

Please note that due to drought conditions, recent batches of the teff/lucerne cubes are testing higher in NSC than usual. If your horse is sensitive to sugar, you can soak the cubes fully and remove the water, or you can consider feeding lucerne hay cubes temporarily.



FORAGE LAB AUSTRALIA

An Affiliate of Cumberland Valley Analytical Services USA

Farm: **MULTICUBE STOCKFEED**

Copies to:

Submitter: **FORAGE LAB AUSTRALIA, .**

Account: **FORAGE LAB AUSTRALIA**

Sampled: **03/28/2026**

Arrived: **03/31/2026**

Completed: **04/01/2026**

Reported: **04/01/2026**

SAMPLE INFORMATION

Lab ID: Version: 1.0
 Crop Year: Series:
 Feed Type: GRASS FORAGE Cutting#:

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	