



# FORAGE LAB AUSTRALIA

An Affiliate of Cumberland Valley Analytical Services USA

**Farm:** MULTICUBE STOCKFEED  
**Desc:** LUC/TEFF CFP2026-197  
**Submitter:** FORAGE LAB AUSTRALIA, .

**LUC/TEFF CFP2026-197**

Reported: **01/27/2026**

### SAMPLE INFORMATION

Version: 1.0

Feed Type: MIXED FORAGE  
Package: BASIC NIR

### NIR ANALYSIS RESULTS

Moisture 10.0  
Dry Matter 90.0

### PROTEINS % SP % CP % DM

Crude Protein 14.5  
Adjusted Protein 14.5  
Soluble Protein 37.3 5.4  
Ammonia (CPE) 29.4 11.0 1.59  
ADF Protein (ADICP) 10.2 1.47  
NDF Protein (NDICP) 24.8 3.59  
NDR Protein (NDRCP)  
Rumen Degr. Protein 68.7 9.9  
Amino Acid Protein, Total  
Lysine  
Methionine  
Isoleucine  
Leucine  
Histidine

### FIBER % NDF % DM

ADF 69.8 39.1  
aNDF 56.0  
aNDFom 52.7  
NDR (NDF w/o sulfite)  
Crude Fiber  
Lignin 12.4 6.96  
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) 24.7 5.3  
Water Soluble CHO (WSC-Sugar) 7.3  
Starch 11.9 2.6  
Soluble Starch  
Soluble Fiber  
Starch Dig. (7 hr, 4 mm)  
Crude Fat 1.99  
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) 9.55  
Calcium (%DM) 0.82  
Phosphorus (%DM) 0.26  
Magnesium (%DM) 0.25  
Potassium (%DM) 2.24  
Sulfur (%DM) 0.22  
Sodium (%DM)  
Chloride (%DM) 0.64  
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

TDN (%DM) 54.4  
Net Energy Lactation (mj/kg) 5.07  
Net Energy Maintenance (mj/kg) 4.71  
Net Energy Gain (mj/kg) 2.38  
ME (mj/kg) 8.25  
AA Protein as % of Total Protein  
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin\*2.4)  
NDF Dig. Rate (Kd, %HR, uNDF) 3.6  
Starch Dig. Rate (Kd, %HR, Mertens)  
Relative Feed Value (RFV) 97  
Relative Forage Quality (RFQ)  
Milk per Ton (kg/tonne) 1139  
Milk per Ton 2024(kg/tonne)  
Beef per Ton (kg/tonne)  
Dig. Organic Matter Index (kg/tonne)  
NFC (Non-Fiber Carbohydrates)(%DM) 21.6  
NSC (Non-Structural Carbohydrates) ESC (%DM) 7.9  
NSC (Non-Structural Carbohydrates) WSC (%DM) 9.9  
DCAD (meq/100gdm)  
Summative Index % (Mass Balance)  
V Score

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

