



**DAIRYGOLD/TEAGASC
JOINT PROGRAMME & SIGNPOST PROGRAM
2021-2025**

Farm Walk

On the Farm of

Tom O'Connell, Gurteen, Inniscarra, Co Cork

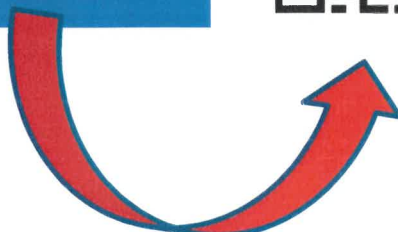
Tuesday 21st June 2022

(By kind permission)

Today's Agenda

1. Current Farm Performance & 2021 profit monitor figures
2. Reducing chemical nitrogen through clover incorporation
3. The new rules surrounding dairy washing storage
4. Managing farmyard nutrients

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FARM DETAILS

LAND		CURRENT STOCK DETAILS	
Land owned (ha)	121	Dairy cow	331
Land leased (ha)	61	0-1 Replacements	147
Milking Platform (ha)	91	1-2 Replacements	119
SR on milking platform (ha)	3.6	Stock bull	6
SR on whole farm (LU/ha)	2.55	0-1 Cattle	11
		1-2 Cattle	13

HERD PERFORMANCE

Milk Production	21/06/2022	2020
Milk yield (litres/cow)	24	5,798 sold
Milk protein %	3.68	3.84
Milk fat %	4.47	4.59
Milk solids (kg/cow)	2.01	503
SCC (,000 cells/ml)	141	114
Grass (kg DM/cow)	12	
Meal (kg DM/cow)	6kg 12% protein	1,112kg
Silage (kg DM/cow)		

Calving and Fertility Performance

	Year	Cows	Heifers
Calving Start Date	2022	10 Jan	25 Jan
Calving spread	2022	13wk +4d	8wk +5d
Calving Interval (Days)	2022	368	
Spring 6 wk. calving rate	2022	86%	
Empty rate %	2021	4%	4.5%
Replacement rate	2022	17%	
Breeding season MSD	2022	24 April	22April

Grass Measurement Report Exported on 20/06/2022

Cover Date: 20/06/2022
Farm: Tom O'Connell - Gurteen
Mob: All Mobs

Management Decisions

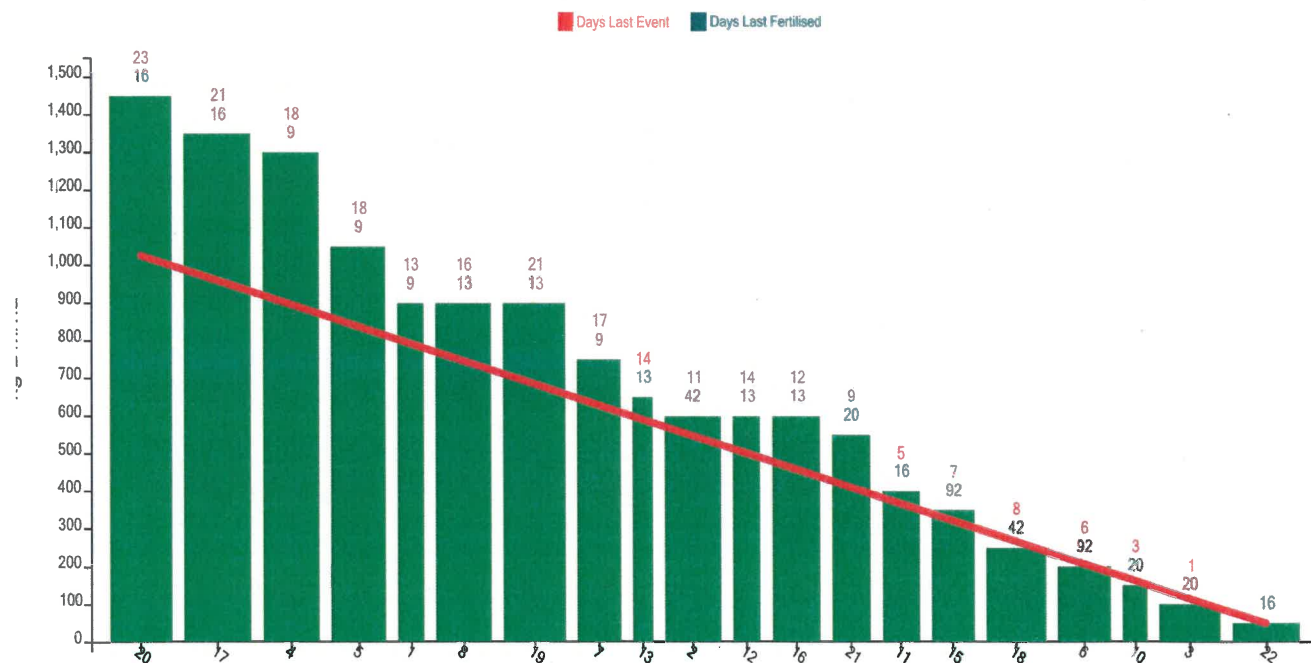
Rotation Length (days):	21	Residual Cover (kg DM/ha)	50
Target Pre-Grazing (kg DM/ha):	1027		

Milk Values

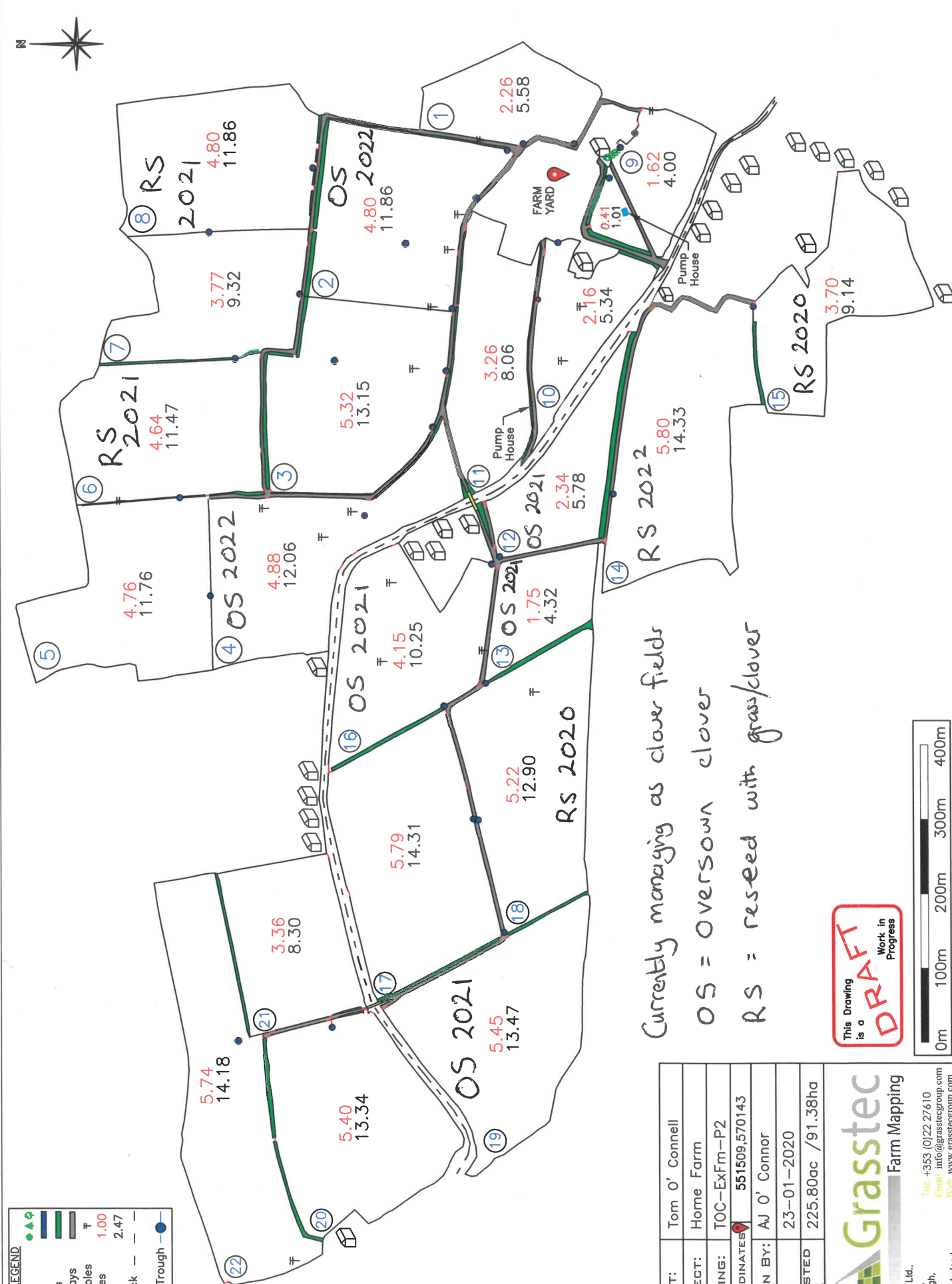
23.84 ltr/cow/day was produced on 18/06/2022 at 4.41% Fat & 3.67% Protein , which is 1.98 kg MS/cow, 889 kg MS/ha YTD

Cover Parameters

Farm Cover (kg DM/ha):	680	Total LU:	324
Cover / LU (kg DM/LU):	175	LU / ha:	3.88
Growth/ha (kg DM/ha/day):	47(47)	Grazing Area:	83.55 ha (20)
Demand / ha (kg DM/ha/day):	47	Reseed:	5.80 ha (1)
Demand / day (kg DM/day):	3888	Silage - Cut Later:	1.62 ha (1)
Days ahead:	14	Silage - Cut Now:	0.00 ha (0)
Kg LWT / ha:		Other:	0.00 ha (0)
		Rotation Length Back (Days):	23



LEGEND	
Trees	●▲●
Water	■
Hedges	—
Roadways	—
ESB Poles	⌈
Hectares	1.00
Acres	2.47
Paddock	—
Wires	—
Water Trough	—●—



Currently managing as clover fields
 OS = Oversown clover
 RS = re-seed with grass/clover

This Drawing is a **DRAFT** Work in Progress



CLIENT:	Tom O' Connell
PROJECT:	Home Farm
DRAWING:	TOC-ExFm-P2
CO-ORDINATES:	551509,570143
DRAWN BY:	AJ O' Connor
DATE:	23-01-2020
ADJUSTED AREA:	225.80ac / 91.38ha

Grasotec Farm Mapping

Grasotec Ltd.,
 Kilpatrick,
 Ballydoogh,
 Mallow,
 Co. Cork, Ireland.

Tel: +353 (0)22 27610
 Email: info@grasotecgroup.com
 Web: www.grasotecgroup.com

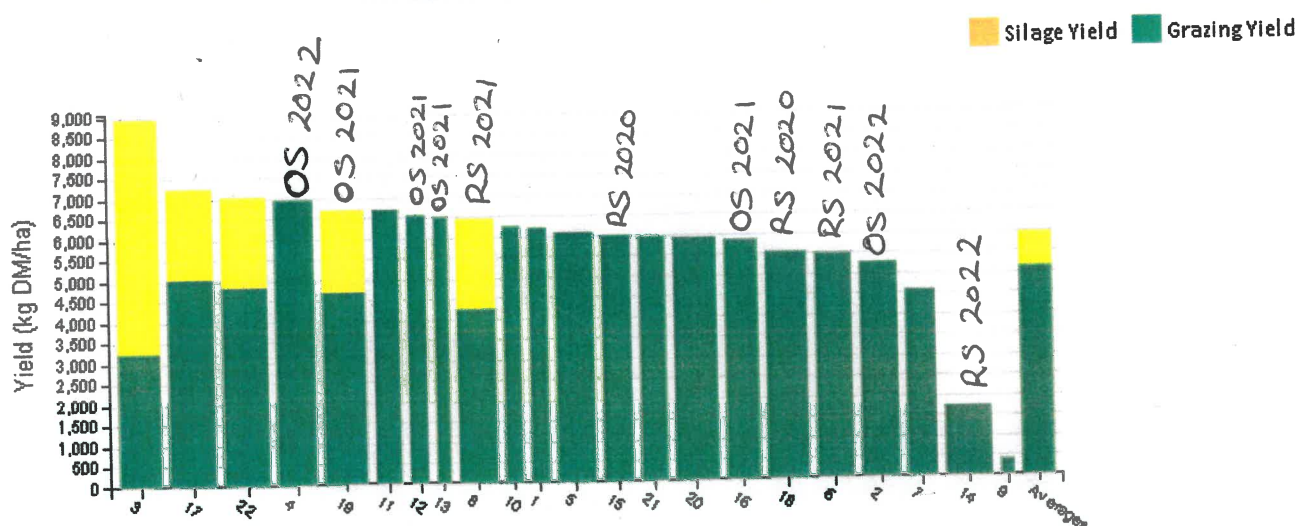
CLOVER/GRASS PADDOCKS - GRASS GROWN AND NITROGEN TO DATE 2022									
Paddock Code	Paddock Name	Area	No. of Grazings	No. of Silage Cuts	Grazing (kg DM/ha)	Silage (kg DM/ha)	Total (kg DM/ha)	Total N kg	of which chemical nitrogen (kgs)
2	across from parlour	4.80	4	0	5250		5250	104	80
4	TOP GREEN HILL	4.88	5	0	6944		6944	156	156
6	BELOW HEDGE	4.64	5	0	5492		5492	79	55
8	NEAR BARTERS	4.80	3	1	4245	2200	6445	80	43
12	AC RD 1	2.34	5	0	6549		6549	115	55
13	AC RD 2	1.75	5	0	6497		6497	115	55
14	JACKS HILL	5.80	1	0	1728		1728	99	75
15	JACKS FIELD	3.70	4	0	5991		5991	66	43
16	BEHIND DAVE	4.15	4	0	5850		5850	103	43
18	NEAR BERNIE	5.22	4	0	5542		5542	92	68
19	PARC Q	5.45	3	1	4697	2000	6697	92	55
Average			3.91		5344		5726	100	66

GRASS ONLY PADDOCKS - GRASS GROWN AND NITROGEN TO DATE 2022									
Paddock Code	Paddock Name	Area	No. of Grazings	No. of Silage Cuts	Grazing (kg DM/ha)	Silage (kg DM/ha)	Total (kg DM/ha)	Total N kg	of which chemical nitrogen (kgs)
1	small field	2.26	5	0	6200		6200	210	186
3	3	5.32	3	2	3247	5700	8947	142	118
5	BOTTOM GREEN HILL	4.76	4	0	6088		6088	166	166
7	NEAR HEDGE	3.77	4	0	4572		4572	166	143
9	LAWN	1.62	1	0	399		399	70	70
10	1ST LAND	2.16	5	0	6242		6242	190	190
11	WOOD 1	3.26	5	0	6695		6695	213	190
17	14 AC	5.79	3	1	5043	2200	7243	172	149
20	MARYS LEFT	5.40	4	0	5915		5915	186	163
21	MARYS RIGHT	3.36	4	0	5947		5947	123	100
22	LONDON	5.74	4	1	4830	2200	7030	166	166
Average			3.82		5016		5934	164	149

RS=Grass/Clover Reseed

OS=Oversown with Clover

Cumulative Paddock Yield to 20 Jun 2022



Report Date: 20/06/2022 (May 2022 Evaluation)

Herd Owner: THOMAS O'CONNELL

Herd No:

**Snapshot of your herd
based on the 20-JUN-22**

1. EBI Herd Summary

Average EBI for all dairy cows with; (i) a known sire (or milk recorded progeny with a known sire) and (ii) are currently on your farm.

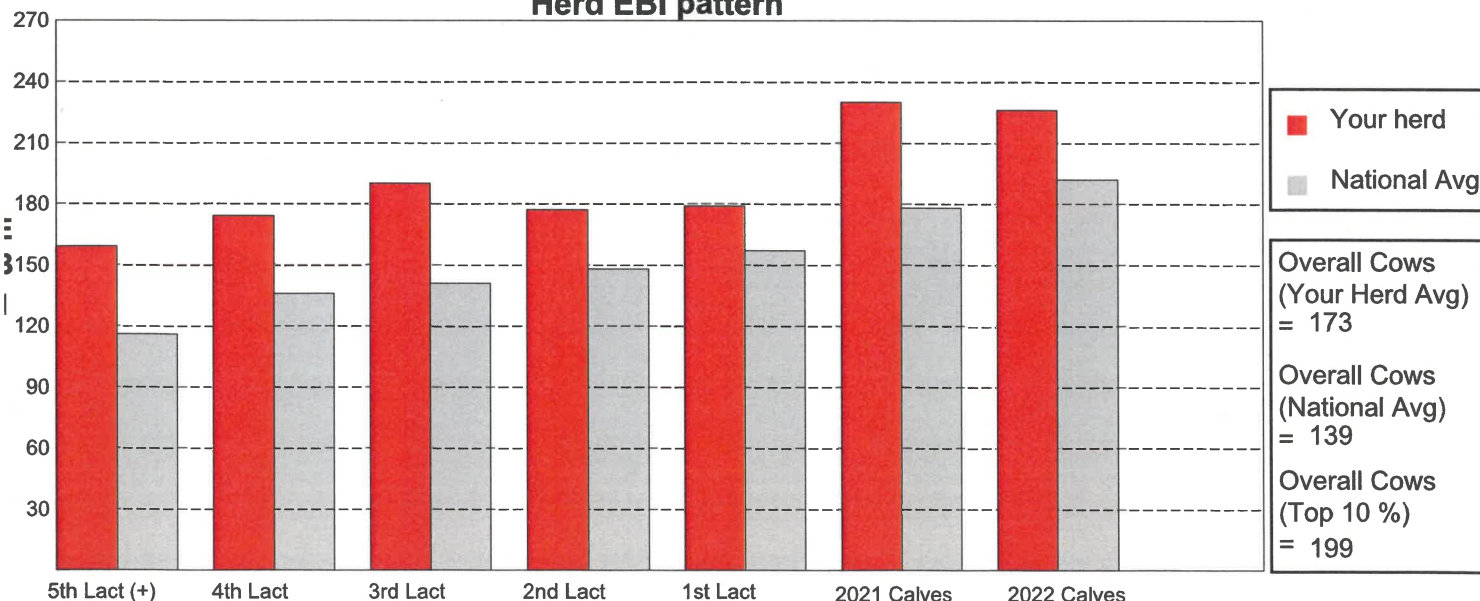
* Number of animals that are missing an EBI result

Animal Group	Num of Cows	Milk Kg Fat Prot	% %	Surv% CI Days	Milk % Cont	Fertility % Cont	Calv % Cont	Beef % Cont	Maint % Cont	Mgmt % Cont	Health % Cont	EBI €
Cows with EBI	331	2			€ 63	€ 66	€ 36	€ -23	€ 23	€ 4	€ 3	
Missing EBI*	0	11.0	0.18	2.0	29%	30.4%	16.5%	-10.6%	10.7%	1.7%	1.2%	€ 173
Total Cows	331	6.9	0.11	-3.3								
1st Lactation	58	-36			€ 67	€ 70	€ 40	€ -23	€ 22	€ 3	€ 0	
		12.2	0.23	2.2	29.8%	31.1%	17.6%	-10.2%	10%	1.2%	0.2%	€ 179
		6.5	0.13	-3.4								
2nd Lactation	57	-38			€ 73	€ 63	€ 39	€ -26	€ 23	€ 5	€ 1	
		12.3	0.23	1.9	31.8%	27.4%	16.8%	-11.4%	10%	2.2%	0.4%	€ 177
		7.5	0.15	-3.1								
3rd Lactation	52	-7			€ 74	€ 66	€ 40	€ -26	€ 27	€ 6	€ 4	
		13.4	0.23	2.1	30.8%	27.1%	16.7%	-10.6%	11%	2.3%	1.6%	€ 190
		7.8	0.13	-3.1								
4th Lactation	44	30			€ 65	€ 61	€ 40	€ -27	€ 26	€ 6	€ 4	
		10.9	0.16	2.0	28.4%	26.5%	17.4%	-11.8%	11.5%	2.7%	1.7%	€ 174
		7.6	0.11	-2.9								
5th Lactation (+)	120	33			€ 52	€ 69	€ 30	€ -19	€ 22	€ 2	€ 4	
		8.8	0.13	1.9	26.3%	34.9%	15.1%	-9.7%	11%	1.1%	1.8%	€ 159
		6.2	0.09	-3.6								

2. Dairy Youngstock

2022 Calves	144	3			€ 81	€ 96	€ 40	€ -20	€ 20	€ 3	€ 6	
Missing EBI*	1	13.7	0.24	2.5	30.6%	36.3%	14.9%	-7.4%	7.5%	1.1%	2.2%	€ 226
Total Calves	145	9.0	0.16	-5.2								
2021 Calves	117	50			€ 82	€ 105	€ 39	€ -22	€ 20	€ 2	€ 3	
Missing EBI*	3	13.9	0.21	2.7	29.9%	38.6%	14.3%	-7.9%	7.4%	0.8%	1.1%	€ 230
Total Calves	120	9.7	0.14	-5.7								

Herd EBI pattern





Dairy Herd Performance Report

Jan - Dec 2021



Herd Owner: THOMAS O'CONNELL

Designator: 10000

Phone 023-8820452

Supplier Number: 10000 / Manufacturing

Table 3: Dairygold/ICBF Performance Score Card

	Your Herd	Dairygold Average	Dairygold Top 10%	Your Rank out of 100	Your Star Rating ¹
Milk performance for 2021 (Jan - Dec) based on Dairygold data					
Fat + Protein (Kg/cow) Average Fat and Protein yield per cow for your herd	503	437	533	79%	* * * *
Litres per Cow per Day Avg litres of Milk per cow from Jan - Dec 2021	15.89	14.99	18.2	59%	* * *
Fat % to end December 2021 Weighted average Fat % from Jan - Dec 2021	4.59	4.2	4.44	96%	* * * * *
Protein % to end December 2021 Weighted average Protein % from Jan - Dec 2021	3.84	3.58	3.72	98%	* * * * *
Average Milk Price (cpl) Incl. VAT Average milk price received from Jan - Dec 2021, (Includes Bonuses/Penalties, Excludes Levies)	44.6	40.5	42.6	98%	* * * * *
SCC (,000 cells/ml) The weighted average Somatic Cell Count for Jan - Dec 2021	114	n/a	100	84%	* * * * *
Fertility & Calving data based on HerdPlus 2021 Calving Report					
Calving Interval (days) Average number of days between successive calvings for cows calved during the period	368	383	363	74%	* * * *
Spring 6 Week Calving Rate Number of cows/heifers calved within the first 6 wks (304) as a proportion of all cows calved during the Spring (335)	91%	71%	88%	96%	* * * * *
% with known Sire and Calving Survey recorded Calves where sire (289) and calving survey (0) are recorded as a proportion of all births during the period (345)	42%	65%	100%	28%	* *
%AI bred replacements Calves born in the period from dairy AI (120) as a proportion of dairy females born (124)	97%	60%	100%	62%	* * * *
% of Heifers Calved at 22-26 months No. of heifers calved (64) that were between 22 & 26 months of age (65)	98%	77%	100%	71%	* * * *
EBI Statistics based on the latest HerdPlus EBI report 2022					
Herd EBI (2022) Average EBI for Cows (317) with EBI data	€169	€129	€170	90%	* * * * *
EBI of 2022 Inseminations Weighted Average EBI of dairy AI bulls recorded in Spring 2022	€279	€249	€287	84%	* * * * *
Table of Terms					
Dairygold Average	The average performance of Participating Dairygold Manufacturing Suppliers				
Dairygold Top 10%	The top 10% cut off point of Participating Dairygold Manufacturing Suppliers				
Your Rank out of 100	Your performance expressed across all Dairygold herds eg. 1% = Bottom Supplier, 50% = Average Supplier 100% = Top Supplier				
Your Star Rating	Your performance is displayed in stars e.g. 1 star is bottom 20% and 5 stars = top 20%				
Eligible Cows	Number of dairy cows in the herd on December 2021				
¹ * = 0 - 20% * * = 21 - 40% * * * = 41 - 60% * * * * = 61 - 80% * * * * * = 81 - 100%					

Tom O Connell Costs per litre - 3 year average (includes replacement enterprise costs)

Year	Gross Output	Feed	Fert	Vet	AI	Contract	Other V.Costs	Total V.Costs	Mach	Car/ESB/phone	Deprec	Hired Labour	Leases	Other F.Costs	Total F.Costs	Total Costs*	Net Profit
	c/l	c/l	c/l	c/l	c/l	c/l	c/l	c/l	c/l	c/l	c/l	c/l	c/l	c/l	c/l	c/l	c/l
2021	52.31	6.76	3.25	1.52	1.16	3.99	2.88	19.56	2.16	1.06	3.11	4.63	2.02	2.18	15.16	34.72	17.59
2020	41.36	4.52	2.85	0.92	0.76	3.00	2.49	14.54	1.96	1.28	2.74	4.83	1.32	1.84	13.97	28.51	12.85
2019	39.88	4.36	2.85	1.49	0.83	3.35	2.45	15.33	1.6	0.97	2.67	4.57	1.2	2.05	13.06	28.39	11.49
2018	43.04	8.63	1.92	1.11	0.48	2.93	2.48	17.55	1.66	0.79	2.79	4.1	1.18	2.06	12.58	30.13	12.9
AVG	41.43	5.84	2.54	1.17	0.69	3.09	2.47	15.81	1.74	1.01	2.73	4.50	1.23	1.98	13.20	29.01	12.41

*excludes own labour

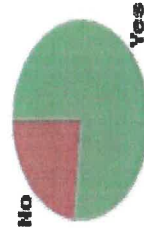
Tom O Connell Farm Physical Performance - 3 year average

Year	Stocking rate	Stocking rate M. P	Cow no	litre /cow	Prot%	Fat %	KG MS /cow	kg MS /MP ha	Herd EBI	6 week calving	replace ment %	SCC	kg conc /cow	Grass Grown	Chem N/ha
	W. Farm			produced										DM/ha	WF
2021	2.47	3.53	319	5798	3.84	4.59	503	1744	169	91	19	114	1,112	14.5	209
2020	2.83	3.52	317	5865	3.79	4.47	499	1719	159	90	21	109	850	15.9	241
2019	2.82	3.46	311	5772	3.72	4.37	481	1626	149	87	21	125	864	16.3	
2018	2.86	3.57	311	6026	3.68	4.38	500	1690	133	89	23	132			
AVG	2.84	3.52	313	5888	3.73	4.41	493	1679	153	89	22	122	942	15.6	

Soil Fertility Summary

Overall Fertility Status

pH > 6.2, P & K index 3 or 4

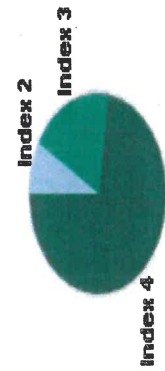


Lime

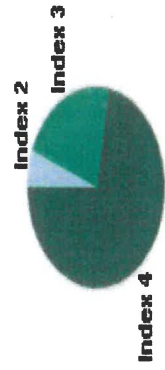
Soil pH > 6.2



Phosphorus P Index



Potassium K Index



	Ha's	%
Yes	119.46	77%
No	36.37	23%

pH	Ha's	%
<5.5	2.34	2%
5.5-5.9	11.48	7%
5.9-6.2	0.00	0%
6.2-6.5	17.77	11%
>6.5	124.24	80%

Index	Ha's	%
1	0.00	0%
2	13.12	8%
3	29.41	19%
4	113.90	73%

Index	Ha's	%
1	0.00	0%
2	9.34	6%
3	33.86	22%
4	112.63	72%