

## Weekly update Clonakilty Dairy – 14 November 2016

### Tetraploid swards (2.75 cows/ha)

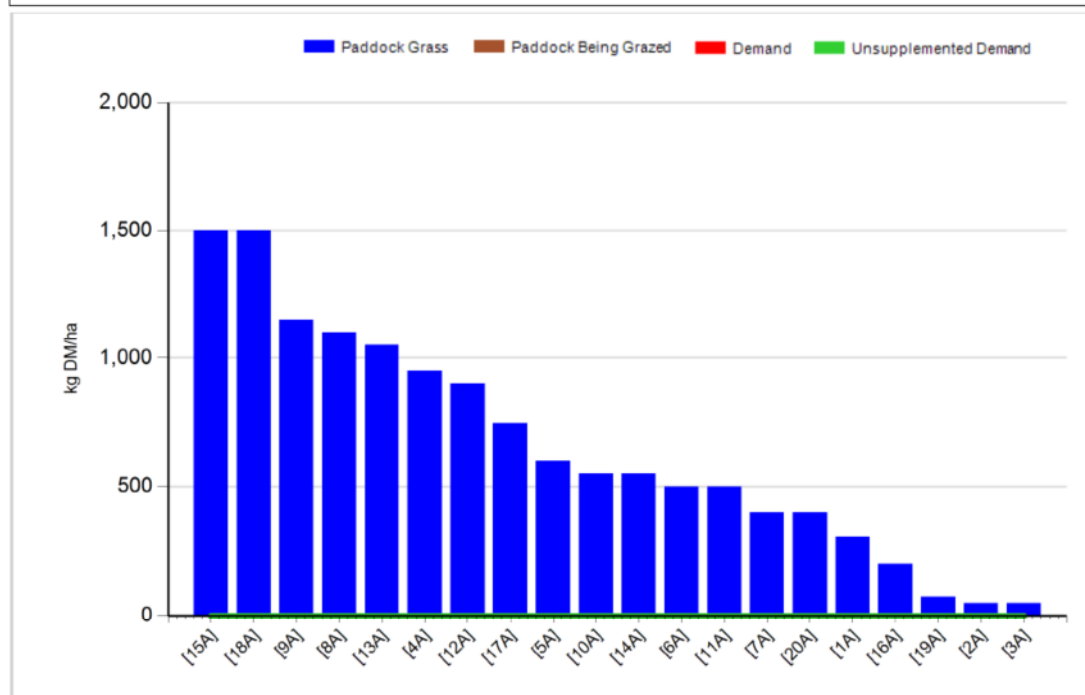
Group:	Cover Date: 14/11/2016
Farm: Clonakilty Farm	Treatment: T

#### Management Decisions

Rotation Length (days):	40	Silage Fed (kg DM/cow):	0.0
Grass Allocation/Cow (kg DM/cow):	14.0	Residual Height (cm):	4.0
No. of Cows:	0		
Concentrate Fed (kg/cow):	3.0		

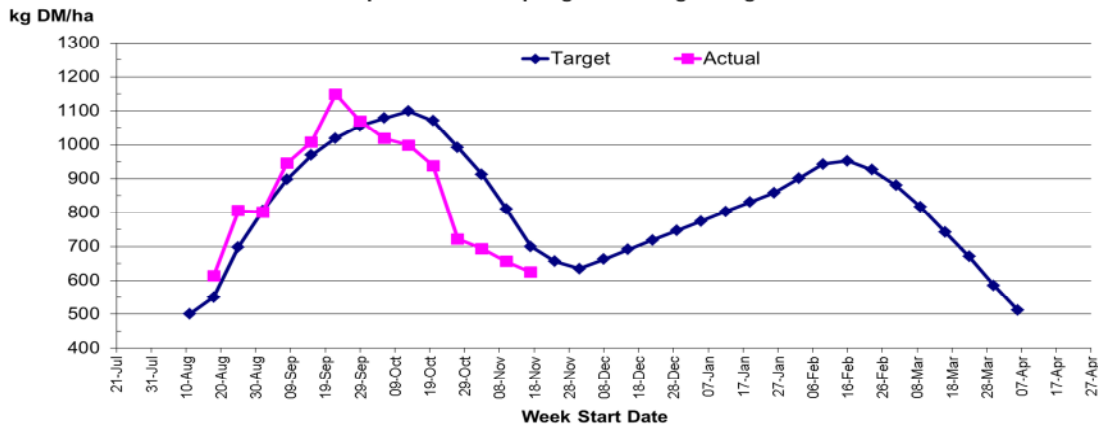
#### Cover Parameters

Grass Allocation/LU (kg DM/LU):	14.0	Growth Rate:	18
Total Livestock (LU):	0.0	Farm Demand (kg DM/ha/day):	
Farm Cover (kg DM/ha):	624	Target Pre-grazing yield (kg DM/ha):	0
Farm Cover (kg DM/LU):		Days Ahead:	
Stocking Rate (LU/ha):	0.00	LW/ha (Liveweight/ha):	



1. Closing average farm cover (AFC) is 624 kg DM/ha.
2. Growth rate last week was 18 kg DM/ha per day.
3. We finished grazing on this farmlet on Sunday the 13<sup>th</sup> of November. This is a week earlier than we would normally be finished grazing but AFC was 624 kg DM/ha which is as low as we want to go with it as our closing farm cover (see budget below).
4. There are 20 cows milking in this group indoors on high quality baled silage and 3 kg of concentrate. All cows will be dry by the first week of December
5. Current milk yield for this group is 11.7 kg/day at 4.99% fat and 4.67% protein giving 1.12 kg milk solids/cow per day.

**Tetraploid Autumn/Spring Feed Budget Targets**



**Tetraploid + clover swards (2.75 cows/ha)**

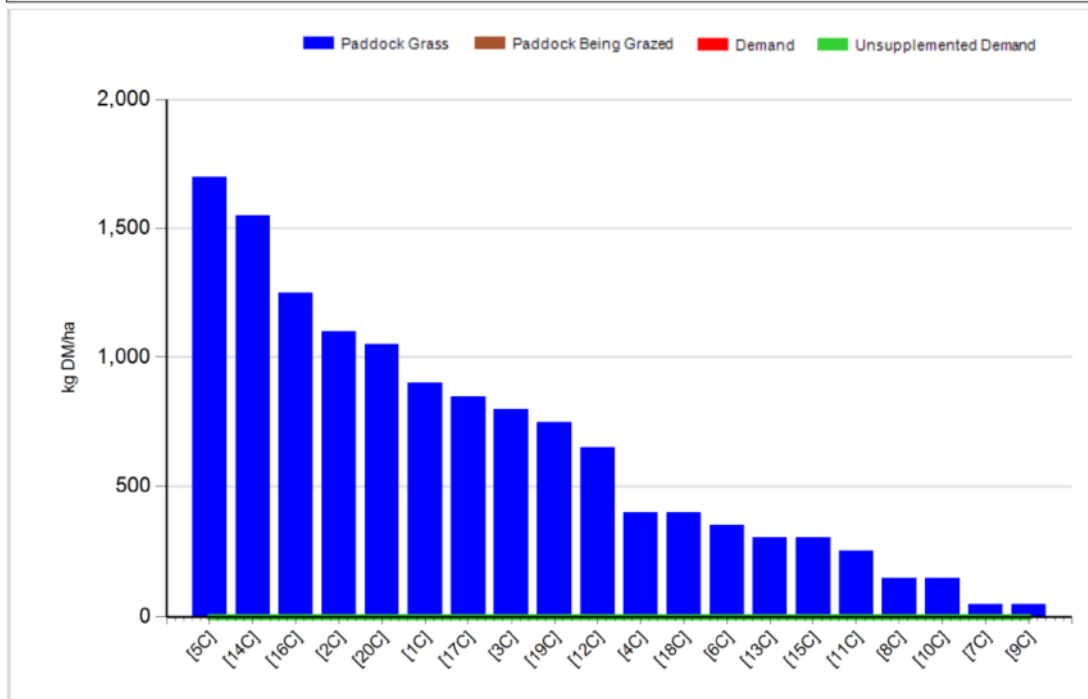
Group:	Cover Date: 14/11/2016
Farm: Clonakilty Farm	Treatment: TC

**Management Decisions**

Rotation Length (days):	40	Silage Fed (kg DM/cow):	0.0
Grass Allocation/Cow (kg DM/cow):	14.0	Residual Height (cm):	4.0
No. of Cows:	0		
Concentrate Fed (kg/cow):	3.0		

**Cover Parameters**

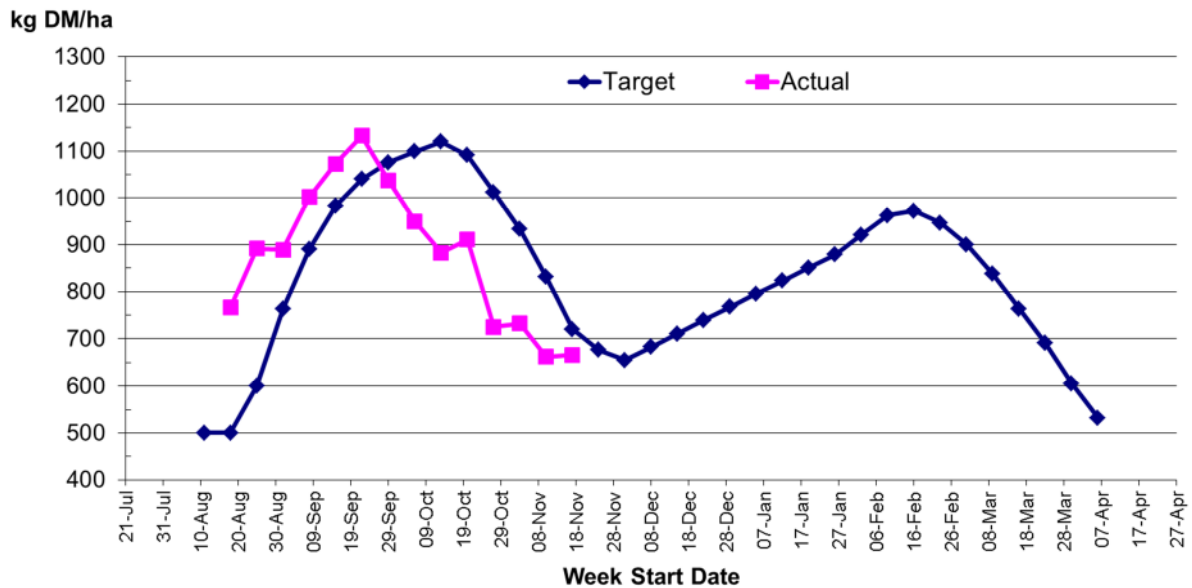
Grass Allocation/LU (kg DM/LU):	14.0	Growth Rate:	21
Total Livestock (LU):	0.0	Farm Demand (kg DM/ha/day):	
Farm Cover (kg DM/ha):	666	Target Pre-grazing yield (kg DM/ha):	0
Farm Cover (kg DM/LU):		Days Ahead:	
Stocking Rate (LU/ha):	0.00	LW/ha (Liveweight/ha):	



1. Closing average farm cover (AFC) is 666 kg DM/ha.
2. Growth rate last week was 21 kg DM/ha per day.

3. We finished grazing on this farmlet on Sunday the 13<sup>th</sup> of November. This is a week earlier than we would normally be finished grazing but AFC was 666 kg DM/ha which is as low as we want to go with it as our closing farm cover (see budget below).
4. There are 20 cows milking in this group indoors on high quality baled silage and 3 kg of concentrate. All cows will be dry by the first week of December.
5. Current milk yield for this group is 11.7 kg/day at 4.99% fat and 4.67% protein giving 1.12 kg milk solids/cow per day.

**Tetraploid + clover Autumn/Spring Feed Budget Targets**



### Whole farm update

1. There are 80 cows being milked, the rest of the cows have been dried off and received their dose for fluke and worms this week as well as the booster IBR vaccination. All cows are indoors on a diet of high quality baled silage and 3 kg of concentrate. All cows will be dry by the first week of December. Latest results from the processor 5.17% fat, 4.36% protein, 4.46% lactose and 117 SCC, TBC 18. Average bodyweight of milking cows is 568 kg and average body condition score is 2.95.
2. Average farm cover on the general area is 690 kg DM/ha. We finished grazing on the general area on the 7<sup>th</sup> of November and all animals are now housed.
3. Breeding started on Monday the 25<sup>th</sup> of April. We had 96% of the cows submitted in 21 days and we had 88% of the heifers submitted in 12 days. We finished breeding on Friday the 15<sup>th</sup> of July. Six week in-calf rate of was 87% and overall in-calf rate was 95%.

## EXPERIMENTAL PROGRESS REPORT AS AT SUNDAY, 13/11/2016

*Objective: To compare the biological efficiency of tetraploid and diploid swards with and without clover and cow genotype on the productivity of spring milk production systems*

Herd Details	EBI (€)	MILK SI (€)	FERT SI (€)	CALVING SI (€)	BEEF SI (€)	MAINTENANCE SI (€)	MGMT SI (€)	HEALTH SI (€)
<b>Average</b>	<b>113</b>	<b>33</b>	<b>39</b>	<b>34</b>	<b>-17</b>	<b>22</b>	<b>3</b>	<b>0</b>

*(October 2016 ICBF)*

	Treatment				Genotype		
	Tetra	Dip	Tetra + C	Dip + C	HF	JEX	3-way
Stocking rate (cows/ha)	2.75	2.75	2.75	2.75	2.75	2.75	2.75
Mean calving date	03-Feb	02-Feb	02-Feb	03-Feb	05-Feb	02-Feb	01-Feb
Ear-tag Colour					Blue	White	Orange
Band Colour	Yellow	Blue	Red	White			
<b>Week Details:</b>							
Diet (kg DM/cow/day)							
Grass	14	14	14	14	14	14	14
Silage	0	0	0	0	0	0	0
Concentrate	3	3	3	3	3	3	3
Milk solids (kg/cow/day)	1.12	1.04	1.36	1.43	1.25	1.33	1.13
Milk yield (kg/cow/day)	11.7	10.99	14.6	15.0	13.9	13.7	11.7
% Fat	4.99	4.94	4.87	5.03	4.74	5.11	5.04
% Protein	4.67	4.62	4.57	4.58	4.47	4.70	4.67
Bodyweight (kg)	609	585	586	592	618	562	597
Condition Score	3.00	2.91	2.95	2.98	2.91	2.96	3.00
<b>Cumulative:</b>							
Milk solids (kg/cow)	450	454	505	502	472	491	470
(kg/ha)	1,238	1,249	1,389	1,381			
Milk yield (kg/cow)	5,412	5,420	6,063	5,987	5,874	5,718	5,576
% Fat	4.58	4.66	4.63	4.68	4.45	4.81	4.65
% Protein	3.76	3.74	3.73	3.71	3.62	3.80	3.78
Days in milk	280	281	280	279	281	278	282
6 week in calf rate (%)	90	90	83	80	93	88	77
Incalf rate (%;12 wk breeding)	90	93	87	93	95	93	85
Total supplement fed (kg/cow)							
Concentrate	410	408	398	406			
Silage	441	417	637	674			
Conserved silage (kg DM /cow)	1093	1081	1171	1054			
Farmlet area (hectares)	10.9	10.9	10.9	10.9			
Number of cows calved	30	30	30	30			
Number of cows in group	20	20	20	20			
Non-lactating cows	10	10	10	10			

**NB: These are raw data that have not been statistically analysed and, therefore, no definite conclusions can be drawn from them.**