## A. Critical Issues

- 1. Maintain residual at 3.5cm.
- 2. Monitor grass quality and remove surpluses.
- 3. Monitor stock bulls.

## B. On farm situation

- 1. Average growth was 88kg DM/ha/day, (16% DM).
- 2. Demand is 52kgDM/ha/day (3.38 SR \* 15.5 kg DM /cow / day).
- 3. Average soil temperature for the pat week was 16°C.
- 4. Total rainfall for the past week was 6 mm.
- 5. Farm feed wedge (25/7/11).

Moorepark Animal & Grassland Research and Innovation Centre			GrazePlan - Grass Measurement Report		
Group: TEAGASC RESEARCH FARMS Farm: Ballyhaise Farm Date: 25-JUL-11		V region systems 3.1 stocking rate	comparison	Date Produced	28-JUL-11
Rotation Length :	21	Farm Cover (k	g DM/ha) :		456
Grass Allocation /cow (kg grass dry matter/LU)	15.5	Farm Cover (k	g DM/LU):		135
Concentrate Fed (kg/cow) :	.5				
Silage Fed (kg DM/cow) :	0				
N Application Rate (units/acre) :		Stock Rate (L	J/ha):		3.38
N Application Rate (kg/ha) :		Growth Rate :			88
Residual Height :	3.5	Farm Demand	(kg DM/ha/day) :		52
Total Livestock (LU) :	62	Target pregra	zing yield (kg DM/ha) :		1100



- 6. Growth rate this week was 88kg DM / ha which is higher than last week at 77kg DM / ha. This is well ahead of demand since all paddocks apart from two reseeded paddocks are now back in the grazing rotation. Farm cover is below target but since pre-grazing yield is optimal in the next four paddocks and since growth rate should be ahead of demand this week this should not be a problem. Another cover will be done on Friday to see if further action is needed to maintain ideal pre-grazing yields of 1400 kg DM / ha.
- 7. There were four paddocks baled for silage this week with an average cover of 2200 kg DM / ha. Any surplus grass that arises over the next few weeks will be baled off at lower cover. This will allow greater flexibility and will maintain a low demand for building covers for autumn. This process will begin on the 15<sup>th</sup> of August.
- 8. Paddocks 36 and 9 were reseeded with Tyrella last week. The seedbed was prepared with two runs of a power harrow, the second run at right angles to the first and the seed was then broadcast and rolled. Three bags of 10-10-20 per acre and two tons of lime were applied.
- 9. Average post grazing residual for the week was 3.8cm.
- 10. Paddock residency time ranges from 24 to 48 hours.
- 11. Feeding 0.25 kg of concentrate.
- 12. Following cows with 18 units of N (Can) after grazing.
- 13. There have been 16 clinical cases of mastitis since calving started, 6 of these were first calving heifers. No new cases of mastitis this week. There are 4 cows with high SCC from milk recording. These cows have been CMT tested and high quarters have been tubed.
- 14. Started breeding season on the 10<sup>th</sup> of May with the milking cows. Submission rate for the first 24 days of breeding was 93%. Bulls used were-FR MWW, WNE, WDS, MJD. JE SYI, HWY, WFM, RVW, PKU, TIO.
- 15. This is week 12 of the breeding season, stock bulls were introduced 4 weeks ago. There are 3 bulls being used to cover the 120 cows. Two bulls are with the herd while one is rested, they are switched every 4 days. Bulls will be removed on the 7<sup>th</sup> of August, 13 week breeding period.
- 16. Average milk yield is 18.78kg at 4.32% fat and 3.67% protein (1.50kg MS/cow), lactose 4.77%, SCC 163k, TBC 3k.

## C. Critical short term actions :

- Allocating grass in 36hr blocks.
- Feeding 0.25kg of concentrate.
- Monitor stock bull performance.

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Week:24/07/11	HG system	HS system	
Stocking rate (cows/ha)	3.1	4.6	
Milk yield (kg/cow/day)	18.78	17.32	
% Fat	4.32	4.69	
% Protein	3.67	3.63	
% Lactose	4.77	4.80	
Milk solids (kg/cow/day)	1.50	1.43	
Supplement (kg/cow/day)			
Concentrate	0.25	0.25	
Silage	0	0	
Cumulative			
Milk yield (kg/cow)	2966	2916	
% Fat	4.46	4.48	
% Protein	3.54	3.50	
% Lactose	4.88	4.86	
Milk solids (kg/cow)	237	232	
Bodyweight (kg)	491	491	
Body Condition Score	2.94	2.92	
Supplement (kg/cow)			
Concentrate	228	294	
Silage to milking cows (kg DM/cow)	77	140	
Maize (kg DM/cow)	0	0	
Conserved silage (kg DM/cow)	725	189	
Total silage fed ( kg DM/cow)	1100	1400	