

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  
Desc: LUC/TEFF CPP2026-232  
Submitter: FORAGE LAB AUSTRALIA, .  
Account: FORAGE LAB AUSTRALIA

Copies to:

Sampled: 06/23/2026  
Arrived: 06/25/2026  
Completed: 06/30/2026  
Reported: 06/30/2026

### SAMPLE INFORMATION

Version: 1.0  
Feed Type: MIXED FORAGE  
Package: BASIC NIR  
Crop Year:  
Cutting#:

### NIR ANALYSIS RESULTS

Moisture 10.6  
Dry Matter 89.4

| PROTEINS                  | % SP | % CP | % DM |
|---------------------------|------|------|------|
| Crude Protein             |      |      | 15.0 |
| Adjusted Protein          |      |      | 15.0 |
| Soluble Protein           |      | 35.6 | 5.3  |
| Ammonia (CPE)             | 20.0 | 7.1  | 1.07 |
| ADF Protein (ADICP)       |      | 8.6  | 1.29 |
| NDF Protein (NDICP)       |      | 25.2 | 3.78 |
| NDR Protein (NDRCP)       |      |      |      |
| Rumen Degr. Protein       |      | 67.8 | 10.2 |
| Amino Acid Protein, Total |      |      |      |
| Lysine                    |      |      |      |
| Methionine                |      |      |      |
| Isoleucine                |      |      |      |
| Leucine                   |      |      |      |
| Histidine                 |      |      |      |
| Valine                    |      |      |      |
| Arginine                  |      |      |      |

| FIBER                      | % NDF | % DM |
|----------------------------|-------|------|
| ADF                        | 63.3  | 34.4 |
| aNDF                       |       | 54.4 |
| aNDFom                     |       | 53.5 |
| NDR (NDF w/o sulfite)      |       |      |
| Crude Fiber                |       |      |
| Lignin                     | 11.0  | 5.99 |
| 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 (24 hr)               |       |      |
| uNDF (30 hr)               |       |      |
| uNDF (120 hr)              |       |      |
| uNDF (240 hr)              |       |      |

| CARBOHYDRATES            | % Fat | % Starch | % NFC | % DM |
|--------------------------|-------|----------|-------|------|
| ESC, Sugar               |       |          | 21.0  | 5.1  |
| WSC, Sugar               |       |          |       | 9.7  |
| Starch                   |       |          | 17.9  | 4.3  |
| Soluble Starch           |       |          |       |      |
| Soluble Fiber            |       |          |       |      |
| Starch Dig. (7 hr, 4 mm) |       |          |       |      |
| Crude Fat                |       |          |       | 2.18 |
| Fatty Acids, Total       |       |          |       |      |
| C16:0                    |       |          |       |      |
| C18:0                    |       |          |       |      |
| C18:1                    |       |          |       |      |
| C18:2                    |       |          |       |      |
| C18:3                    |       |          |       |      |
| Unsaturated Fatty Acids  |       |          |       |      |

Values in bold were analyzed by wet chemistry methods.

### MINERALS

|                  |      |
|------------------|------|
| Ash (%DM)        | 8.15 |
| Calcium (%DM)    | 0.68 |
| Phosphorus (%DM) | 0.24 |
| Magnesium (%DM)  | 0.23 |
| Potassium (%DM)  | 2.00 |
| Sulfur (%DM)     | 0.22 |
| Sodium (%DM)     |      |
| Chloride (%DM)   | 0.79 |
| 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)  
Propionic Acid, %DM  
Butyric Acid (%DM)  
1, 2 Propanediol (%DM)  
Nitrate Ion (%DM)  
Nitrate-Nitrogen, ppm

Soil Contamination Probability  
Soil Contamination (%DM)  
NIR Statistical Confidence

### ENERGY & INDEX CALCULATIONS

|                                                  |      |
|--------------------------------------------------|------|
| Equine TDN (%DM)                                 | 49.8 |
| Equine DE (mj/kg)                                | 9.13 |
| Net Energy Lactation (mj/kg)                     | 5.46 |
| Net Energy Maintenance (mj/kg)                   | 5.37 |
| Net Energy Gain (mj/kg)                          | 2.98 |
| ME (mj/kg)                                       | 8.96 |
| 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)                        | 106  |
| Relative Forage Quality (RFQ)                    |      |
| Milk per Ton (kg/tonne)                          | 1261 |
| Milk per Ton 2024(kg/tonne)                      |      |
| Beef per Ton (kg/tonne)                          |      |
| Dig. Organic Matter Index (kg/tonne)             |      |
| NFC (Non-Fiber Carbohydrates)(%DM)               | 24.1 |
| NSC (Non-Structural Carbohydrates) ESC (%DM)     | 9.4  |
| NSC (Non-Structural Carbohydrates) WSC (%DM)     | 14.0 |
| DCAD (meq/100gdm)                                |      |
| Summative Index % (Mass Balance)                 |      |
| V Score                                          |      |

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

