



NIR FEED ANALYSIS REPORT

CLIENT / SAMPLE DETAILS			
Client:	Tomsett Dairies		
Order No.:	4346	Order Date:	12/10/2016
Sample ID:	Tomsett Dairies #Barn Shogun Pasture 20161012	Sample Type:	Pasture
Sample Date:	12/10/2016 3:22:01 p.m.	Report Date:	Wednesday, 12 October 2016

ANALYSIS	Reported As	LEVELS DETECTED	MEDIUM RANGE	COMMENTS
Nitrogen	%	4.6	4.0 – 5.0	
Dry Matter	%	13.6	12.0 – 30.0	
Crude Protein	%DM	29.4	20.0 – 30.0	
Acid Detergent Fibre	%DM	23.8	20.0 – 30.0	
Neutral Detergent Fibre	%DM	39.9	30.0 – 45.0	
Ash	%DM	11.1	7.0 – 14.0	
Soluble Sugar	%DM	6.3		
Starch	%DM	0.5		
Crude Fat	%DM	3.5		
Digestibility of OM in DM	%	73.6	65.0 – 80.0	
Metabolisable Energy	MJME/kg DM	11.9	9.0 – 12.0	

TESTING TECHNICIAN	SIGNED

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.



dbc
DAIRY BUSINESS CENTRE (NZ) LIMITED

■ 208 Havelock Street ■ PO Box 29 ■ Ashburton 7740 ■ New Zealand

■ 0800 COW FEED ■ www.dairybusiness.co.nz

■ Phone: +64 03 308 0094 ■ Fax: +64 03 308 0089 ■ Email: lab@dairybusiness.co.nz

NIR FEED ANALYSIS REPORT

CLIENT / SAMPLE DETAILS			
Client:	Tomsett Dairies		
Order No.:	4345	Order Date:	12/10/2016
Sample ID:	Tomsett Dairies #Barn Pasture 20161012	Sample Type:	Pasture
Sample Date:	12/10/2016 3:20:17 p.m.	Report Date:	Wednesday, 12 October 2016

ANALYSIS	Reported As	LEVELS DETECTED	MEDIUM RANGE	COMMENTS
Nitrogen	%	4.6	4.0 – 5.0	
Dry Matter	%	13.4	12.0 – 30.0	
Crude Protein	%DM	29.8	20.0 – 30.0	
Acid Detergent Fibre	%DM	22.5	20.0 – 30.0	
Neutral Detergent Fibre	%DM	37.9	30.0 – 45.0	
Ash	%DM	10.7	7.0 – 14.0	
Soluble Sugar	%DM	8.0		
Starch	%DM	0.6		
Crude Fat	%DM	3.7		
Digestibility of OM in DM	%	75.7	65.0 – 80.0	
Metabolisable Energy	MJME/ kg DM	12.2	9.0 – 12.0	

TESTING TECHNICIAN	SIGNED

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.



NIR FEED ANALYSIS REPORT

CLIENT / SAMPLE DETAILS			
Client:	Tomsett Dairies		
Order No.:	4344	Order Date:	12/10/2016
Sample ID:	Tomsett Dairies #1 Pasture 20161012	Sample Type:	Pasture
Sample Date:	12/10/2016 3:06:20 p.m.	Report Date:	Wednesday, 12 October 2016

ANALYSIS	Reported As	LEVELS DETECTED	MEDIUM RANGE	COMMENTS
Nitrogen	%	4.1	4.0 – 5.0	
Dry Matter	%	13.0	12.0 – 30.0	
Crude Protein	%DM	27.1	20.0 – 30.0	
Acid Detergent Fibre	%DM	23.4	20.0 – 30.0	
Neutral Detergent Fibre	%DM	39.2	30.0 – 45.0	
Ash	%DM	10.2	7.0 – 14.0	
Soluble Sugar	%DM	7.8		
Starch	%DM	0.9		
Crude Fat	%DM	3.4		
Digestibility of OM in DM	%	73.8	65.0 – 80.0	
Metabolisable Energy	MJME/ kg DM	12.0	9.0 – 12.0	

TESTING TECHNICIAN	SIGNED

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.



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.