



# FORAGE LAB AUSTRALIA

An Affiliate of Cumberland Valley Analytical Services USA

Farm: **MULTICUBE STOCKFEED**  
Desc: **LUCC/TEFF CPP2026-223**  
Submitter: **FORAGE LAB AUSTRALIA, .**  
Account: **FORAGE LAB AUSTRALIA**

**LUCC/TEFF CPP2026-223**

Reported: **05/29/2026**

## SAMPLE INFORMATION

Version: 1.0  
Feed Type: MIXED FORAGE  
Package: BASIC NIR

## NIR ANALYSIS RESULTS

Moisture 9.1  
Dry Matter 90.9

## PROTEINS

	% SP	% CP	% DM
Crude Protein			16.1
Adjusted Protein			16.1
Soluble Protein		45.4	7.3
Ammonia (CPE)	21.5	9.8	1.57
ADF Protein (ADICP)		7.6	1.22
NDF Protein (NDICP)		12.4	1.99
NDR Protein (NDRCP)			
Rumen Degr. Protein		72.7	11.7
Amino Acid Protein, Total			
Lysine			
Methionine			
Isoleucine			
Leucine			
Histidine			
Valine			
Arginine			

## FIBER

	% NDF	% DM
ADF	73.1	37.7
aNDF		51.5
aNDFom		50.3
NDR (NDF w/o sulfite)		
Crude Fiber		
Lignin	13.4	6.88
NDF Digestibility (12 hr)		
NDF Digestibility (24 hr)		
NDF Digestibility (30 hr)		
NDF Digestibility (72 hr)		
NDF Digestibility (120 hr)		
NDF Digestibility (240 hr)		
uNDF (12 hr)		
uNDF (24 hr)		
uNDF (30 hr)		
uNDF (120 hr)		
uNDF (240 hr)		

## CARBOHYDRATES

	% Fat	% Starch	% NFC	% DM
ESC, Sugar			25.2	5.9
WSC, Sugar				7.5
Starch		11.9		2.8
Soluble Starch				
Soluble Fiber				
Starch Dig. (7 hr, 4 mm)				
Crude Fat				1.92
Fatty Acids, Total				
C16:0				
C18:0				
C18:1				
C18:2				
C18:3				
Unsaturated Fatty Acids				

Values in bold were analyzed by wet chemistry methods.

## MINERALS

Ash (%DM)	9.25
Calcium (%DM)	0.88
Phosphorus (%DM)	0.23
Magnesium (%DM)	0.31
Potassium (%DM)	2.27
Sulfur (%DM)	0.28
Sodium (%DM)	
Chloride (%DM)	0.71
Iron (PPM)	
Manganese (PPM)	
Zinc (PPM)	
Copper (PPM)	
Molybdenum (PPM)	

## QUALITATIVE

pH	
Total VFA (%DM)	
Lactic Acid (%DM)	
Lactic as % of Total VFA	
Acetic Acid (%DM)	
Propionic Acid, %DM	
Butyric Acid (%DM)	
1, 2 Propanediol (%DM)	
Nitrate Ion (%DM)	
Nitrate-Nitrogen, ppm	
Soil Contamination Probability	
Soil Contamination (%DM)	
NIR Statistical Confidence	

## ENERGY & INDEX CALCULATIONS

Equine TDN (%DM)	48.6
Equine DE (mj/kg)	8.95
Net Energy Lactation (mj/kg)	5.23
Net Energy Maintenance (mj/kg)	4.98
Net Energy Gain (mj/kg)	2.62
ME (mj/kg)	8.54
AA Protein as % of Total Protein	
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
NDF Dig. Rate (Kd, %HR, uNDF)	4.1
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	108
Relative Forage Quality (RFQ)	
Milk per Ton (kg/tonne)	1184
Milk per Ton 2024(kg/tonne)	
Beef per Ton (kg/tonne)	
Dig. Organic Matter Index (kg/tonne)	
NFC (Non-Fiber Carbohydrates)(%DM)	23.3
NSC (Non-Structural Carbohydrates) ESC (%DM)	8.7
NSC (Non-Structural Carbohydrates) WSC (%DM)	10.3
DCAD (meq/100gdm)	
Summative Index % (Mass Balance)	
V Score	

