



FORAGE LAB AUSTRALIA

An Affiliate of Cumberland Valley Analytical Services USA

Farm: MULTICUBE STOCKFEEDS
Desc: DPR01-258 PREMIUM TEFF
Submitter: FORAGE LAB AUSTRALIA, .
Account: FORAGE LAB AUSTRALIA

DPR01-258 PREMIUM TEFF

Reported: **12/17/2025**

SAMPLE INFORMATION

Version: 1.0

Feed Type: GRASS FORAGE
Package: BASIC NIR

NIR ANALYSIS RESULTS

Moisture 8.2
Dry Matter 91.8

PROTEINS	% SP	% CP	% DM
Crude Protein			9.3
Adjusted Protein			9.3
Soluble Protein		40.6	3.8
Ammonia (CPE)	34.6	14.0	1.31
ADF Protein (ADICP)		10.1	0.94
NDF Protein (NDICP)		25.6	2.39
NDR Protein (NDRCP)			
Rumen Degr. Protein		70.3	6.6
Amino Acid Protein, Total			
Lysine			
Methionine			
Isoleucine			
Leucine			
Histidine			

FIBER	% NDF	% DM
ADF	63.2	41.3
aNDF		65.5
aNDFom		62.2
NDR (NDF w/o sulfite)		
Crude Fiber		
Lignin	6.60	4.32
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 (30 hr)		
uNDF (120 hr)		
uNDF (240 hr)		

CARBOHYDRATES	% Starch	% NFC	% DM
Ethanol Soluble CHO (ESC-Sugar)		45.3	7.3
Water Soluble CHO (WSC-Sugar)			9.1
Starch		12.5	2.0
Soluble Starch			
Soluble Fiber			
Starch Dig. (7 hr, 4 mm)			
Crude Fat			2.11
Fatty Acids, Total			
C16:0			
C18:0			
C18:1			
C18:2			
C18:3			

Unsaturated Fatty Acids (RUFAL)
Fatty Acids (%Fat)

Values in bold were analyzed by wet chemistry methods.

MINERALS

Ash (%DM)	9.27
Calcium (%DM)	0.45
Phosphorus (%DM)	0.24
Magnesium (%DM)	0.21
Potassium (%DM)	2.29
Sulfur (%DM)	0.19
Sodium (%DM)	
Chloride (%DM)	1.10
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)
Butyric Acid (%DM)
1, 2 Propanediol (%DM)
Nitrate Ion (%DM)
Nitrate-Nitrogen, ppm
Soil Contamination Probability
NIR Statistical Confidence

ENERGY & INDEX CALCULATIONS

Equine TDN (%DM)	42.4
Equine DE (mj/kg)	7.84
Net Energy Lactation (mj/kg)	5.27
Net Energy Maintenance (mj/kg)	5.05
Net Energy Gain (mj/kg)	2.69
ME (mj/kg)	8.61
AA Protein as % of Total Protein	
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
NDF Dig. Rate (Kd, %HR, uNDF)	4.7
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	81
Relative Forage Quality (RFQ)	
Milk per Ton (kg/tonne)	1175
Milk per Ton 2024(kg/tonne)	
Beef per Ton (kg/tonne)	
Dig. Organic Matter Index (kg/tonne)	
NFC (Non-Fiber Carbohydrates)(%DM)	16.2
NSC (Non-Structural Carbohydrates) ESC (%DM)	9.3
NSC (Non-Structural Carbohydrates) WSC (%DM)	11.1
DCAD (meq/100gdm)	
Summative Index % (Mass Balance)	
V Score	

