



FORAGE LAB AUSTRALIA

An Affiliate of Cumberland Valley Analytical Services USA

Farm: MULTICUBE STOCKFEED
Desc: CPP2026-211
Submitter: FORAGE LAB AUSTRALIA, .
Account: FORAGE LAB AUSTRALIA
CPP2026-211

Reported: **04/01/2026**

SAMPLE INFORMATION

Version: 1.0

Feed Type: GRASS FORAGE
Package: BASIC NIR

NIR ANALYSIS RESULTS

Moisture 10.0
Dry Matter 90.0

PROTEINS % SP % CP % DM

Crude Protein 16.9
Adjusted Protein 16.9
Soluble Protein 37.6 6.3
Ammonia (CPE) 27.0 10.1 1.71
ADF Protein (ADICP) 7.2 1.21
NDF Protein (NDICP) 12.9 2.18
NDR Protein (NDRCP)
Rumen Degr. Protein 68.8 11.6
Amino Acid Protein, Total
Lysine
Methionine
Isoleucine
Leucine
Histidine

FIBER % NDF % DM

ADF 69.1 33.9
aNDF 49.1
aNDFom 47.8
NDR (NDF w/o sulfite)
Crude Fiber
Lignin 12.0 5.91
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) 32.5 8.1
Water Soluble CHO (WSC-Sugar) 8.7
Starch 9.8 2.4
Soluble Starch
Soluble Fiber
Starch Dig. (7 hr, 4 mm)
Crude Fat 1.92
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) 9.50
Calcium (%DM) 0.89
Phosphorus (%DM) 0.22
Magnesium (%DM) 0.29
Potassium (%DM) 2.39
Sulfur (%DM) 0.24
Sodium (%DM)
Chloride (%DM) 0.36
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) 57.9
Net Energy Lactation (mj/kg) 5.43
Net Energy Maintenance (mj/kg) 5.32
Net Energy Gain (mj/kg) 2.93
ME (mj/kg) 8.9
AA Protein as % of Total Protein
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)
NDF Dig. Rate (Kd, %HR, uNDF) 4.6
Starch Dig. Rate (Kd, %HR, Mertens)
Relative Feed Value (RFV) 118
Relative Forage Quality (RFQ)
Milk per Ton (kg/tonne) 1351
Milk per Ton 2024(kg/tonne)
Beef per Ton (kg/tonne)
Dig. Organic Matter Index (kg/tonne)
NFC (Non-Fiber Carbohydrates)(%DM) 24.8
NSC (Non-Structural Carbohydrates) ESC (%DM) 10.5
NSC (Non-Structural Carbohydrates) WSC (%DM) 11.1
DCAD (meq/100gdm)
Summative Index % (Mass Balance)
V Score

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

