Teagasc
The Science of Farming and Food

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INGREDIENTS IRELAND

Teagasc GII monitor farm walk

Pat and Úna Dillon

Grangecuffe

Co. Kilkenny

Topics

Introduction to new monitor farm.

Financial and physical farm plan.

Cash flow issues for 2016

Feeding the cow from now to next Spring.

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LEADERS IN FARM MAPPING

CLIENT:	Patrick Dillon
PROJECT:	Homefarm
DRAWN BY:	Pat Carroll
DATE:	05–07–13
ADJUSTED AREA:	96.32ac / 38.98ha

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Option 3.

120 cows

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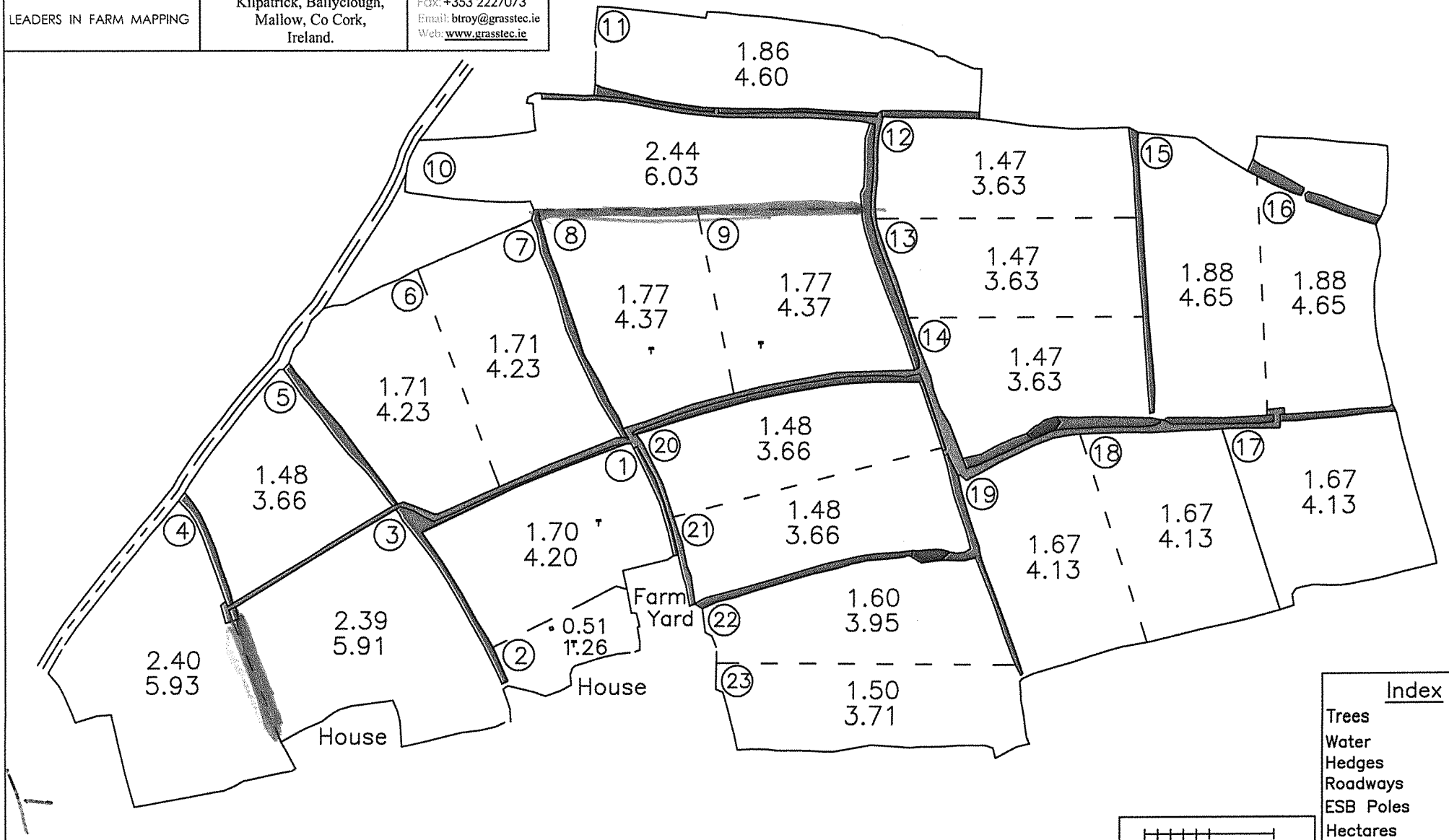

Farm Information Sheet for Discussion Groups/Farm Walks

Teagasc Advisory

Name	Patrick Dillon		
Address	Cuffesgrange Co Kilkenny	Print Date	28-Sep-2015

Short Term Goals	Long Term Goals
Imorove soil fertility	Milk 140 cows
Reseed silage ground	Contract rear all heifers
Manage cash flow	Increase grass grown

Farm Details		Stock Details	Today	Last Yr	2018 Target
Land owned (ha)	40	Dairy cows	119	90	140
Land farmed (ha)	58	0-1 replacements	47	40	
		1-2 replacements	39	36	
Milking platform (ha)	38	2+ replacements			
Cows/milking platform (ha)	2.9				
Total labour units on farm	1.25				
		Overall stocking rate	2.25	2.37	2.4

Costs and Profit	c/l	Average
Dairy output	38.68	39.43
Feed	3	4.46
Fertiliser	3.07	2.83
Vet	0.99	1.16
AI	0.68	0.61
Contractor	1.68	1.86
Other variable costs	1.38	1.98
Total variable costs	11.07	12.9
Machinery	0.59	1.67
Car, ESB, Phone	1.18	1.47
Depreciation	1.82	2.15
Other fixed costs	5.39	5.07
Total fixed costs	8.98	10.31
Net profit	**18.63**	**16.21**
Net profit / cow €	**912**	**832**

EBI Details 22-Sep-2015	Cows	Repl 9+	Calves
Number	118	39	47
EBI (€)	164	195	202
Milk SI (€)	38	48	54
Fertility SI (€)	102	115	119
PTA Milk kg	74	86	63
PTA Fat %	0.1	0.13	0.17
PTA Protein %	0.06	0.08	0.1

Calving and Fertility	Year	Cows	Heifers
Calving start date	2015	28-Jan-2015	28-Jan-2015
Median calving date	2015	12-Feb-2015	03-Feb-2015
Calving Period	2015	12 wk	12 wk
Calving interval (days)	2015	368	-
Spr 6 wk calving rate (%)	2015	94	-
3 wk submission rate	2015	89	95
6 wk in calf rate (%)	2015	95	-
Empty Rate(%)	2015	5	5

Main AI Sires Used 2015	No. Straws	EBI (€)	Milk/Fert (€)
HYY		276	108/143
HZB		332	102/183
OGY		278	92/161
PBM		235	89/124
ABO		264	87/146
YAD		313	114/161
G€N€ IR€LAND			/
Weighted Average EBI	**154**	**288**	**101/155**

Tonnes grass utilised/ha	9.5	

Current Performance Grassland Management	Today	Target	Milk Production	28/09/2015		2014 Sold per cow
St. rate (milking platform)	3.11		Milk yield (litres/cow)	18.4		4898
Demand (kg DM/ha)	52		Milk protein %	3.88		3.48
Pre-grazing yield (kg DM/ha)	2300		Milk fat %	4.48		4.08
Avg farm cover (kg DM/ha)	1241		Milk solids (kg/cow)	1.58		382
Cover/LU (kg DM)	399					
Rotation length (days)	40		SCC(,000 cells/ ml)	179		179
Fertiliser use (kg N/ha)	250		Meal fed (kg/cow)	2 (400)		500

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Financial Planning

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	2014	2015	2016	2017	2018
Ha Farmed	58	58	58	58	58
Cow No.	95	112	130	140	140
Milk Supply lt	490,000	550,000	674,000	742,000	756,000
Fat %	4.08	4.08	4.20	4.30	4.4
Protein %	3.48	3.58	3.6	3.65	3.7
MS/Cow kg	385	400	421	437	454
Milk Price c/l	38.3	32	33	33.5	34.8
Milk Sales €	174,265	159,650	211,530	236,845	250,908
Stock Sales€	41,172	29,600	25,400	41,400	36,600
Total Farm Costs/Ha €	1993	2148	2784	2788	2796
Net Farm Profit/Ha €	2056	1654	1849	2196	2449
Cash Flow Ratio %	45	55	57	50	49
Net Cash Flow €	**28134**	**8156**	**19153**	**47568**	**53668**

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Month by month

Month		
Opening Current Account balance	€	A
Expected Receipts		
milk sales _____ litres @ ____ cpl	€	
Other sales	€	
Total Receipts	€	B
Expected Payments		
Living Expenses	€	
Loan Repayments	€	
Tax	€	
Farm Expenses (list)		
1. Creditors to be paid e.g. co-op trading a/c	€	
2. Known payments e.g. direct debit	€	
3.	€	
4.	€	
Total Expenses	€	C
Estimated Closing Current Account balance	€	A+B-C

Creditors at start of month	
	€
	€
	€
	€
	€

Creditors at end of month	
	€
	€
	€
	€
	€

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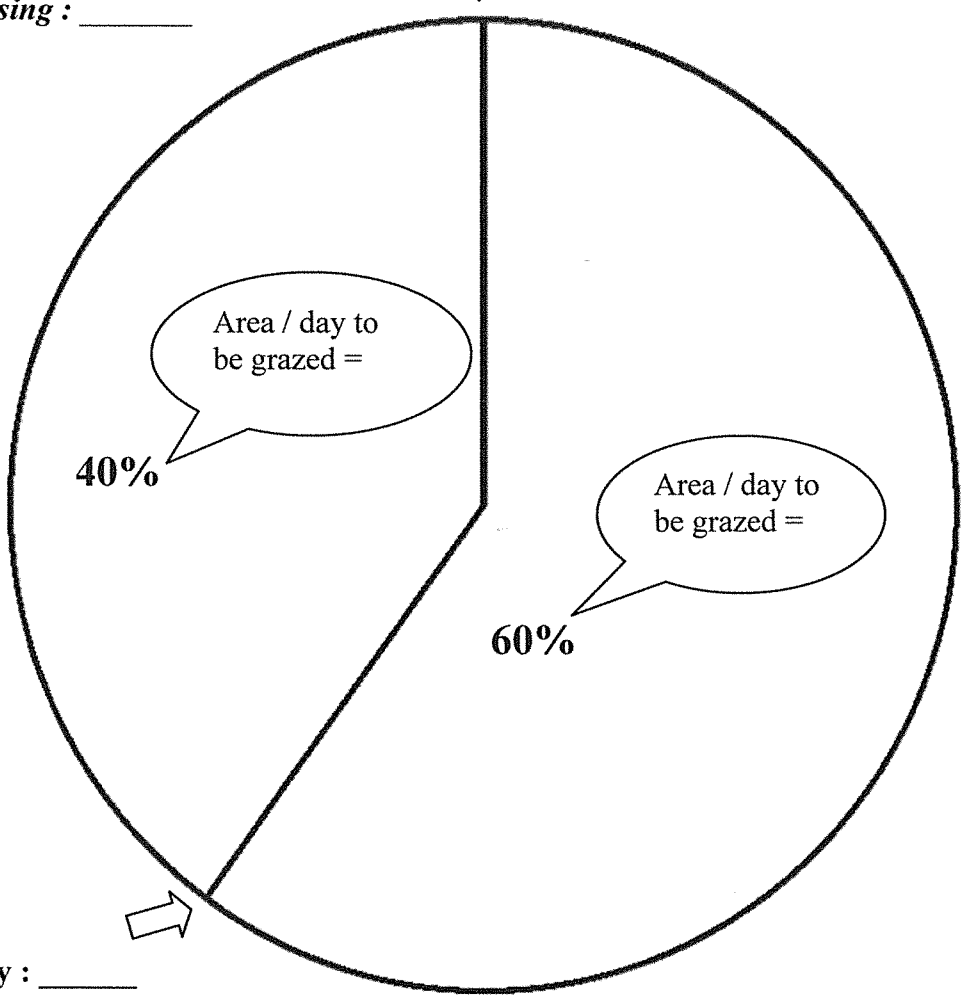
Your Last Rotation Grazing Plan ?

Land Available : _____

Start of Last Rotation _____

Full Time Housing : _____



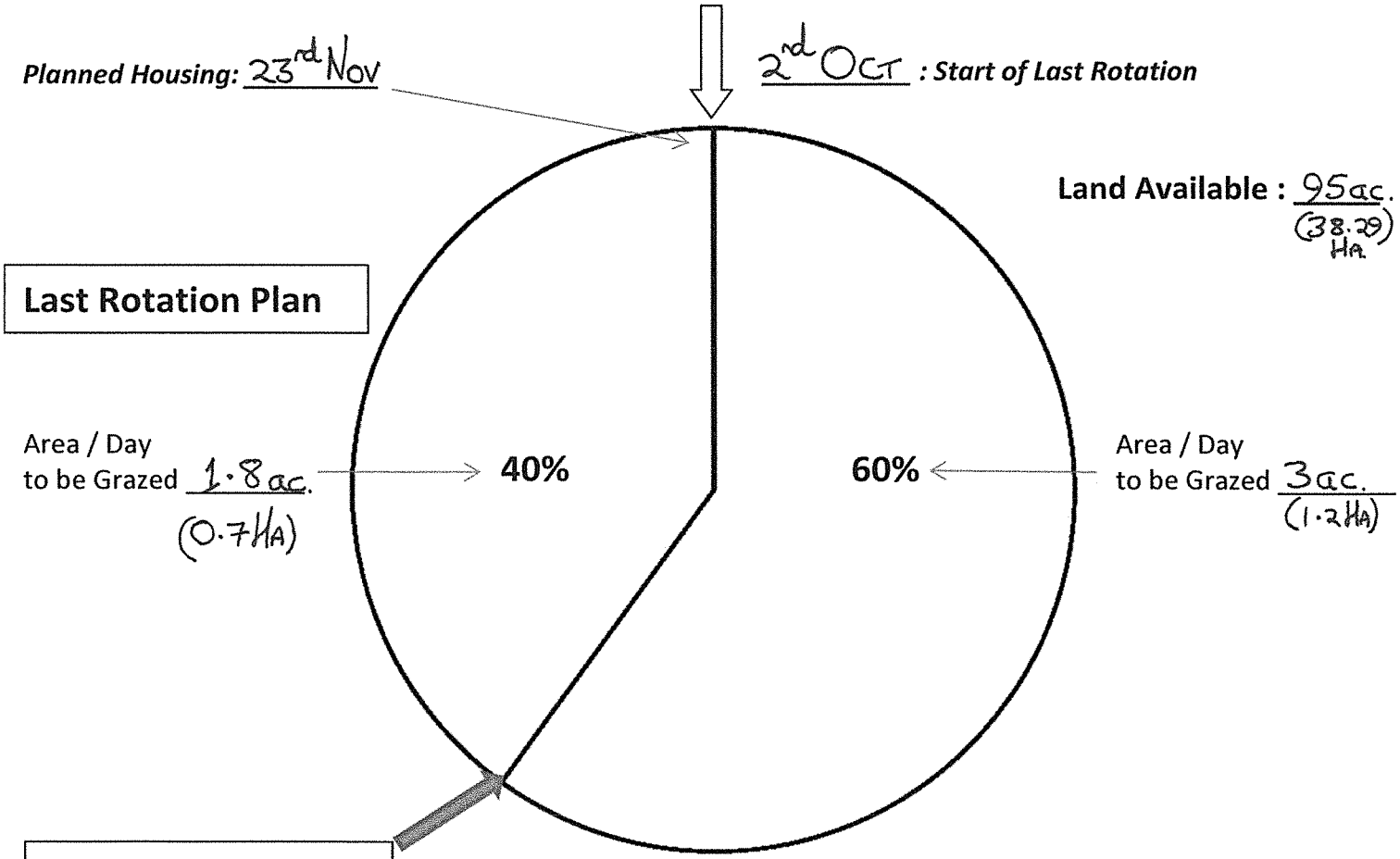
60% Grazed by : _____

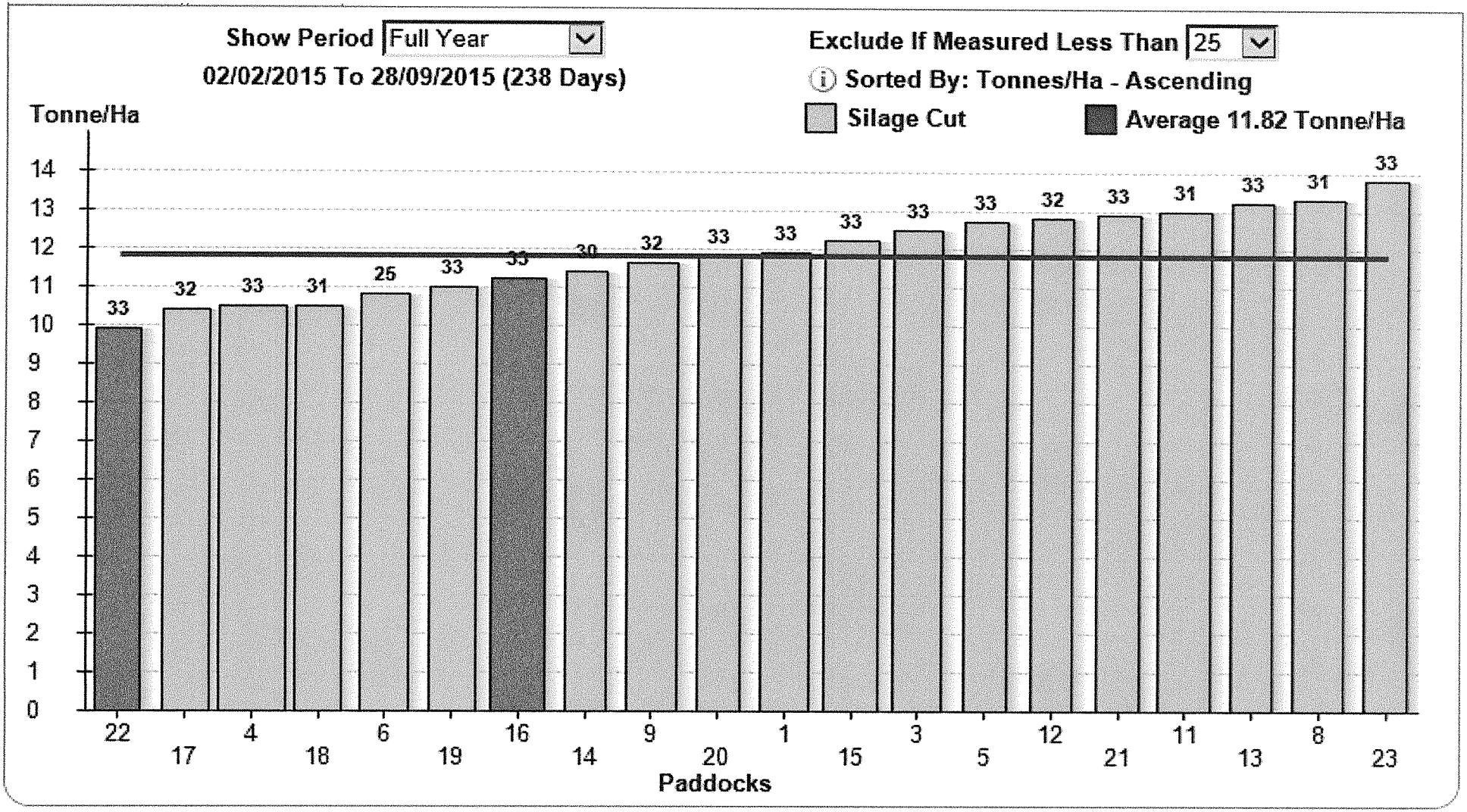
Key Grassland Management Guidelines This Autumn To Improve Dairy Cash Flow.

Key Message : "Avoid temptation of milking cows on this Autumn at the expense of cow body condition score and grass supply in Spring 2016"

Last Grazing Rotation Objectives :

- **Keep grazed grass** in the milking cow`s diet for as long as possible *(Use grass budget / follow 60: 40 grazing plan below).*
- **Focus on grazing out paddocks well** to encourage winter tillering & ensure top quality swards for milking cows next Spring. *(Be prepared to use strip wire / on-off grazing)*
- **Start the last rotation NOW** & do not re-graze fields that have been closed !
- Paddocks grazed out in next four weeks will supply **VITAL grass in Spring 2016**. *(Target to graze 60% by 1st Nov !)*




Show Period Full Year
02/02/2015 To 28/09/2015 (238 Days)
Exclude If Measured Less Than 25
Sorted By: Tonnes/Ha - Ascending
Silage Cut
Average 11.82 Tonne/Ha
Tonne/Ha
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
33 32 33 31 25 33 33 30 32 33 33 33 33 33 32 33 31 33 31 33
22 17 4 18 6 19 16 14 9 20 1 15 3 5 12 21 11 13 8 23
Paddocks

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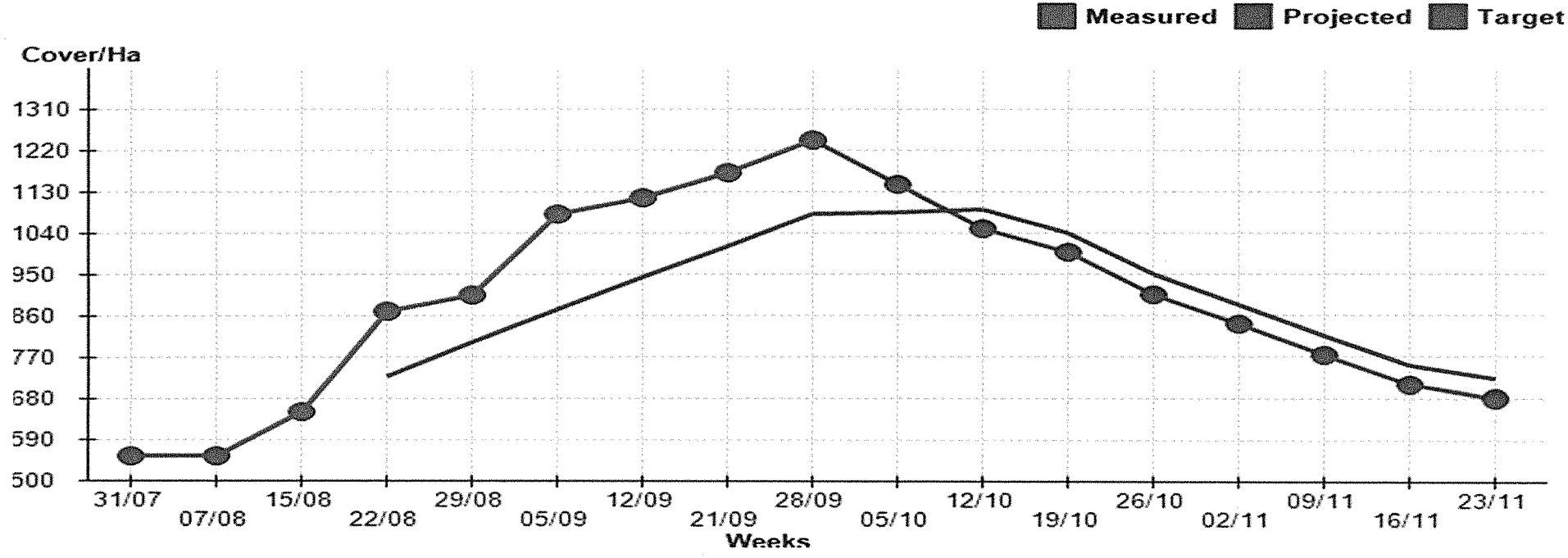
Autumn Grass Budget 2015

Week Starting	21/09/2015	28/09/2015	05/10/2015	12/10/2015	19/10/2015	26/10/2015	02/11/2015	09/11/2015	16/11/2015	23/11/2015
Grazing Area	38.29	38.29	38.29	38.29	38.29	38.29	38.29	38.29	38.29	38.29
Target Cover	1010	1079	1085	1091	1040	947	880	814	748	719
Projected Cover			***1145***	***1049***	***998***	***905***	***838***	***772***	***706***	***677***
Measured Cover	1171	**1241**	0	0	0	0	0	0	0	0
Growth Cover	**45**	**36**	**36**	**24**	18	14	14	14	10	8
Spring Milkers	**112**	**112**	**112**	**100**	**100**	**90**	**90**	**90**	**90**	**90**
Grass	**17**	**17**	**17**	**12**	**12**	**10**	**10**	**10**	**6**	**6**
Meal	2	2	2	3	3	3	3	3	3	3
Silage	0	0	0	3	3	5	5	5	9	9
LU	112	112	112	100	100	90	90	90	90	90
Grass Demand	49.73	49.73	49.73	31.34	31.34	23.5	23.5	23.5	14.1	14.1
Stocking Rate	2.93	2.93	2.93	2.61	2.61	2.35	2.35	2.35	2.35	2.35
Cover/LU	399.7	423.6	390.8	401.9	382.4	385.1	356.6	328.5	300.4	288.1



Glanbia Central Lab
Dungarvan Business Park
Dungarvan
Co. Waterford

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Glanbia Bulk Milk Disease Screening Service

Patrick Dillon	**Sample ID**	1510655	
Grange Cuff	**Herd Number**	J1990154	
Kilkenny	**Farm Dev. Advisor**	Liam Phelan	
Kilkenny	**Vet**	Druids Lodge Veterinary Clinic	

Vaccination Status			
IBR	**BVD**	**LEPTO**	**Salmonella**
Yes	Yes	Yes	Yes

SUMMARY RESULTS REPORT

Disease	Test Method	Date 20/06/15		Date 18/04/15		Date 19/09/14		Date 22/06/14	
		Result Reading	Grade	Result Reading	Grade	Result Reading	Grade	Result Reading	Grade
IBR gB (Non Vaccinating Herd)	ELISA (Antibody)								
IBR gE (Vaccinating Herd)	ELISA (Antibody)	0.634	POS	0.633	POS	0.648	POS	0.514	POS
Leptospirosis	ELISA (Antibody)	0.441	POS	0.995	POS	0.364	POS	0.358	POS
BVD Antibody	ELISA (Antibody)	49.236	LPOS	38.589	HPOS	62.320	LPOS	45.190	LPOS
Neospora	ELISA (Antibody)	0.080	NEG	0.037	NEG	0.187	NEG	0.325	NEG
Salmonella	PCR/ELISA (Antigen)	ELISA (Antigen)	NEG	ELISA (Antigen)	NEG	PCR (Antigen)	POS	ELISA (Antigen)	NEG
Ostertagia (Stomach Worms)	ELISA (Antibody)	0.65061	LPOS	0.59247	LPOS	0.85946	HPOS	0.46839	LPOS
Fasciolosis (Liver Fluke)	ELISA (Antibody)	48.68	LPOS	69.36	LPOS	240.3	HPOS	60.33	LPOS

COMMENT: Where cows/herds are currently vaccinated for BVD, IBR, Lepto; results for these tests may be affected by vaccination. Results are representative of milking cows whose milk is in the bulk tank at the time of sampling and relate only to the portion of the sample tested. All results should be discussed with your Veterinary Practitioner. Antibody levels indicate previous exposure to disease and/or vaccine. Positive results on antigen tests indicate the presence of that infectious disease in the milk sample.

Authorised by Laboratory Manager Sharon Roe 26 June 2015

The effect of BC on fertility

Condition Score at 1st Service	3 week Submission Rate	Pregnancy Rate after 42 days
Under 2.5	58%	50%
2.75	72%	57%
Over 3.0	73%	66%

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Target Scores

	Herd Average
Drying off	3.0 – 3.25
Pre-Calving	3.25
Start of Breeding	3.0

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