

**A. Critical Issues**

1. Increase pre-grazing yield.
2. Allocate grass to maintain residual of 4 – 4.5cm.
3. Maintain 25 day rotation length.

**B. 2013 Calving date trial**

- The herd is split into two separate calving dates
- Early calving group – mean calving date is the 25<sup>th</sup> of Feb.
- Late calving group – mean calving date is the 10<sup>th</sup> 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

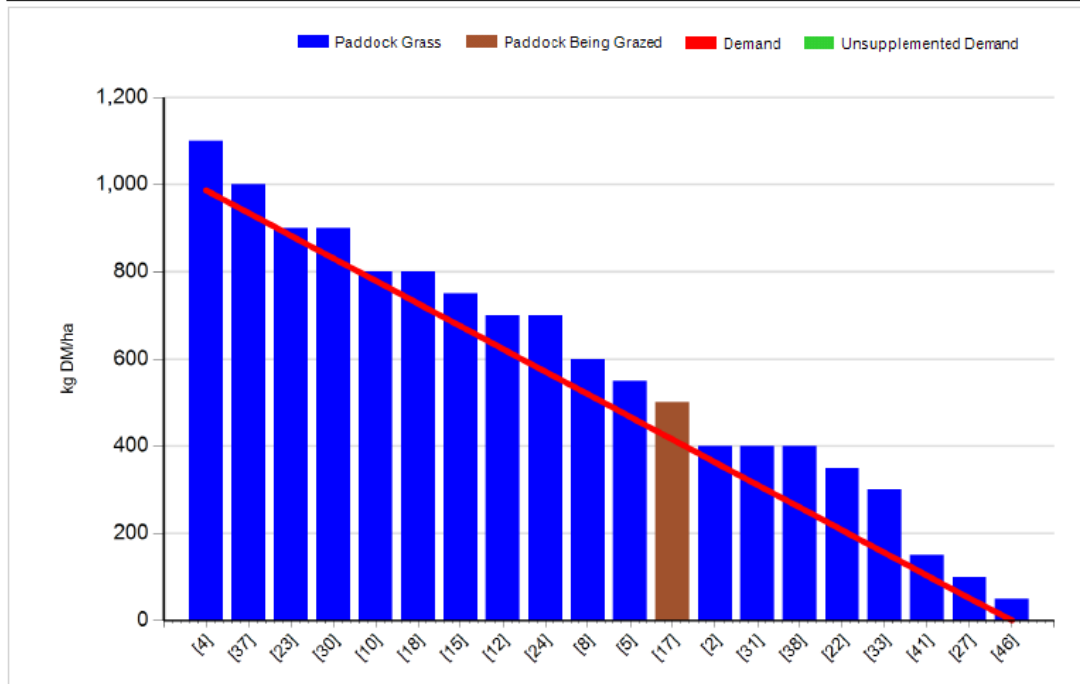
**C. Whole farm situation**

1. Soil temperature today is 18°C.
2. Total rainfall over the past seven days was 2mm.
3. Average growth was 51kgDM/ha/day, (20% DM).
4. Feed wedge 22/07/2013

Rotation Length (days):	25	Silage Fed (kg DM/cow):	0.0
Grass Allocation/Cow (kg DM/cow):	12.0	Residual Height (cm):	3.5
No. of Cows:	60		
Concentrate Fed (kg/cow):	4.0		

**Cover Parameters**

Grass Allocation/LU (kg DM/LU):	12.0	Growth Rate (kg/ha/day):	51
Total Livestock (LU):	60.0	Farm Demand (kg DM/ha/day):	40
Farm Cover (kg DM/ha):	535	Target Pre-grazing yield (kg DM/ha):	987
Farm Cover (kg DM/LU):	163		
Stocking Rate (LU/ha):	3.29		



5. Farm cover is 535 kg DM / ha (163 kg DM / cow) and pre-grazing cover is 1100 kg DM / ha. The pre-grazing cover is too low and needs to increase to 1400kg DM / ha to maximise growth potential.
6. Growth is similar to last week and should improve significantly this week with rain forecast. Soil moisture deficit has been restricting growth over the past two weeks but most paddocks are still green and growing. They should recover quickly with the arrival of rain.
7. Grass quality is excellent on 80% of the farm so the next month will be important to sort out quality issues on the other 20%. Removal of surplus grass over the next month will be targeted at the poor quality paddocks to set them up for autumn build up.
8. Spreading 27 units of CAN per acre on grazed paddocks once weekly.
9. Total growth to date is 6.4 tons DM / ha.
10. Stock bulls were introduced after 8 weeks of AI to mop up. There are two bulls with 60 cows – one young bull (JFX) and one mature bull (Hereford). Bulls will be removed on the 1<sup>st</sup> of August.
11. The average weight of the Friesian calves was 143kg and Jersey crossbreds were 129kg which is on target for bulling May 2014.

**C. Critical short term actions :**

- Feeding 4kg of concentrate.
- Remove silage from diet.
- Spread 27 units of Sul-CAN after grazing.

**D. Bulk tank details :**

Milk yield 20.6kg, Fat 4.18%, Protein 3.51% (1.58kg MS) SCC 158,000, TBC 3,000.

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Date : 21/07/2013 Mean calving date	Early 25 <sup>th</sup> Feb		Late 10 <sup>th</sup> March	
	FR	JFX	FR	JFX
<b>Stocking rate (cows/ha)</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>
Milk yield (kg/cow/day)	21.5	19.5	21.4	18.8
% Fat	4.49	4.80	4.79	5.06
% Protein	3.46	3.69	3.51	3.60
% Lactose	4.70	4.77	4.78	4.78
Milk solids (kg/cow/day)	1.71	1.65	1.78	1.63
Supplement (kg/cow/day)				
Concentrate	4	4	4	4
Silage	3	3	3	3
<b>Cumulative</b>				
Milk yield (kg/cow)	3278	3067	2830	2623
% Fat	4.54	4.69	4.64	4.84
% Protein	3.38	3.61	3.49	3.53
% Lactose	4.77	4.81	4.79	4.81
Milk solids (kg/cow)	260	255	230	220
Weight	505	456	523	455
Body Condition Score	2.79	2.88	2.75	2.81
% Calved	100	100	100	100
Supplement (kg/cow)				
Concentrate		525		390
Silage to milking cows (kg DM/cow)		330		180
Conserved silage (kg DM/cow)		350 (25%)		350 (25%)

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