

Teagasc GII monitor farm walk

Peter and Laurance Mongey

Stackallen

Slane

Co. Meath

Topics

Introduction to new monitor farm.

Financial and physical farm plan.

Cash flow issues for 2016

Feeding the cow from now to next Spring.



Farm Information Sheet for Discussion Groups/Farm Walks

Name	Peter Mongey	IE Number	
Address	Curniaghanstown Stackallen Navan Co Meath	Print Date	28-Sep-2015

Short Term Goals			Long Term Goals		
Milk 100 cows			Increase soil fertility		
Contract rear heifers			Grow 15t/dm/ha grass		

Farm Details		Stock Details		Today	Last Yr	2018 Target
Land owned (ha)	39	Dairy cows		92	85	100
Land farmed (ha)	42	0-1 replacements		25	25	25
Cereal crops (ha)		1-2 replacements		37	24	25
Milking platform (ha)	29	2+ replacements			9	
Cows/milking platform (ha)	2.9					
		0-1 cattle			8	
		1-2 cattle				
		Other cattle				
Total labour units on farm	1.2	Overall stocking rate		2.2		2.4
		Organic N (kg/ha)		187		204

2014			2014			
Costs and Profit	c/l	Average	EBI Details 28-Sep-2015	Cows	Repl 9+	Calves
Dairy output	36.27	39.33	Number	89	37	25
Feed	5.46	6.39	EBI (€)	122	201	201
Fertiliser	2.19	2.22	Milk SI (€)	55	70	67
Vet	0.63	1.03	Fertility SI (€)	48	100	102
AI	0.65	0.52	PTA Milk kg	214	189	182
Contractor	1.33	1.63	PTA Fat %	0.02	0.1	0.1
Other variable costs	2.78	1.96	PTA Protein %	0.05	0.1	0.1
Total variable costs	13.06	13.73				
			Calving and Fertility	Year	Cows	Heifers
Machinery	1.28	1.97	Calving start date	2015	07-Jan-2015	15/09/2015
Car, ESB, Phone	1.5	1.36	Median calving date	2015	04-Feb-2015	
Depreciation	2.56	2.05	Calving Period	2015	17wk 3d	9 wks
Other fixed costs	3.14	5.6	Calving interval (days)	2015	385	-
Total fixed costs	8.48	10.98	Spr 6 wk calving rate (%)	2015	67	-
Net profit	14.73	14.62	3 wk submission rate %	2015	73	-
Net profit per cow (€)	812	864	6 wk in calf rate (%)	2015	72	-
			Empty Rate(%)	2015	4 (16 wks)	1

			Main AI Sires Used 2015	EBI (€)	Milk/Fert (€)
			YAD	313	114/161
			PCZ	320	138/139
			FYK	313	89/170
			OMG	332	71/212
			FR2012	332	91/198
Tonnes grass utilised/ha	8.1	12	ABO	264	87/146
			GENE IRELAND		/
			Weighted Average EBI	313	104/166

Current Performance					2014	
Grassland Management		Today	Target	Milk Production	29/09/2015	Sold per cow
St. rate (milking platform)	3.13			Milk yield (litres/cow)	18.81	5200
Demand (kg DM/ha)	50			Milk protein %	3.98	3.36
Pre-grazing yield (kg DM/ha)	2400			Milk fat %	4.87	3.97
Avg farm cover (kg DM/ha)	1110			Milk solids (kg/cow)	1.71	
Cover/LU (kg DM)	354					
Rotation length (days)	40			SCC(,000 cells/ ml)	188	179
Fertiliser use (kg N/ha)	250			Meal fed (kg/cow)	2 (Spec 4 autumn)	

Financial Planning

	2014	2015	2016	2017	2018
Ha Farmed	42	42	42	42	42
Cow No.	79	85	97	97	97
Milk Supply lt	435,700	469,791	543,200	552,900	562,600
Fat %	4.00	4.1	4.2	4.3	4.35
Protein %	3.36	3.37	3.38	3.4	3.45
MS/Cow kg	421	428	441	456	470
Milk Price c/l	38.3	31.5	32.0	32.5	33
Milk Sales €	155,000	137,094	163,094	169,618	175,428
Stock Sales€	11,773	24,100	33,050	27,650	27,650
Total Farm Costs/Ha €	2508	2792	2915	2933	2952
Net Farm Profit/Ha €	1772	1463	1950	2073	2193
Cash Flow Ratio %	51	60	53	53	52
Net Cash Flow €	20,000	4,234	21,685	18,965	21,447

Month by month

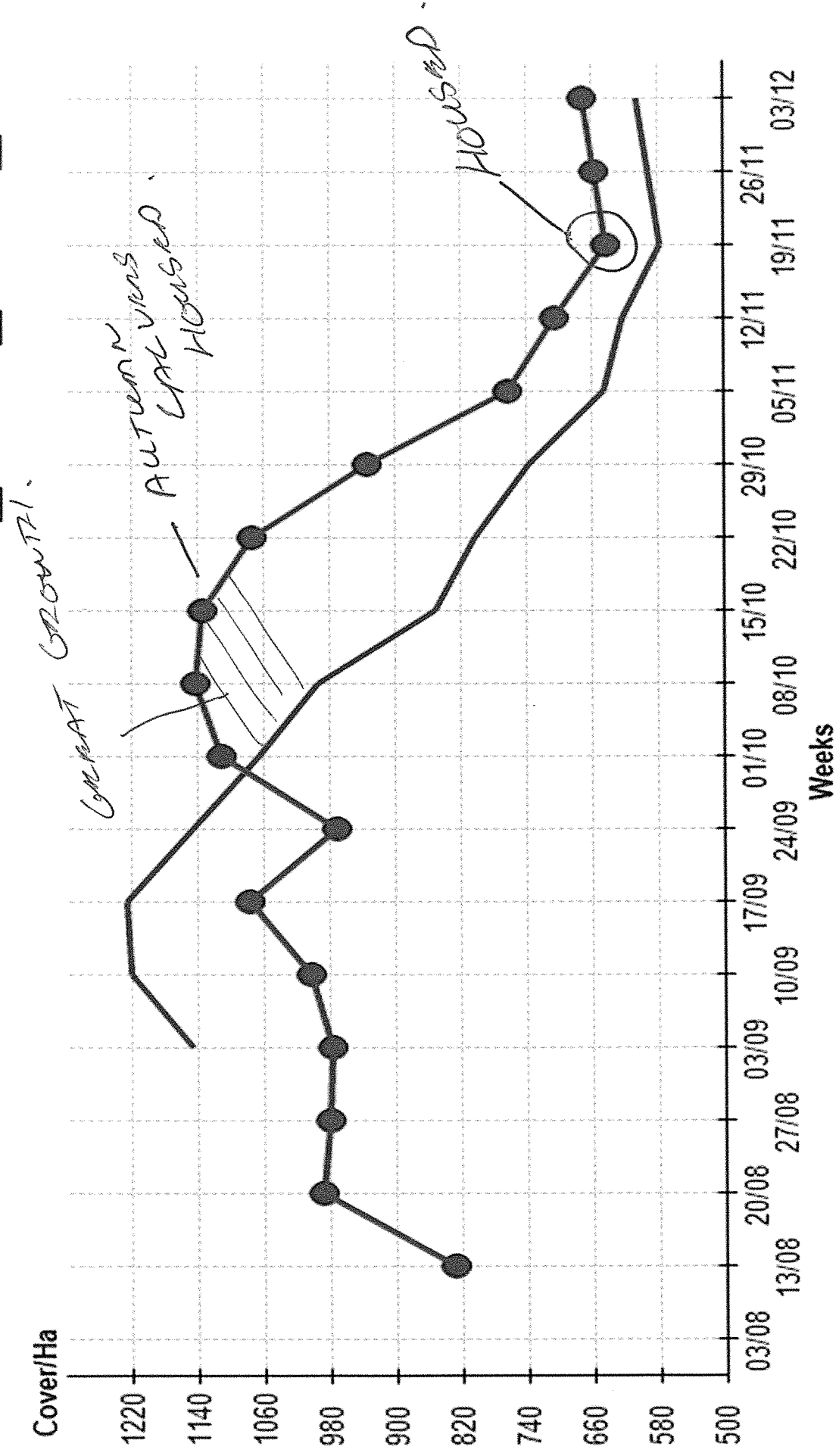
Month		
Opening Current Account balance	€	A
Expected Receipts		
milk sales _____ litres @ ____ cpl	€	
Other sales	€	
Total Receipts	€	B
Expected Payments		
Living Expenses	€	
Loan Repayments	€	
Tax	€	
Farm Expenses (list)		
1. Creditors to be paid e.g. co-op trading a/c	€	
2. Known payments e.g. direct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

Creditors at start of month	
	€
	€
	€
	€
	€


Creditors at end of month	
	€
	€
	€
	€
	€

Autumn grass budget


Measured
 Projected
 Target



Farm Area (Ha)


Start Date 

31 Days / 23.408 Ha Grazed

Interim Date 

% To Graze By Interim Day

12 Days / 5.852 Ha Grazed

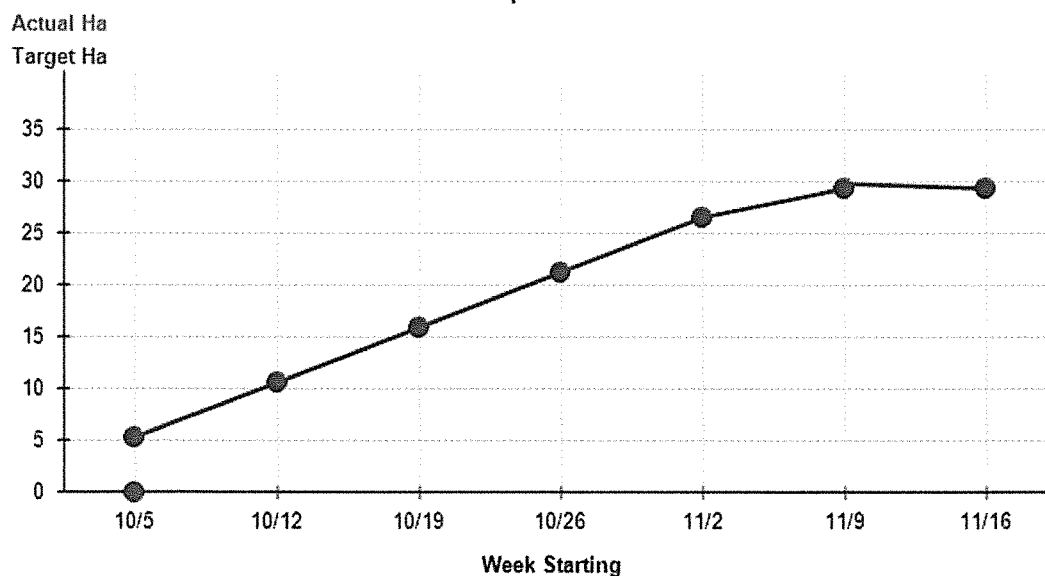
Housing Date 

Notes:

[Update/Save](#)

Week	Ha/Day	Target Ha Grazed by week end	Target %	Actual Ha Grazed by week end	Actual %
05/10 - 11/10	0.76	5.29	18.1		
12/10 - 18/10	0.76	10.57	36.1		
19/10 - 25/10	0.76	15.86	54.2		
26/10 - 01/11	0.76	21.14	72.3		
02/11 - 08/11	0.76	25.36	86.7		
09/11 - 15/11	0.49	28.77	98.3		
16/11 - 22/11	0.49	29.26	100.0		

--- Comparison Chart ---



Support: (+353)46-9245118 (9am-10pm), (+353)46-9249964 (9am-5.30pm) support@agrinet.ie

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Grass growth 2015 per paddock

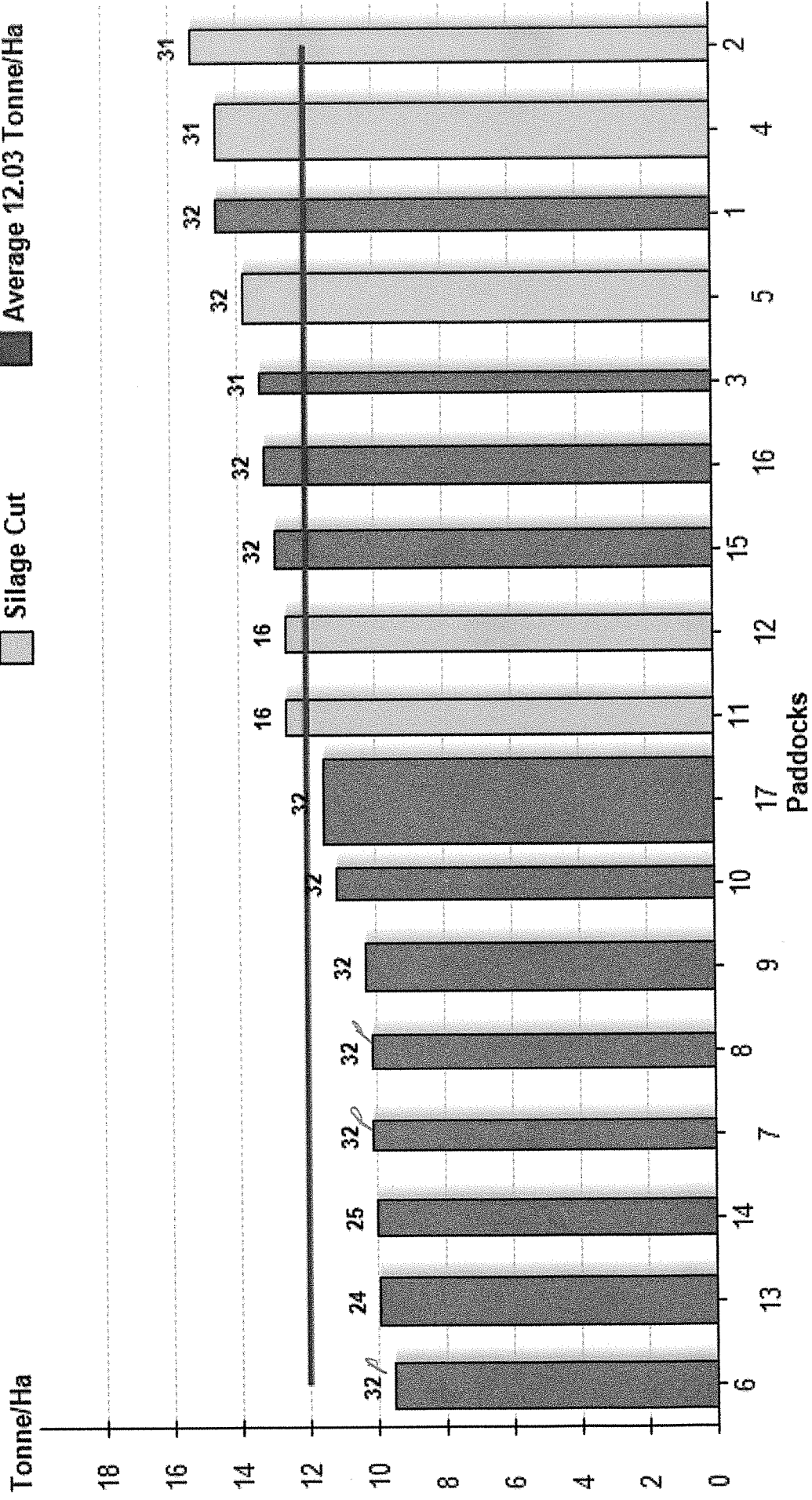
Show Period

18/02/2015 To 01/10/2015 (225 Days)

Exclude If Measured Less Than

Sorted By: Tonnes/Ha - Ascending

☐ Silage Cut ☒ Average 12.03 Tonnes/Ha



Glanbia Bulk Milk Disease Screening Service

Peter Mongey Sample ID 7211481
Curriaghanstown Herd Number Q1360150
Stackallen Farm Dev. Advisor John Hennigan
Slane Vet Navan Veterinary Clinic
Co Meath

Vaccination Status			
IBR	BVD	LEPTO	Salmonella
No	No	Yes	No

SUMMARY RESULTS REPORT

Disease	Test Method
IBR gB (Non Vaccinating Herd)	ELISA (Antibody)
IBR gE (Vaccinating Herd)	ELISA (Antibody)
Leptospirosis	ELISA (Antibody)
BVD Antibody	ELISA (Antibody)
Neospora	ELISA (Antibody)
Salmonella	PCR/ELISA (Antigen)
Ostertagia (Stomach Worms)	ELISA (Antibody)
Fasciolosis (Liver Fluke)	ELISA (Antibody)

Date	11/09/15	Grade
Result Reading	0.795	NEG
0.134	POS	
36.820	HPOS	
0.149	NEG	
ELISA (Antigen)	NEG	
0.92032	HPOS	
197.8	HPOS	

Date	13/06/15	Grade
Result Reading	2.611	NEG
0.178	POS	
45.589	LPOS	
0.173	NEG	
ELISA (Antigen)	NEG	
0.73319	LPOS	
153.3	HPOS	

Date	11/04/15	Grade
Result Reading	2.477	NEG
0.069	LPOS	
52.230	LPOS	
0.184	NEG	
ELISA (Antigen)	NEG	
0.85247	HPOS	
196.7	HPOS	

Date	29/11/14	Grade
Result Reading	11.066	NEG
0.047	LPOS	
48.003	LPOS	
0.119	NEG	
ELISA (Antigen)	NEG	
1.3561	HPOS	
184.3	HPOS	

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.

The effect of BC on fertility

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



Target Scores

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



**Dry cow feeding to reach target
BCS of 3.25 in 8wk dry period**

BCS at Drying Off

Silage DMD (UFL)	<2.5	2.5	2.75	3.0+
>72 (0.81)	S+1C	S	SR	SR
68-72 (0.78)	S+2C	S+1C	S	SR
<68 (0.76)	S+3C	S+2C	S+1C	S

S = silage ad lib; SR = silage restricted

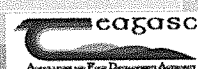
IC = 1kg meal; 2C = 2kg meal etc



**Table 3. Dry off dates for different dry period durations
based on calving date**

Dry Off Date

Calving Date	9 week dry	12 week dry	14 week dry
15-Jan	13-Nov	23-Oct	09-Oct
01-Feb	30-Nov	09-Nov	26-Oct
20-Feb	19-Dec	28-Nov	14-Nov
01-Mar	29-Dec	08-Dec	24-Nov
17-Mar	14-Jan	24-Dec	10-Dec
01-Apr	29-Jan	08-Jan	25-Dec



Grass Silage Analysis Report for Dairy Cattle

Adviser's name & address

Vincent Treacy
Teagasc
Willowfield Navan Road
Kells Co.Meath
Tel:- 00 353 46 9240039
e-mail:- vincent.treacy@teagasc.ie
FAX:-

Farmer's name & address

Peter Mongey
Stachallen
Slane Co.Meath

FAX:-

Mob:-

Tel:- 0863906685



Sample & analysis details

Sample no.	15-09-1190
Date received	23/9/15
Date reported	25/9/15
HFIS no.	99,528
Farmer acc.	
Farmer silo id.	

Sample type

Additive
Cut date
Cut no.
Cut system
Comments

Grass Silage

None
22/7/15
Second
Precision

Feeding reports requested

Dairy cows Yes
Suckler cows
Breeding ewes
Growing lambs
Growing cattle

Practical Feeding Information

Comments

**Second cut
av. 2014**

Range

Dry matter (%) ^{1 2}	32.0	Good	29.6	15	to	55
pH ^{1 2}	3.9	Good	4.2	3.5	to	5.0
Ammonia (% total N)	8.0	Good	10.0	7	to	15
Protein (% DM) ^{1 2}	10.5	Satisfactory	12.0	7	to	16
ME (MJ/kg DM) ^{1 2}	10.0	Satisfactory	10.4	9	to	12
DMD (% DM) ²	65	Average	67	55	to	82
FIM intake (g/kgW0.75) ^{1 2}	92	Average	93	70	to	115

The comments above are for general guidance on silage quality only and are not covered by any accreditation system

Additional Feeding Information

Lactic acid (% DM) ^{1 2}	6.3
Lactic acid (% total acids) ¹	79
Volatile fatty acids (% DM) ^{1 2}	1.7
PAL (meq/kg DM) ¹	700
Neutral detergent fibre (% DM) ^{1 2}	48
Soluble sugars (% DM) ²	3.4
FME (MJ/kg DM)	7.9
FME/ME ratio	0.80
Oil (% DM) ²	3.0

French System parameters

PDIA	PDIE	PDIN	UFL	UFV
19	66	62	0.72	0.67



Approved by:

Kyla McKinstry - HFIS Services Manager
Louise Macaulay - Assistant HFIS Services Manager.

1.0

¹ Values validated by FAA Group

² Values covered by UKAS Accreditation

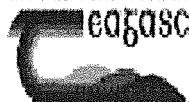
15-09-1190



Grass Silage Analysis Report for Dairy Cattle

Adviser's name & address

Vincent Treacy
Teagasc
Willowfield Navan Road
Kells Co.Meath
Tel:- 00 353 46 9240039
e-mail:- vincent.treacy@teagasc.ie
FAX:-



Farmer's name & address

Peter Mongey
Stachallen
Slane Co.Meath

FAX:-
Mob:-
Tel:- 0863906685

Sample & analysis details

Sample no.	15-09-1189
Date received	23/9/15
Date reported	25/9/15
HFIS no.	99,527
Farmer acc.	
Farmer silo id.	

Sample type

Additive
Cut date
Cut no.
Cut system
Comments

Grass Silage
None
8/6/11
First
Big Bale

Feeding reports requested

Dairy cows Yes
Suckler cows
Breeding ewes
Growing lambs
Growing cattle

Practical Feeding Information

Dry matter (%) ^{1 2}

34.1

pH ^{1 2}

4.5

Ammonia (% total N)

7.0

Protein (% DM) ^{1 2}

11.5

ME (MJ/kg DM) ^{1 2}

11.6

DMD (% DM) ²

77

FIM intake (g/kgW0.75) ^{1 2}

106

Comments

Good

Satisfactory

Good

Satisfactory

Good

Good

Good

**First cut av.
2014**

Range

25.6 15 to 55
4.2 3.5 to 5.0
11.0 7 to 15
11.5 7 to 16
10.5 9 to 12
67 55 to 82
89 70 to 115

The comments above are for general guidance on silage quality only and are not covered by any accreditation system

Additional Feeding Information

Lactic acid (% DM) ^{1 2}	3.4
Lactic acid (% total acids) ¹	83
Volatile fatty acids (% DM) ^{1 2}	0.7
PAL (meq/kg DM) ¹	779
Neutral detergent fibre (% DM) ^{1 2}	39
Soluble sugars (% DM) ²	5.3
FME (MJ/kg DM)	9.3
FME/ME ratio	0.81
Oil (% DM) ²	3.2

French System parameters

PDIA	PDIE	PDIN	UFL	UFV
21	82	68	0.87	0.84



Approved by:

[Signature]

¹ Values validated by FAA Group

² Values covered by UKAS Accreditation