

A. Critical Issues

1. All cows housed full time
2. Cull cows gone this week.
3. Dry off another 10 low yielding cows this week.

B. 2013 Calving date trial

- The herd is split into two separate calving dates
- Early calving group – mean calving date is the 25th of Feb.
- Late calving group – mean calving date is the 10th of March.
- Stocking rate is 2.9 cows per ha for both groups and fertiliser input will be constant (250Kg N / ha).
- Within each group there are equal numbers of Friesian and crossbred cows

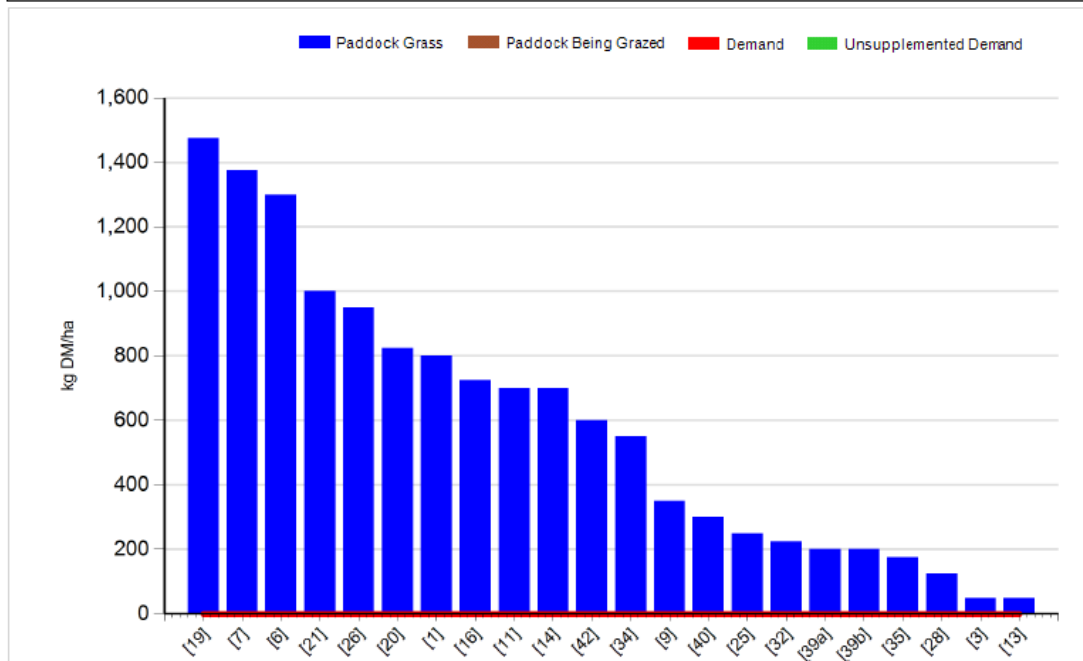
C. Whole farm situation

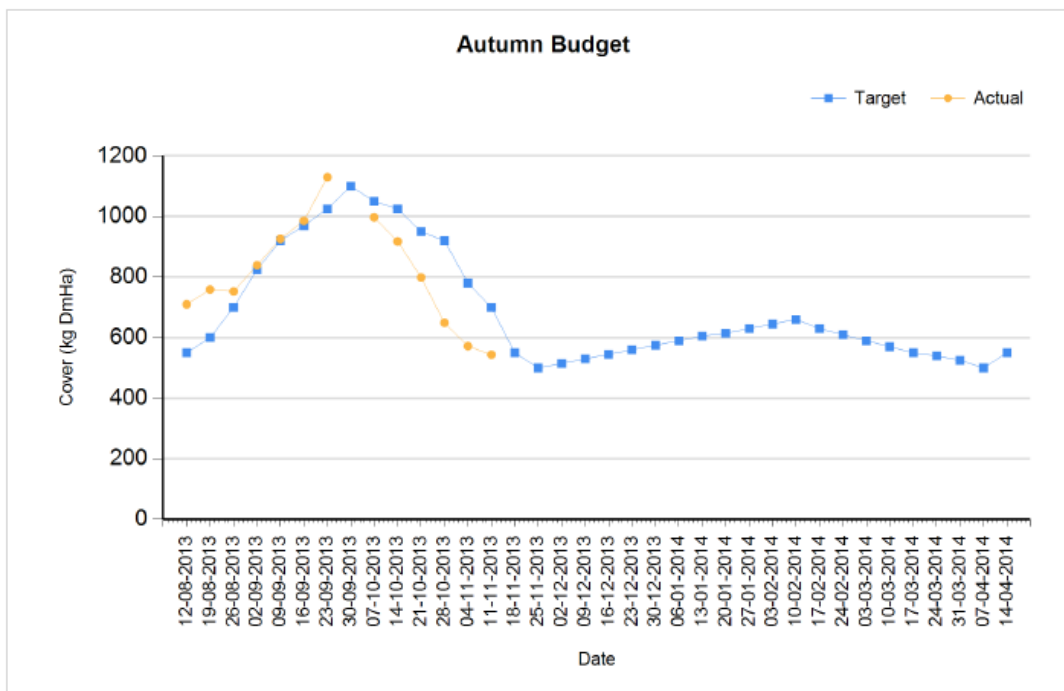
1. Soil temperature today is 4.7 °C.
2. Total rainfall over the past seven days was 28mm.
3. Average growth was 10kgDM/ha/day, (13% DM).
4. Rotation length 45 days.
5. Feed wedge 11/11/2013

Rotation Length (days):	42	Silage Fed (kg DM/cow):	12.0
Grass Allocation/Cow (kg DM/cow):	0.0	Residual Height (cm):	3.5
No. of Cows:	60		
Concentrate Fed (kg/cow):	4.0		

Cover Parameters

Grass Allocation/LU (kg DM/LU):		Growth Rate (kg/ha/day):	10
Total Livestock (LU):	60.0	Farm Demand (kg DM/ha/day):	
Farm Cover (kg DM/ha):	544	Target Pre-grazing yield (kg DM/ha):	0
Farm Cover (kg DM/LU):	180		
Stocking Rate (LU/ha):	3.02		





6. Farm cover is 544 kg DM / ha (180 kg DM / cow) and highest cover is 1450 kg DM / ha.
7. We are just below our target closing average farm cover of 550kg DM / ha. Therefore to ensure adequate supply of grass next spring cows have been housed full time. This is a week earlier than we had planned but the decision was made in mid October to continue grazing without introducing silage to diet to maintain a good graze out. Feed inputs over the autumn have been low with no silage fed and 130kg of concentrate per cow.
8. Paddock 19 has a cover of 1450kg DM / ha but it was cut for silage in last rotation so is very clean. Grazing this paddock would drop closing cover too low and would affect grass supply next spring.
9. Currently feeding bale silage and 4 kg of concentrate.
10. Total N spread to date is 250 kg N / ha
11. Total growth to date is 12.9 tons DM / ha.
12. All heifers will get 12 weeks dry, cows will get 8 weeks dry and thin cows will get 12weeks dry.
13. All young stock were housed last week. Both in-calf heifers and calves were weighed this week. Both batches are above target and reached target daily weight gain over the autumn period. Weanlings will be fed 1.5kg of an 18% protein concentrate per day to maintain growth rates.

	Fr	JFX	ADG
Calves	234kg	216kg	0.75kg / day
Target	220kg	212kg	
In-calf Heifers	463kg	442kg	0.9kg / day
Target	440kg	420kg	

14. Cows and heifers were scanned on the 30th of August. The empty rate in the cows after 12 weeks of breeding was 9%. Pregnancy rate to first service was

51% and 6 week pregnancy rate was 76%. Heifer empty rate was 10% over 7 week breeding period with 72% conception to 1st service AI and the remainder in-calf to jersey stock bulls. There are 145 animals scanned in-calf for next year so will have 20 surplus animals to sell.

C. Bulk tank details :

Milk yield (10/11/2013) 11.4kg, Fat 5.27%, Protein 4.10% (1.07kg MS) SCC 239,000, TBC 4,000

Date : 03/11/2013 Mean calving date	Early 25 th Feb		Late 10 th March	
	FR	JFX	FR	JFX
Stocking rate (cows/ha)	2.9	2.9	2.9	2.9
Milk yield (kg/cow/day)	11.0	9.9	12.7	11.2
% Fat	5.10	5.54	4.93	5.23
% Protein	4.06	4.55	4.11	4.26
% Lactose	4.42	4.40	4.50	4.53
Milk solids (kg/cow/day)	1.01	1.00	1.15	1.06
Supplement (kg/cow/day)				
Concentrate	4	4	4	4
Silage	0	0	0	0
Cumulative				
Milk yield (kg/cow)	5.079	4,623	4,709	4,241
% Fat	4.48	4.72	4.53	4.73
% Protein	3.48	3.75	3.57	3.66
% Lactose	4.68	4.72	4.70	4.72
Milk solids (kg/cow)	404	392	381	356
Weight	518	476	524	451
Body Condition Score	2.87	2.92	2.84	2.83
Supplement (kg/cow)				
Concentrate		789		672
Silage to milking cows (kg DM/cow)		330		180
Conserved silage (kg DM/cow)		576 (48%)		605 (50%)

* These are raw data and have not been statistically analysed.

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