



# FORAGE LAB AUSTRALIA

An Affiliate of Cumberland Valley Analytical Services USA

**Farm:** MULTICUBE STOCKFEEDS  
**Desc:** TEFF HAY 3/4 PIVOT  
**Submitter:** FORAGE LAB AUSTRALIA, .  
**Account:** FORAGE LAB AUSTRALIA  
**TEFF HAY 3/4 PIVOT**

**Sampled:** 02/13/2026  
**Arrived:** 02/12/2026  
**Completed:** 02/16/2026  
**Reported:** 02/16/2026

## SAMPLE INFORMATION

Version: 1.0

**Feed Type:** GRASS FORAGE  
**Package:** BASIC NIR

## NIR ANALYSIS RESULTS

**Moisture** 8.9  
**Dry Matter** 91.1

## PROTEINS % SP % CP % DM

**Crude Protein** 11.1  
**Adjusted Protein** 11.1  
**Soluble Protein** 38.5 4.3  
**Ammonia (CPE)** 26.8 10.3 1.15  
**ADF Protein (ADICP)** 8.1 0.90  
**NDF Protein (NDICP)** 25.2 2.81  
**NDR Protein (NDRCP)**  
**Rumen Degr. Protein** 69.3 7.7  
**Amino Acid Protein, Total**  
**Lysine**  
**Methionine**  
**Isoleucine**  
**Leucine**  
**Histidine**

## FIBER % NDF % DM

**ADF** 59.1 37.5  
**aNDF** 63.5  
**aNDFom** 59.3  
**NDR (NDF w/o sulfite)**  
**Crude Fiber**  
**Lignin** 6.33 4.02  
**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)** 49.7 8.4  
**Water Soluble CHO (WSC-Sugar)** 9.0  
**Starch** 14.0 2.4  
**Soluble Starch**  
**Soluble Fiber**  
**Starch Dig. (7 hr, 4 mm)**  
**Crude Fat** 2.91  
**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)** 8.32  
**Calcium (%DM)** 0.45  
**Phosphorus (%DM)** 0.26  
**Magnesium (%DM)** 0.26  
**Potassium (%DM)** 1.87  
**Sulfur (%DM)** 0.24  
**Sodium (%DM)**  
**Chloride (%DM)** 0.58  
**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

**Equine TDN (%DM)** 46  
**Equine DE (mj/kg)** 8.48  
**Net Energy Lactation (mj/kg)** 5.60  
**Net Energy Maintenance (mj/kg)** 5.61  
**Net Energy Gain (mj/kg)** 3.20  
**ME (mj/kg)** 9.22  
**AA Protein as % of Total Protein**  
**NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin\*2.4)**  
**NDF Dig. Rate (Kd, %HR, uNDF)** 4.9  
**Starch Dig. Rate (Kd, %HR, Mertens)**  
**Relative Feed Value (RFV)** 87  
**Relative Forage Quality (RFQ)**  
**Milk per Ton (kg/tonne)** 1329  
**Milk per Ton 2024(kg/tonne)**  
**Beef per Ton (kg/tonne)**  
**Dig. Organic Matter Index (kg/tonne)**  
**NFC (Non-Fiber Carbohydrates)(%DM)** 17.0  
**NSC (Non-Structural Carbohydrates) ESC (%DM)** 10.8  
**NSC (Non-Structural Carbohydrates) WSC (%DM)** 11.4  
**DCAD (meq/100gdm)**  
**Summative Index % (Mass Balance)**  
**V Score**

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

