

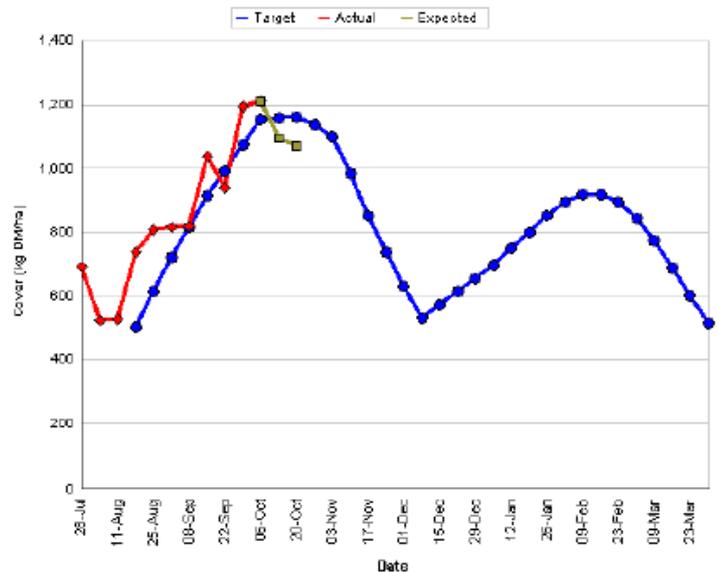
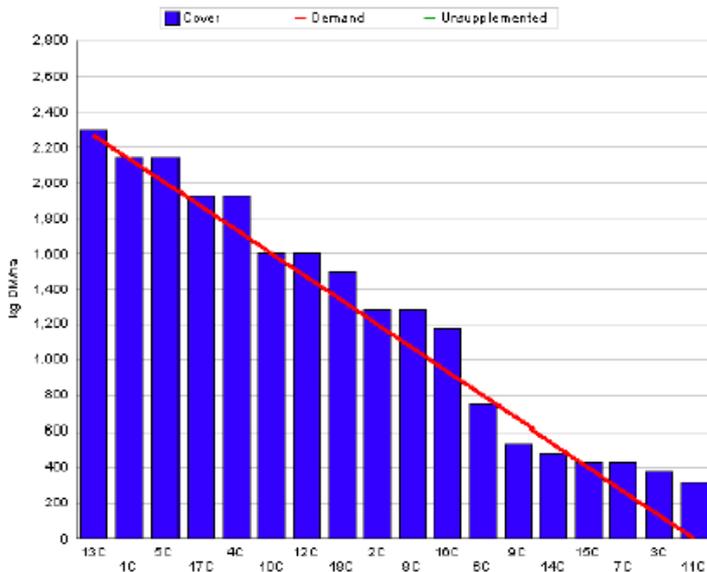
Curtins Farm Walk Notes Tuesday 02-10-12

Low Stocking Rate Group (2.5 Cows/ha)

Situation

Figure 1. Low Stocking Rate Feed Wedge and Average Farm Cover Track

Moorepark Animal & Grassland Research and Innovation Centre		GrazePlan - Grass Measurement Report																															
Group : TEAGASC RESEARCH FARMS		Date Produced : 02-OCT-12																															
Farm : Curtins Farm		Effect of stocking rate and calving date on animal performance																															
Date : 01-OCT-12		Treatment : Low SR																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Rotation Length :</td><td style="text-align: right;">50</td></tr> <tr><td>Grass Allocation /Cow (kg DM/Cow) :</td><td style="text-align: right;">18</td></tr> <tr><td>Concentrate Fed (kg/cow) :</td><td style="text-align: right;">0</td></tr> <tr><td>Silage Fed (kg DM/cow) :</td><td style="text-align: right;">0</td></tr> <tr><td>N Application Rate (units/acre) :</td><td style="text-align: right;">0</td></tr> <tr><td>N Application Rate (kg/ha) :</td><td style="text-align: right;">0</td></tr> <tr><td>Residual Height :</td><td style="text-align: right;">4</td></tr> <tr><td>Total Livestock (LU) :</td><td style="text-align: right;">23</td></tr> </table>	Rotation Length :	50	Grass Allocation /Cow (kg DM/Cow) :	18	Concentrate Fed (kg/cow) :	0	Silage Fed (kg DM/cow) :	0	N Application Rate (units/acre) :	0	N Application Rate (kg/ha) :	0	Residual Height :	4	Total Livestock (LU) :	23	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Farm Cover (kg DM/ha) :</td><td style="text-align: right;">1210</td></tr> <tr><td>Farm Cover (kg DM/LU) :</td><td style="text-align: right;">481</td></tr> <tr><td>Current Monthly Fertilizer Rate (kg/ha) :</td><td style="text-align: right;">0</td></tr> <tr><td>Stock Rate (LU/ha) :</td><td style="text-align: right;">2.52</td></tr> <tr><td>Growth Rate :</td><td style="text-align: right;">45</td></tr> <tr><td>Farm Demand (kg DM/ha/day) :</td><td style="text-align: right;">45</td></tr> <tr><td>Target pregrazing yield (kg DM/ha) :</td><td style="text-align: right;">2265</td></tr> <tr><td>Forecast Growth Week 1 and 2:</td><td style="text-align: right;">29 25</td></tr> </table>	Farm Cover (kg DM/ha) :	1210	Farm Cover (kg DM/LU) :	481	Current Monthly Fertilizer Rate (kg/ha) :	0	Stock Rate (LU/ha) :	2.52	Growth Rate :	45	Farm Demand (kg DM/ha/day) :	45	Target pregrazing yield (kg DM/ha) :	2265	Forecast Growth Week 1 and 2:	29 25
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- Average Farm Cover for this week is 1210kg/ha (481/cow). Growth rate for this group over the past 7 days was 45kg/day (79kg last week)
- As can be seen in Figure 1, the average farm cover remains slightly above target for this time (red line). The yellow line indicates the expected average farm cover over the next two weeks while the blue line is the target average farm cover for Autumn and Spring.

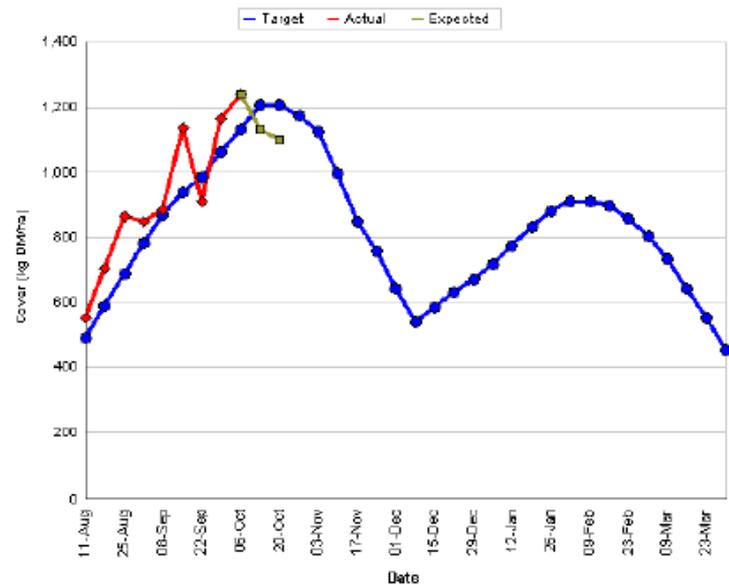
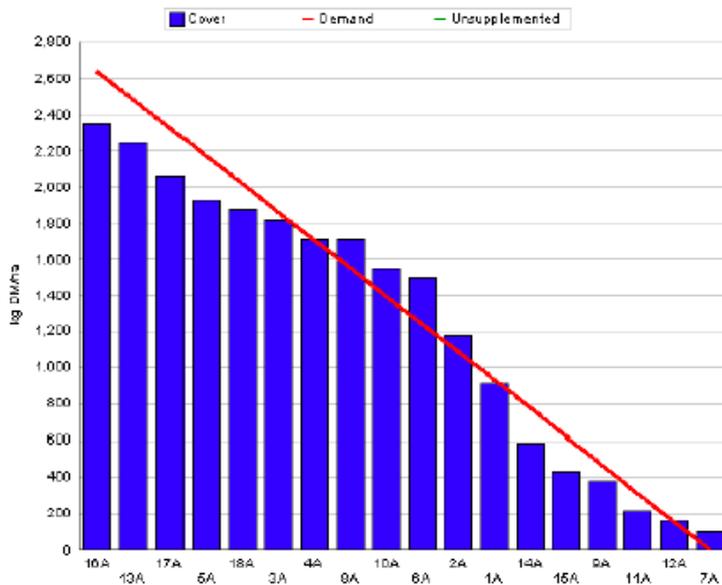
- Growth rates are equal to demand at 45kg/day so there was no change in average farm cover over the past week.
- No supplements are being fed.
- Pre-grazing yields are at 2300kg and cows are currently grazing paddock 13. Paddocks are being halved and residency time per segment is 36 to 48 hours. Grazing conditions are excellent.
- Rotation length has increased to 50 days.

High Stocking Rate Group (3.3 Cows/ha)

Situation

Figure 2. High Stocking Rate Feed Wedge and Average Farm Cover Track

Moorepark Animal & Grassland Research and Innovation Centre		GrazePlan - Grass Measurement Report	
Group : TEAGASC RESEARCH FARMS		Date Produced : 02-OCT-12	
Farm : Curtins Farm		Effect of stocking rate and calving date on animal performance	
Date : 01-OCT-12		Treatment : High SR	
Rotation Length :	50	Farm Cover (kg DM/ha) :	1241
Grass Allocation /Cow (kg DM/Cow) :	18	Farm Cover (kg DM/LU) :	377
Concentrate Fed (kg/cow) :	0	Current Monthly Fertilizer Rate (kg/ha) :	
Silage Fed (kg DM/cow) :	0	Stock Rate (LU/ha) :	3.30
N Application Rate (units/acre) :		Growth Rate :	55
N Application Rate (kg/ha) :		Farm Demand (kg DM/ha/day) :	53
Residual Height :	3	Target pregrazing yield (kg DM/ha) :	2836
Total Livestock (LU) :	23	Forecast Growth Week 1 and 2:	37 33



- Average farm cover this week is 1241kg/ha (377/cow). Growth rate over the past 7 days was 55kg per day (69kg last week).
- As can be seen in Figure 2, the average farm cover continues to rise and is now above target for this time (red line). The yellow line indicates the expected average farm cover over the next two weeks while the blue line is the target average farm cover for Autumn and Spring.
- No supplements are being fed.
- Pre-grazing yield is at 2350kg and paddocks are being halved. Residency time per section is 36 hours.

- Cows are currently grazing paddock 13 and rotation length is 50 days.

Whole Farm Situation

1. 33 units/acre of sulCAN was blanket spread across the farm in mid September. This was the last application for the year and brought total nitrogen applied to 250kgN/ha.
2. Latest milk composition details from the processor are: Fat 5.46%, Protein 4.23%, Lactose 4.45% and SCC 298k. Four cows were treated for mastitis on Monday.
3. Liquid mineral supplementation has ceased and cows are on an all grass diet. Paddocks are being dusted for magnesium.
4. The breeding season ended on the 26th of July and we are awaiting the results of the final scan at end of September.
5. Ground conditions are excellent. If conditions deteriorate 12 hour allocations and on/off grazing will be implemented.

