



FORAGE LAB AUSTRALIA

An Affiliate of Cumberland Valley Analytical Services USA

Farm: **MULTICUBE STOCKFEED**
Desc: **DPPR01-306 TEFF HAY**
Submitter: **FORAGE LAB AUSTRALIA, .**
Account: **FORAGE LAB AUSTRALIA**

Copies to:

Sampled: **08/13/2026**
Arrived: **08/12/2026**
Completed: **08/13/2026**
Reported: **08/13/2026**

SAMPLE INFORMATION

Version: 1.
0
Feed Type: GRASS FORAGE
Package: BASIC NIR
Crop Year:
Cutting#:

NIR ANALYSIS RESULTS

Moisture 10.7
Dry Matter 89.3

PROTEINS

	% SP	% CP	% DM
Crude Protein			6.3
Adjusted Protein			6.3
Soluble Protein		50.4	3.2
Ammonia (CPE)	43.8	22.1	1.38
ADF Protein (ADICP)		13.4	0.84
NDF Protein (NDICP)		28.8	1.80
NDR Protein (NDRCP)			
Rumen Degr. Protein		75.2	4.7
Amino Acid Protein, Total			
Lysine			
Methionine			
Isoleucine			
Leucine			
Histidine			
Valine			
Arginine			

FIBER

	% NDF	% DM
ADF	58.4	42.7
aNDF		73.1
aNDFom		72.0
NDR (NDF w/o sulfite)		
Crude Fiber		
Lignin	7.53	5.50
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			53.6	8.9
WSC, Sugar				11.7
Starch			13.2	2.2
Soluble Starch				
Soluble Fiber				
Starch Dig. (7 hr, 4 mm)				
Crude Fat				1.82
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)	4.15
Calcium (%DM)	0.28
Phosphorus (%DM)	0.15
Magnesium (%DM)	0.15
Potassium (%DM)	1.12
Sulfur (%DM)	0.13
Sodium (%DM)	
Chloride (%DM)	0.07
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)	40.7
Equine DE (mj/kg)	7.47
Net Energy Lactation (mj/kg)	5.31
Net Energy Maintenance (mj/kg)	5.12
Net Energy Gain (mj/kg)	2.75
ME (mj/kg)	8.69
AA Protein as % of Total Protein	
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
NDF Dig. Rate (Kd, %HR, uNDF)	4.5
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	71
Relative Forage Quality (RFQ)	
Milk per Ton (kg/tonne)	1052
Milk per Ton 2024(kg/tonne)	
Beef per Ton (kg/tonne)	
Dig. Organic Matter Index (kg/tonne)	
NFC (Non-Fiber Carbohydrates)(%DM)	16.5
NSC (Non-Structural Carbohydrates) ESC (%DM)	11.1
NSC (Non-Structural Carbohydrates) WSC (%DM)	13.9
DCAD, meq/kg- NIR Estimate	194.2
Summative Index % (Mass Balance)	
V Score	

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

