

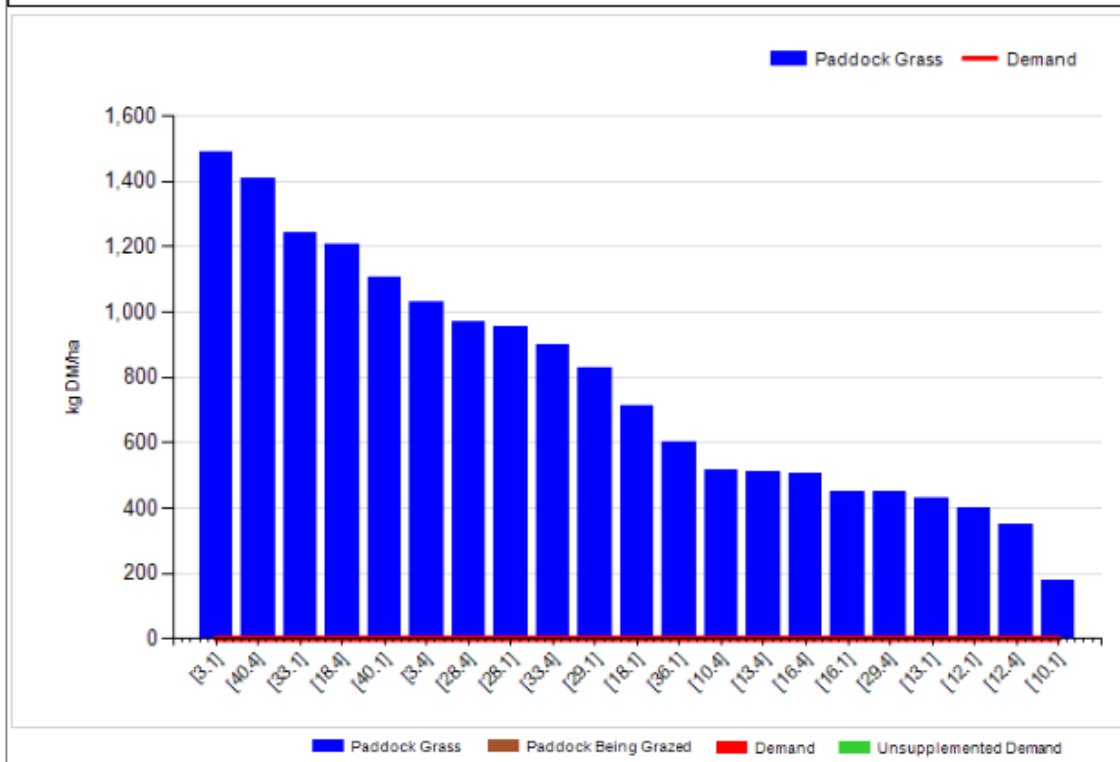
Johnstown Castle Winter Milk Herd- Weekly Management Notes

16/11/15 – Closing Cover

Rotation Length (days):	40	Silage Fed (kg DM/cow):	13.0
Grass Allocation/Cow (kg DM/cow):	0.0	Residual Height (cm):	4.0
No. of Cows:	46		
Concentrate Fed (kg/cow):	8.0		

Cover Parameters

Grass Allocation/LU (kg DM/LU):		Growth Rate:	10
Total Livestock (LU):	52.0	Farm Demand (kg DM/ha/day):	
Farm Cover (kg DM/ha):	789	Target Pre-grazing yield (kg DM/ha):	0
Farm Cover (kg DM/LU):	258	Days Ahead:	
Stocking Rate (LU/ha):	3.06	LW/ha (Liveweight/ha):	205



Management Comments

- Rainfall of 42.4mm & soil temp of 10.6°C for last week. The conditions over the past week made it an easy decision to keep cows housed fulltime on their winter diet. We have a significantly higher closing cover than target - 800kgs as opposed to a target of 680 -700kgs/ha. However much of this is due to the exceptional growth during October on paddocks which were well grazed out. We have a couple of paddocks with a cover of ~1400, which is on the high side.
- 85% of the autumn calving herd are now calved, the remaining 15% will be slow and we expect a few will drag on until December 10th.
- Our autumn bulling heifers were housed last week, we still have both our spring born replacement calves & spring I.C.H. at grass. Spring born calves being supplemented with 1kg beef ration.
- Our autumn calving cows have been allocated to their treatment groups for our feeding trial which will run over the indoor period, this is a follow up on our feed to yield trial

Winter diet for milkers

	Kgs/DM per cow	Kgs per cow As fed
In Parlour feed	6	7
Maize Silage	4.5	15.5
Grass Silage	8.5	33
Coarse blend	2.2	2.5
Total	21.2	

Milk production and feed details

	Autumn Calving Section	Spring Calving Section
<i>This Week (16/11/15) – cows in milk</i>		
Milk Kg	26.7	17.4
Fat %	4.07	4.41
Protein %	3.34	3.88
Milk Solids kg	1.98	1.44
Parlour concentrate (kgs)	7	4
Silage kg dry matter per cow	13	15
Grazed grass kg cow	0	0
% of Herd Milking	85	76
<i>Lactation to date</i>		
Days in Milk	60	264
Milk kg	1280	6317
Milk Solids kg	108	485
Concentrate Fed	185 parlor & 20kgTMR	531kg parlor & 114kg tmr

First Cut Silage -Pit

Item	Units	Desirable Values	Result	Status
Dry Matter	%	20 - 30	28.5	-
pH	-	4 - 4.7	4.2	Good
Ammonia N	% of Total N	< 10.1	8.3	Good
ASH	%	< 8.6	9.1	Moderate
NDF	%	< 45.0	45.80	Moderate
DMD	%	> 68.9	73.7	Good
ME	MJ/kg	> 9.8	10.6	Good
Crude Protein	%	13.5 - 17	14.0	Good

Item	Units	Normal Range	Result	Status
PDIN	g/kg	65 - 102	83	A
PDIE	g/kg	58 - 83	77	
PDIA	g/kg	16 - 37	25	
UFL	per kg	.65 - .90	0.83	
UFV	per kg	.59 - .89	0.79	
SFU	per kg	1.04 - 2.81	1.61	
LFU	per kg	.95 - 1.89	1.29	
CFU	per kg	.96 - 1.92	1.30	






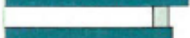



Surplus Baled silage

Item	Units	Desirable Values	Result	Status
Dry Matter	%	20 - 30	42.0	-
pH	-	4 - 4.7	4.9	Moderate
Ammonia N	% of Total N	< 10.1	13.2	Moderate
ASH	%	< 8.6	9.8	Moderate
NDF	%	< 45.0	44.20	Good
DMD	%	> 68.9	76.0	Good
ME	MJ/kg	> 9.8	11.0	Good
Crude Protein	%	13.5 - 17	15.0	Good

Item	Units	Normal Range	Result	Status
PDIN	g/kg	65 - 102	89	A
PDIE	g/kg	58 - 83	82	
PDIA	g/kg	16 - 37	27	
UFL	per kg	.65 - .90	0.86	
UFV	per kg	.59 - .89	0.83	
SFU	per kg	1.04 - 2.81	1.23	
LFU	per kg	.95 - 1.89	1.03	
CFU	per kg	.96 - 1.92	1.05	
DM Intake Cattle	g/kg W ^{0.75}	70 - 130	128	

Second cut silage - Pit

Item	Units	Desirable Values	Result	Status
Dry Matter	%	20 - 30	24.3	-
pH	-	4 - 4.7	4.1	Good
Ammonia N	% of Total N	< 10.1	5.8	Good
ASH	%	< 8.6	9.0	Moderate
NDF	%	< 45.0	49.60	Moderate
DMD	%	> 68.9	69.9	Good
ME	MJ/kg	> 9.8	10.0	Good
Crude Protein	%	13.5 - 17	13.0	Low

Item	Units	Normal Range	Result	Status
PDIN	g/kg	65 - 102	77	
PDIE	g/kg	58 - 83	74	
PDIA	g/kg	16 - 37	24	
UFL	per kg	.65 - .90	0.78	
UFV	per kg	.59 - .89	0.74	
SFU	per kg	1.04 - 2.81	1.76	
LFU	per kg	.95 - 1.89	1.38	
CFU	per kg	.96 - 1.92	1.40	
DM Intake Cattle	g/kg W ^{0.75}	70 - 130	96	

Coarse Blend	% as fed
Barley (rolled)	25.00
Beet pulp	25.00
Maize distillers	15.00
Soyabean meal 48% CP	35.00

Parlour Con

- 18 HE
- UFL 0.95+
- PDIE 125+
- 30% Cereal
- + Mins

Replacement Weights

Group	Autumn Born 2013 D.O.B: 8/10/13 Avg EBI: 206	Spring Born 2014 D.O.B: 25/02/14 Avg EBI: 205	Autumn Born 2014 D.O.B: 3/10/14 Avg EBI: 221	Spring Born 2015 D.O.B: 17/02/15 Avg EBI: 230
Birth	38	39	39	36
28-May-14	216			
22-Jul-14	284	155		
22-Sep-14	335	226		
11-Dec-14	377 (breeding)			
6-Feb-15		297		
21-Apr-15	468	391 (breeding)	186	
28-Jul-15	562	471	288	158
31-Aug-15	597	518	317	191
30-Sep-15		549	351	220
3-Nov-15		577	376	245