



## NIR FEED ANALYSIS REPORT

CLIENT / SAMPLE DETAILS			
<b>Client:</b>	Tomsett		
<b>Order No.:</b>	5566	<b>Order Date:</b>	29/03/2017
<b>Sample ID:</b>	Tomsett Dairy #Shelter Pasture 20170329	<b>Sample Type:</b>	Pasture
<b>Sample Date:</b>	29/03/2017 11:14:30 a.m.	<b>Report Date:</b>	Wednesday, 29 March 2017

ANALYSIS	Reported As	LEVELS DETECTED	MEDIUM RANGE	COMMENTS
Nitrogen	%	3.7	4.0 – 5.0	
Dry Matter	%	13.4	12.0 – 30.0	
Crude Protein	%DM	27.0	20.0 – 30.0	
Acid Detergent Fibre	%DM	26.1	20.0 – 30.0	
Neutral Detergent Fibre	%DM	37.7	30.0 – 45.0	
Ash	%DM	11.3	7.0 – 14.0	
Soluble Sugar	%DM	9.0		
Starch	%DM	0.9		
Crude Fat	%DM	3.4		
Digestibility of OM in DM	%	71.8	65.0 – 80.0	
Metabolisable Energy	MJME/kg DM	11.6	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.



**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			
<b>Client:</b>	Tomsett		
<b>Order No.:</b>	5565	<b>Order Date:</b>	29/03/2017
<b>Sample ID:</b>	Tomsett Dairy #3 Pasture 20170329	<b>Sample Type:</b>	Pasture
<b>Sample Date:</b>	29/03/2017 11:08:14 a.m.	<b>Report Date:</b>	Wednesday, 29 March 2017

ANALYSIS	Reported As	LEVELS DETECTED	MEDIUM RANGE	COMMENTS
Nitrogen	%	3.8	4.0 – 5.0	
Dry Matter	%	14.6	12.0 – 30.0	
Crude Protein	%DM	27.8	20.0 – 30.0	
Acid Detergent Fibre	%DM	25.8	20.0 – 30.0	
Neutral Detergent Fibre	%DM	37.4	30.0 – 45.0	
Ash	%DM	11.1	7.0 – 14.0	
Soluble Sugar	%DM	9.3		
Starch	%DM	0.8		
Crude Fat	%DM	3.6		
Digestibility of OM in DM	%	72.5	65.0 – 80.0	
Metabolisable Energy	MJME/ kg DM	11.7	9.0 – 12.0	

TESTING TECHNICIAN	SIGNED
F Lambie	

### NOTES:

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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.