FORAGE LAB AUSTRALIA

An Affiliate of Cumberland Valley Analytical Services USA

Farm: **MULTICUBE STOCKFEEDS** Copies to:
Desc: **CPP2026-254 LUC/TEFF CUBES**
Submitter: **FORAGE LAB AUSTRALIA, .**
Account: **FORAGE LAB AUSTRALIA**

Sampled: **10/13/2026**
Arrived: **10/26/2026**
Completed: **10/29/2026**
Reported: **10/29/2026**

CPP2026-254 LUC/TEFF CUBES

SAMPLE INFORMATION

Version: 1.0
Feed Type: MIXED FORAGE
Crop Year:
Package: BASIC NIR
Cutting#:

NIR ANALYSIS RESULTS

Moisture	11.4
Dry Matter	88.6

PROTEINS	% SP	% CP	% DM
Crude Protein			15.2
Adjusted Protein			15.2
Soluble Protein		34.0	5.2
Ammonia (CPE)	31.5	10.7	1.63
ADF Protein (ADICP)		8.4	1.28
NDF Protein (NDICP)		15.8	2.41
NDR Protein (NDRCP)			
Rumen Degr. Protein		67.0	10.2
Amino Acid Protein, Total		69.0	10.50
Lysine			
Methionine			
Isoleucine			
Leucine			
Histidine			
Valine			
Arginine			

FIBER	% NDF	% DM
ADF	72.4	38.0
aNDF		52.4
aNDFom		51.3
NDR (NDF w/o sulfite)		
Crude Fiber		
Lignin	15.1	7.93
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			20.6	5.1
WSC, Sugar				7.5
Starch			12.2	3.0
Soluble Starch				
Soluble Fiber				
Starch Dig. (7 hr, 4 mm)				
Crude Fat				1.39
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)	8.79
Calcium (%DM)	0.82
Phosphorus (%DM)	0.16
Magnesium (%DM)	0.29
Potassium (%DM)	2.04
Sulfur (%DM)	0.23
Sodium (%DM)	
Chloride (%DM)	0.44
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)	<1
NIR Statistical Confidence	

ENERGY & INDEX CALCULATIONS

Equine TDN (%DM)	47.3
Equine DE (mj/kg)	8.76
Net Energy Lactation (mj/kg)	5.04
Net Energy Maintenance (mj/kg)	4.65
Net Energy Gain (mj/kg)	2.32
ME (mj/kg)	8.19
AA Protein as % of Total Protein	69.0
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
NDF Dig. Rate (Kd, %HR, uNDF)	3.7
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	105
Relative Forage Quality (RFQ)	
Milk per Ton (kg/tonne)	1128
Milk per Ton 2024(kg/tonne)	
Beef per Ton (kg/tonne)	
Dig. Organic Matter Index (kg/tonne)	
NFC (Non-Fiber Carbohydrates)(%DM)	24.6
NSC (Non-Structural Carbohydrates) ESC (%DM)	8.1
NSC (Non-Structural Carbohydrates) WSC (%DM)	10.5
DCAD, meq/kg– NIR Estimate	262.7
Summative Index % (Mass Balance)	
V Score	

Additional sample information, submitted documents and lab pictures linked to QR code

MultiCube