



NIR FEED ANALYSIS REPORT

CLIENT / SAMPLE DETAILS			
Client:	Tomsett Dairy		
Order No.:	5660	Order Date:	28/04/2017
Sample ID:	Tomsett Dairy #Homestead Pasture 20170428	Sample Type:	Pasture
Sample Date:	28/04/2017 1:53:07 p.m.	Report Date:	Friday, 28 April 2017

ANALYSIS	Reported As	LEVELS DETECTED	MEDIUM RANGE	COMMENTS
Nitrogen	%	4.4	4.0 – 5.0	
Dry Matter	%	15.0	12.0 – 30.0	
Crude Protein	%DM	31.2	20.0 – 30.0	
Acid Detergent Fibre	%DM	25.9	20.0 – 30.0	
Neutral Detergent Fibre	%DM	37.7	30.0 – 45.0	
Ash	%DM	11.8	7.0 – 14.0	
Soluble Sugar	%DM	8.6		
Starch	%DM	1.2		
Crude Fat	%DM	3.5		
Digestibility of OM in DM	%	72.7	65.0 – 80.0	
Metabolisable Energy	MJME/kg DM	11.8	9.0 – 12.0	

TESTING TECHNICIAN	SIGNED
F Lambie	

NOTES:

- The results contained in this report compares the levels found with reference interpretation levels.
- This report has been prepared with all reasonable care from the information supplied and is believed to be accurate and reliable.
- Dairy Business Centre (NZ) Limited accepts no responsibility for any consequences arising out of the use of the information contained within this report.



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NIR FEED ANALYSIS REPORT

CLIENT / SAMPLE DETAILS			
Client:	Tomsett Dairy		
Order No.:	5659	Order Date:	28/04/2017
Sample ID:	Tomsett Dairy #Kates 2 Pasture 20170428	Sample Type:	Pasture
Sample Date:	28/04/2017 1:49:06 p.m.	Report Date:	Friday, 28 April 2017

ANALYSIS	Reported As	LEVELS DETECTED	MEDIUM RANGE	COMMENTS
Nitrogen	%	4.5	4.0 – 5.0	
Dry Matter	%	15.5	12.0 – 30.0	
Crude Protein	%DM	31.4	20.0 – 30.0	
Acid Detergent Fibre	%DM	24.5	20.0 – 30.0	
Neutral Detergent Fibre	%DM	36.2	30.0 – 45.0	
Ash	%DM	11.2	7.0 – 14.0	
Soluble Sugar	%DM	9.0		
Starch	%DM	1.0		
Crude Fat	%DM	3.6		
Digestibility of OM in DM	%	74.1	65.0 – 80.0	
Metabolisable Energy	MJME/kg DM	11.9	9.0 – 12.0	

TESTING TECHNICIAN	SIGNED
F Lambie	

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GUIDELINES ON PASTURE QUALITY RESULTS

Dry Matter Percentage (DM %)

<18% - Caution

- Large quantities of water consumed – Lowers pasture intake.
- Reduced water intake – reduced Dosatron effectiveness during peak mineral requirement.
- Mowing up to 6 hours pre-grazing advised.

18%-25%

- No immediate need for any management changes.

>25% - Caution

- Quality characteristics may be reduced. This is usually a result of the seed head emerging and pasture going reproductive, typical in summer pasture.

Crude Protein (CP)

<18% - Caution

- Pasture is low in protein. Cows may be deficient and production may be reduced.
- Usually occurs during mid-summer as the seed head has emerged.
- Protein supplement recommended to maintain milk solid production.

18% - 28%

- Adequate, protein levels should be sufficient to meet requirement if intake isn't restricted.

>28% - Caution

- High CP will not be well utilised, more energy is needed for microbial protein conversion.
- Protein can be diluted down with supplements such as straw, PKE or baleage.

Neutral Detergent Fibre (NDF)

37% - 40%

- Pasture is less filling = more energy consumed per unit of fill.
- Acidosis may be an issue – ensure cows are not hungry going onto pasture.

41% - 43%

- Medium range – energy demands should be able to be met before rumen fill limit is reached

>44% - Caution

- DMI may be limited as pasture is more filling per kg DM, therefore reduced ME & CP intake.

Metabolisable Energy (ME)

<11 MJME/ kg DM – Caution

- Low energy- production will be limited.

11 MJME/ kg DM – 12.5 MJME/kg DM

- Typical good quality pasture.

>12.5 MJME/ kg DM

- Energy content is extremely high, acidosis may be an issue.