



# FORAGE LAB AUSTRALIA

An Affiliate of Cumberland Valley Analytical Services USA

**Farm:** MULTICUBE STOCKFEEDS  
**Desc:** DPR01-262 PREMIUM TEFF  
**Submitter:** FORAGE LAB AUSTRALIA, .  
**Account:** FORAGE LAB AUSTRALIA

**DPR01-262 PREMIUM TEFF**

Reported: **12/17/2025**

## SAMPLE INFORMATION

Version: 1.0

Feed Type: GRASS FORAGE  
Package: BASIC NIR

## NIR ANALYSIS RESULTS

Moisture 11.5  
Dry Matter 88.5

## PROTEINS % SP % CP % DM

Crude Protein 9.9  
Adjusted Protein 9.9  
Soluble Protein 43.1 4.3  
Ammonia (CPE) 37.6 16.2 1.61  
ADF Protein (ADICP) 10.6 1.05  
NDF Protein (NDICP) 24.6 2.44  
NDR Protein (NDRCP)  
Rumen Degr. Protein 71.6 7.1  
Amino Acid Protein, Total  
Lysine  
Methionine  
Isoleucine  
Leucine  
Histidine

## FIBER % NDF % DM

ADF 62.8 42.4  
aNDF 67.5  
aNDFom 64.2  
NDR (NDF w/o sulfite)  
Crude Fiber  
Lignin 6.86 4.63  
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) 47.8 6.9  
Water Soluble CHO (WSC-Sugar) 7.8  
Starch 16.3 2.4  
Soluble Starch  
Soluble Fiber  
Starch Dig. (7 hr, 4 mm)  
Crude Fat 1.88  
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) 8.73  
Calcium (%DM) 0.45  
Phosphorus (%DM) 0.27  
Magnesium (%DM) 0.23  
Potassium (%DM) 2.24  
Sulfur (%DM) 0.20  
Sodium (%DM)  
Chloride (%DM) 1.21  
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) 41.3  
Equine DE (mj/kg) 7.65  
Net Energy Lactation (mj/kg) 5.18  
Net Energy Maintenance (mj/kg) 4.89  
Net Energy Gain (mj/kg) 2.54  
ME (mj/kg) 8.44  
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) 77  
Relative Forage Quality (RFQ)  
Milk per Ton (kg/tonne) 1077  
Milk per Ton 2024(kg/tonne)  
Beef per Ton (kg/tonne)  
Dig. Organic Matter Index (kg/tonne)  
NFC (Non-Fiber Carbohydrates)(%DM) 14.4  
NSC (Non-Structural Carbohydrates) ESC (%DM) 9.3  
NSC (Non-Structural Carbohydrates) WSC (%DM) 10.2  
DCAD (meq/100gdm)  
Summative Index % (Mass Balance)  
V Score

