1. Average pasture cover continued to fall this week to 2174 kgDM/ha with growth rates of irrigated and rainfed paddock relatively stable at 64 kgDM/ha/day and 21 kgDM/ha/day.

2. Average per cow milk production continues to hold at around 1.5 kgMS/day (1.44 kgMS/day this week). At present all cows are producing over 1 kgMS/day and so none have been dried off.

3. Key focuses for the coming week are to develop a feed budget for the remainder of the season and to ensure timely application of urea to irrigated paddocks.

### Key Summary Points

- **Pasture Information**
  - Grazed milking area: 110.5 ha (This Week) vs 110.5 ha (Last Week), Variation: 0.0
  - Rotation Length: 32 days (This Week) vs 31 days (Last Week), Variation: -1
  - Grazing allocation per day: 3.4 ha (This Week) vs 3.6 ha (Last Week), Variation: -0.2
  - Average time since last grazed: 35 days (This Week) vs 37 days (Last Week), Variation: -2
  - Average Pasture Cover: 2261 kgDM/ha (This Week) vs 2174 kgDM/ha (Last Week), Variation: -87
  - Pasture Growth Rate: 37 kgDM/ha/day (This Week) vs 37 kgDM/ha/day (Last Week), Variation: 0
  - Post Grazing Biomass: 1661 kgDM/ha (This Week) vs 1590 kgDM/ha (Last Week), Variation: -71
  - Nitrogen applied YTD: 101 kgN/ha (This Week) vs 101 kgN/ha (Last Week), Variation: 0

- **Milk Production**
  - Average No. cows in milk: 329 (This Week) vs 329 (Last Week), Variation: 0
  - Litres per cow: 20.6 L/day (This Week) vs 19.6 L/day (Last Week), Variation: -1.0
  - % Fat: 4.23% (This Week) vs 4.14% (Last Week), Variation: -0.09
  - % Protein: 3.20% (This Week) vs 3.02% (Last Week), Variation: -0.18
  - MS/cow/day: 1.54 kgMS (This Week) vs 1.44 kgMS (Last Week), Variation: -0.10
  - MS/ha/day: 4.48 kgMS (This Week) vs 4.19 kgMS (Last Week), Variation: -0.29
  - Average Liveweight: 507 kg (This Week) vs 509 kg (Last Week), Variation: 2
  - Total Milk Production: 86,388 kgMS YTD (This Week) vs 771 kgMS/ha (Last Week), Variation: -25

*Please note all pasture calculations detailed above are based on the current Grazed Milking Area.*
Last 7 days

<table>
<thead>
<tr>
<th>Milkers Diet</th>
<th>kg DM</th>
<th>MJ ME</th>
<th>CP (%)</th>
<th>NDF (%)</th>
<th>$/cow</th>
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<tbody>
<tr>
<td>Pasture Intake</td>
<td>14.4</td>
<td>11.7</td>
<td>18.4</td>
<td>46.6</td>
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</tr>
<tr>
<td>Concentrates</td>
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<td>13.0</td>
<td>11.0</td>
<td>21.0</td>
<td>0.0</td>
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<tr>
<td>Silage</td>
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<td>10.5</td>
<td>15.0</td>
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<tr>
<td>Grazed forage</td>
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<td>0.0</td>
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<tr>
<td>Other feeds</td>
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<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>19</strong></td>
<td><strong>225.6</strong></td>
<td><strong>16.8</strong></td>
<td><strong>42.0</strong></td>
<td><strong>0</strong></td>
</tr>
<tr>
<td><strong>Target</strong></td>
<td><strong>191</strong></td>
<td><strong>16-18</strong></td>
<td><strong>&gt;33</strong></td>
<td><strong>0</strong></td>
<td></td>
</tr>
</tbody>
</table>

Note: Silage nutritional content is estimated based on pasture analysis during silage season, testing will be conducted early in 2014.

More Milk From Forages (MMFF) cover cropping experiment: Rape undersown with clover and plantain. Estimated yield 50DM/ha, dryland

![Rainfall Data Graph](image)

Analysis

- Expected growth rate next 7 days (kgDM/ha/day): 30
- Total Demand from Pasture (kgDM/ha/day): 36
- APC balance (kgDM/ha/day): -5

Target Leaf Grazing Stage: 2.5
Predicted APC 7 days time: 2136
Predicted APC Change: -38.2

Discussion

Average pasture cover has decreased this week to 2174kgDM/ha with growth on the irrigated and rain fed paddocks holding a 60 and 21kgDM/ha/day respectively. We expect cover to hold into the coming week with grain allocation being boosted to 4.5kgDM/head/day (average) and silage being lifted to approximately 1.8kgDM/head/day. Average per cow milk production continues to hold at around 1.5kgMS/day (1.44kgMS/day this week). At present all cows are producing over 1kgMS/day and so none have been dried off. R1 and R2 heifers were weighed this week with R2’s averaging 387kg (above target) and R1’s averaging 138 kg (a little below target). Key focuses for the coming week are to develop a feed budget for the remainder of the season and to ensure timely application of urea to irrigated paddocks.
Average pasture cover continued to fall this week to 2174 kg DM/ha with growth rates of irrigated and rainfed paddock relatively stable at 64 kg DM/ha/day and 21 kg DM/ha/day.

Pasture Biomass (Kg DM/ha) Paddock Predicted Wedge 7 Days Time
Pasture Growth Rate (kg DM/ha/day) = 37
Predicted Growth Rate Next 7 Days (kg DM/ha/day) = 35

Average farm pasture cover (kg DM/ha) = 2174
Area in Rotation (ha) = 111
Pasture Growth Rate (kg DM/ha/day) = 37
Predicted Growth Rate Next 7 Days (kg DM/ha/day) = 35

Thomas Snare
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