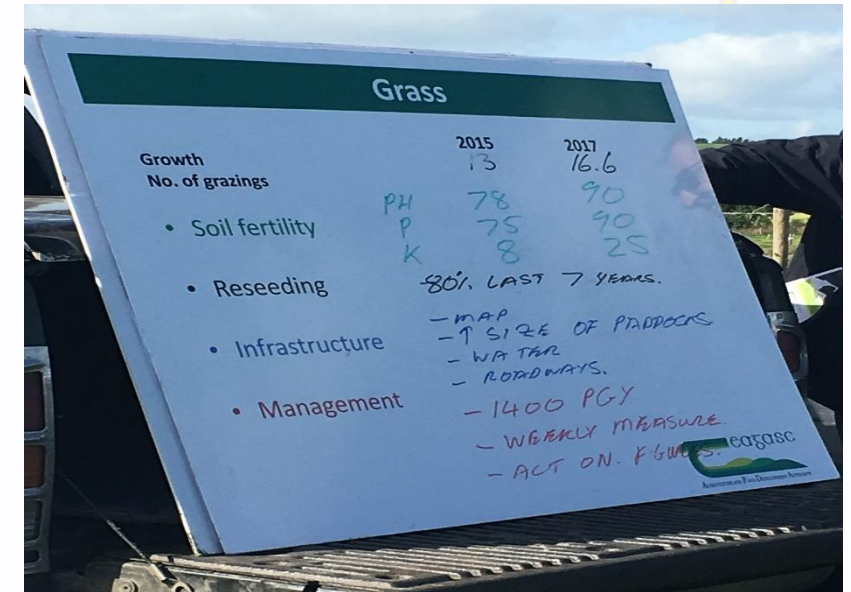
Assuming Urea costs €380/ tonne (46%N), 460 kg N/tonne= 80c/kg N. Grass in spring is worth 16c/kgDM. Therefore minimum response required is: (cost: 80c/kgN) / grass value: 16c/kgDM= 5 kgDM per kg N applied (breakeven)

Response in a normal year: 10- 15 kgDM/kgN applied

In 2018: Response was still greater than 5 kgDM/kgN applied



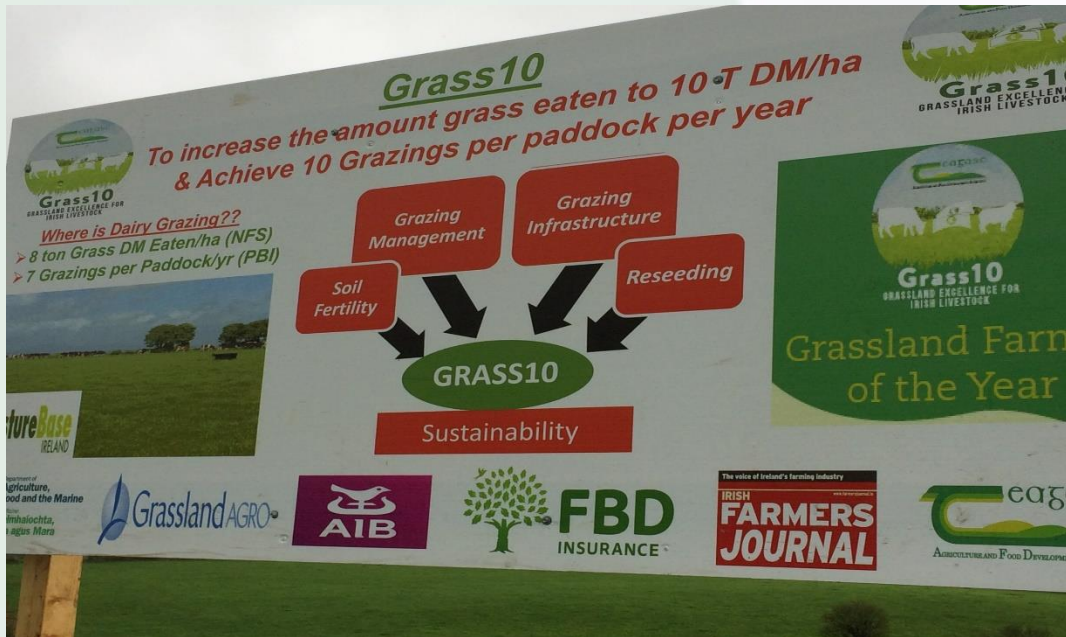
DM% 16% Moorepark



Technical Advisory



Technical Advisory



Technical Advisory



Changes in Technology

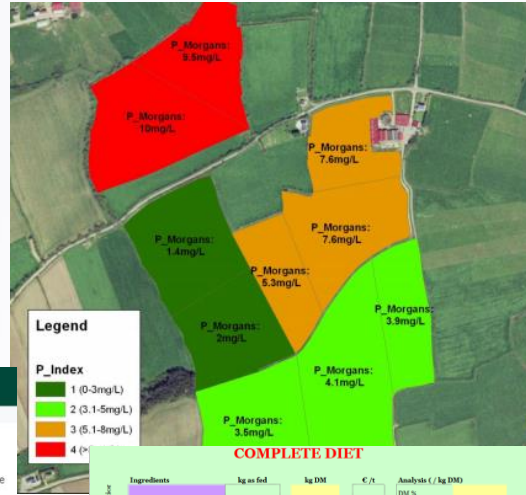
ICBF - Live Statistics 14-AUG-2020

National Milk Recording Results for the 10 day period, 04-AUG-2020 to 14-AUG-2020

	No. Herds Recorded	No. Cows Recorded	Avg. Milk Yield	% of Herds <=200	% of Herds 201-300	% of Herds 301-400	% of Herds >400	Average SCC
Connacht	31	2,533	91	01	19	3	16	165
Leinster	171	20,432	119	59	22	13	6	175
Munster	627	66,636	106	07	22	7	5	163
Ulster	41	3,343	82	03	22	7	7	169
National	833	94,650	107	05	22	8	6	165

Geometric Mean Herd SCC

Breakdown of SCC by Province



Teagasc Profit Monitor

Fixed Costs

	All	Stock
Hired Labour	67000	67000
Mach. Running	16107	16107
Mach. Leases	12040	12040
OD & Credit Int.	816	816
Loan Interest	9984	9984
Car (Farm)		
Electricity (Farm)	7609	7609
Phone (Farm)	1910	1910
Deprec. - Build./ Land Improve	23384	23384
Dep. Machinery	10681	10681
Repairs and Maint.	6700	6700
Insurance	7700	7700
Prof. Fees	7367	7367
Sundry Fixed Costs		
Land Lease	15624	
Total	186922	

PastureBase IRELAND

HELP CENTRE

Reasons to Measure Grass

Balances: 270 days at grass 2.8 cows / ha 18 (Cows)

FARM COVER DETAILS

Cover Date	10/08/2020
DM%	53
Farm Cover (kg DM/ha)	488
Cover (kg DM/ha)	176
Crown (kg DM/ha)	82
Demand (kg DM/ha)	61
Surplus (kg DM/ha)	276
kg N/ha	1.8
kg P/ha	0.2

Grassland Farmer of the Year

AGNA

What is AgNav?

Bord Bia, Teagasc and ICBF are collaborating to create AgNav, a farmer-centric sustainability support framework which utilises the three agencies' collective knowledge, data, support tools and other resources, to enable delivery against Climate Action Plan targets for the agri sector.

Getting Started

Advisor Dashboard

COMPLETE DIET

Ingredients	kg as fed	kg DM	C/I	Analysis (/ kg DM)	Dairy in Milk (Early Lactation)
DM %				20.40	
UFV				0.90-0.95	
UFV				-	
Cr. protein g				160-170	
PDIH g				90-105	
PDIH g				90-105	
PDIH g					
Starch g				100 (pasture) & 250 (wages)	
Cr. Fibre g				170-300	
OR g				~30	
Ca g				6.5-7.5	
P g				3.5-4.5	
NDF				390.0	
NDF from Forage				310	
ADF g				230.0	
Ca mg					
I mg					
Tot. UF Intake					
Tot. PDI Intake					
Enter animal category					Dairy in Milk (Early Lactation)
Animal live weight					600 kg
Target Intake as % of LW					3.2-3.5

What Level of Dairy Production will the Diet Support!

Opportunities NZ, USA, and Royalty!



Joint Programme

TEAGASC/TIRLAN FUTURE FARM UPDATE

Week of the 20th October 2023



FUTURE FARM



TEAGASC

Farmer	County	Litres / Cow	Fat %	Protein %	SCC	kg MS/Cow	Meal kg	Average Farm Cover	Cover /LU	Pre Grazing Yield	Demand/ Ha	Growth Rate/ha	NH3 emissions per ha farmed kg NH3
*Donal Kavanagh	Wicklow	15.5	4.79	3.91	147	1.38	4	579	154	2000	28	53	49
Francis Nolan	Kilkenny	15.4	5.12	3.93	99	1.39	4	605	249	1800	35	18	48
Jack Kearney	Cork	12.5	5.53	4.11	162	1.24	3	619	173	2300	53	39	52
John Ryan	Tipperary	14.5	5.38	4.19	204	1.43	4						
Kevin Murphy	Wexford	14.2	5.42	4.26	99	1.42	4						
*Mullen Farm	Meath	19.5	4.66	3.73	205	1.69	4						
Shane Fitzgerald	Waterford	12.5	5.21	4.10	120	1.20	2						
Shay Ryan	Wexford	16.3	5.15	4.14	153	1.56	4						
Steven Fitzgerald	Waterford	13.5	5.29	4.32	130	1.34	4						
Tom Fennelly	Laois	13.3	5.52	4.22	138	1.33	2						

* Winter milk													
Average		14.7	5.21	4.09	146	1.40	3.5						
Average 21/10/2022		18	4.97	4.20	116	1.70	4.4						

October Focus

Over the last few days the weather forecast has affected a number of things on all the farms. Many had been working through closing paddocks and planning what paddocks to graze when and opting to leave this years clover reseed to graze later on. With over 60-70mm of rain in various farms some herds have been housed at night and allocations of grass have been to 2 to 3 hours grazing by day. Monitor farms have started to supplement with silage from 2 to 6kgs as dry matter of grass has fallen to near 10%. AFC's have fallen as well and good graze outs have been harder to attain. Depending on soil type and the rain fall amounts grass growth has been variable. Milk yields have fallen back by 2 to 3 litres as well. Cull cows have been removed to reduce demand. Also alot of milk recording has been done in the last week to see which cows will be suitable for test sealer only at dry off. Some herds have been drying off any cows yielding below 10 litres or in poor body condition. Hopefully weather will pick up shortly and remaining parts of the autumn rotation plan can be completed.

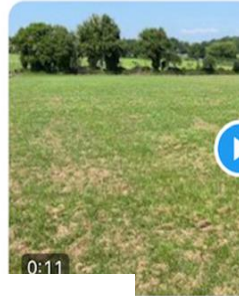


The Future.....



Sandra Hayes
@shayesSandra

Reseed with @TirlanFarmLife @TeagascSignpost farmer Shay Ryan, near New Ross Wexford up & growing, grass variety Nashota plus white 🍀 Walked to monitor any weed burden, thankfully low but will still get post emergence spray in next few days



TeagascSignpost
@TeagascSignpost

Mid-season Clover Management Farm Walk taking place on the farm of Brendan Barry, Co. Kilkenny on the 13th June at 11am @teagasc @TeagascKKWD @TeagascOrganics @TeagascT @TeagascCorkEast @TeagascCorkWest @TeagascLKMDL @TeagascWWC @TirlanFarmLife @tirlan_ @teagascmayo

Wexford Wickl
023 from Ear

Mid-Season Clover Management Farm Walk Tue. 13th June @ 11am

Clover Scoring

Fertiliser Management

Grazing Management

 Farm of Brendan Barry, Mealoughmore, Windgap, R95 TN82

Speakers:

- Michael Egan, Teagasc Moorepark
- Eamon Corcoran, Teagasc Mullinavat
- Sandra Hayes, Teagasc Tirlán Future Farm Programme
- John Douglas, Teagasc Grass 10 Team

The Impact of Nitrogen Management Strategies within Grass Based Dairy Systems



A Guide to Transferring the Family Farm

September 2023



An Roinn Talmhaíochta, Bia agus Mara
Department of Agriculture, Food and the Marine

The Future.....Teagasc Together



“To make sustainability front and centre of all Teagasc activities”