



FORAGE LAB AUSTRALIA

An Affiliate of Cumberland Valley Analytical Services USA

Farm: MULTICUBE STOCKFEED
Desc: LUCERNE/TEFF CUBES CPP2026-203
Submitter: FORAGE LAB AUSTRALIA, .
Account: FORAGE LAB AUSTRALIA
LUCERNE/TEFF CUBES CPP2026-203

Reported: **02/25/2026**

SAMPLE INFORMATION

Version: 1.0

Feed Type: MIXED FORAGE
Package: BASIC NIR

NIR ANALYSIS RESULTS

Moisture 9.4
Dry Matter 90.6

PROTEINS % SP % CP % DM

Crude Protein 16.3
Adjusted Protein 16.3
Soluble Protein 6.2
Ammonia (CPE) 28.8 38.0 10.9 1.78
ADF Protein (ADICP) 10.1 1.64
NDF Protein (NDICP) 18.4 2.99
NDR Protein (NDRCP)
Rumen Degr. Protein 69.0 11.2
Amino Acid Protein, Total
Lysine
Methionine
Isoleucine
Leucine
Histidine

FIBER % NDF % DM

ADF 71.2 36.8
aNDF 51.7
aNDFom 49.4
NDR (NDF w/o sulfite)
Crude Fiber
Lignin 14.3 7.39
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) 27.9 6.8
Water Soluble CHO (WSC-Sugar) 8.2
Starch 5.0 1.2
Soluble Starch
Soluble Fiber
Starch Dig. (7 hr, 4 mm)
Crude Fat 1.76
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) 8.96
Calcium (%DM) 0.88
Phosphorus (%DM) 0.26
Magnesium (%DM) 0.33
Potassium (%DM) 1.73
Sulfur (%DM) 0.23
Sodium (%DM)
Chloride (%DM) 0.20
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) 55.1
Net Energy Lactation (mj/kg) 5.14
Net Energy Maintenance (mj/kg) 4.83
Net Energy Gain (mj/kg) 2.49
ME (mj/kg) 8.38
AA Protein as % of Total Protein
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)
NDF Dig. Rate (Kd, %HR, uNDF) 4.2
Starch Dig. Rate (Kd, %HR, Mertens)
Relative Feed Value (RFV) 108
Relative Forage Quality (RFQ)
Milk per Ton (kg/tonne) 1198
Milk per Ton 2024(kg/tonne)
Beef per Ton (kg/tonne)
Dig. Organic Matter Index (kg/tonne)
NFC (Non-Fiber Carbohydrates)(%DM) 24.3
NSC (Non-Structural Carbohydrates) ESC (%DM) 8.0
NSC (Non-Structural Carbohydrates) WSC (%DM) 9.4
DCAD (meq/100gdm)
Summative Index % (Mass Balance)
V Score

