

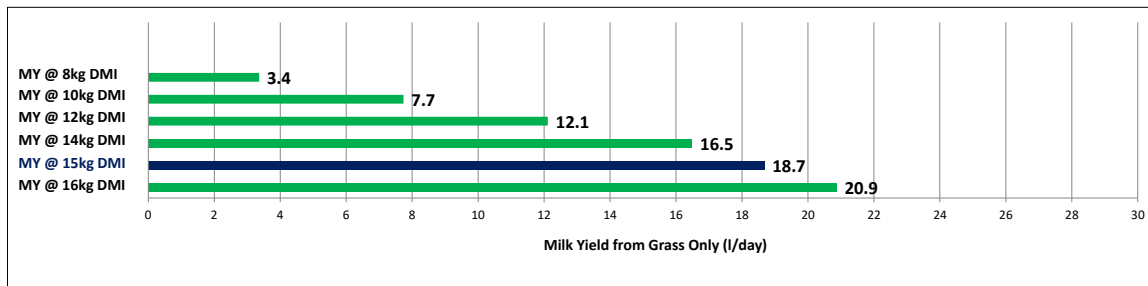
29-Jul-19
 Week 31

GrassWatch Report 2019:

Grass Quality

| | Minimum | Overall Average | Maximum |
|-------------------|---------|-----------------|---------|
| Dry Matter (%) | 13.4 | 16.8 | 17.9 |
| Est ME (MJ/kg DM) | 11.3 | 11.6 | 12.0 |
| Crude Protein (%) | 17.9 | 23.0 | 28.4 |
| NDF (%) | 42 | 46 | 50 |
| Oil A (%) | 4.4 | 4.7 | 5.2 |
| Sugars (%) | 4.0 | 7.6 | 9.1 |

Predicted Milk Yield From Grass Only: Based on Average Grass Energy



| | | |
|-------------------------------|-----|--------|
| Energy from Grass @ 12kg DMI | 139 | MJ/day |
| Energy from Grass @ 15kg DMI | 174 | MJ/day |
| Energy required for 26 litres | 213 | MJ/day |
| Energy required for 30 litres | 234 | MJ/day |

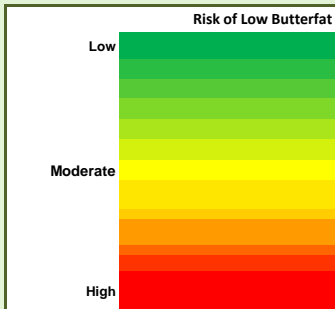
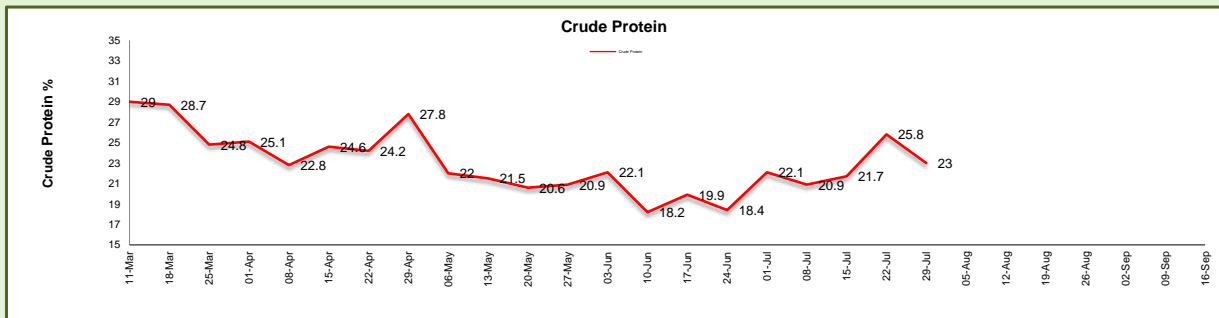
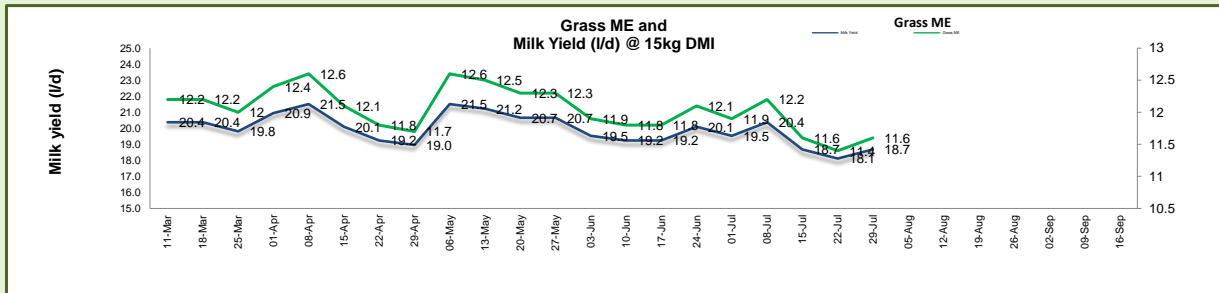
Compound required (kg/d)

| | 8kg DMI | 10kg DMI | 12kg DMI | 14kg DMI | 15kg DMI | 16kg DMI |
|-----------|---------|----------|----------|----------|----------|----------|
| 20 litres | 8.2 | 6.0 | 3.9 | 1.7 | 0.6 | 0.0 |
| 22 litres | 9.1 | 7.0 | 4.9 | 2.7 | 1.6 | 0.6 |
| 24 litres | 10.1 | 8.0 | 5.8 | 3.7 | 2.6 | 1.5 |
| 26 litres | 11.1 | 9.0 | 6.8 | 4.7 | 3.6 | 2.5 |
| 28 litres | 12.1 | 9.9 | 7.8 | 5.6 | 4.6 | 3.5 |
| 30 litres | 13.1 | 10.9 | 8.8 | 6.6 | 5.6 | 4.5 |

Weekly Grass Growths (Pasturebase Ireland)



Weekly Grazing Information:



| | Average | Low Risk Boundary |
|--------------|---------|-------------------|
| RFC Intake | 148 | <140 |
| Acid Load | 35 | <30 |
| Fibre Index | 199 | >200 |
| RUFAL Intake | 16 | <14 |

| Rumen Protein Energy Balance of Grass (@15kgDMI) | | |
|--|---------|--------|
| | Average | Target |
| NFEPB (g/kg DM) | 70 | <20 |
| NFEPB (g/day) | 1050 | 0-200 |
| Grass Excess N | 136 | |
| Est Milk Loss (l/h/d)* | 0.82 | |

* Estimated milk loss from excess N in grass only