

NIR Plus

Client: Gourley Farms
 Description: Orchard Puckett #2 2nd
 Feed Type: Grass Hay
 Sample #: 202751

Date Tested 2/2/2026
 Reported 2/2/2026
 Sampled 1/24/2026

Nutrient	Dry Basis	
Moisture	9.57	%
Dry_Matter	90.43	%
Protein		
CP	9.32	%DM
AD-ICP	6.33	%CP
ND-ICP w/SS	16.95	%CP
Protein Sol	31.44	%CP
Fiber		
ADF	34.81	%DM
aNDF	51.81	%DM
aNDFom	48.71	%DM
Lignin (Sulfuric Acid)	3.11	%DM
NDFD12	42.78	%NDFom
NDFD30	64.32	%NDFom
NDFD120	74.38	%NDFom
NDFD240	76.04	%NDFom
uNDFom12	27.87	%DM
uNDFom30	17.38	%DM
uNDFom120	12.48	%DM
uNDFom240	11.67	%DM
Carbohydrates and Fat		
ESC(Sugar)	13.87	%DM
WSC(Sugar)	16.24	%DM
Starch	0.25	%DM
Crude Fat (EE)	4.46	%DM
Total Fatty Acids (TFA)	1.58	%DM
16:0 Palmitic	19.62	%TFA
18:0 Stearic	5.70	%TFA
18:1 Oleic	3.80	%TFA
18:2 Linoleic	7.59	%TFA
18:3 Linolenic	61.39	%TFA
Minerals		
Ash	10.68	%DM
Calcium	0.59	%DM
Phosphorus	0.21	%DM
Magnesium	0.22	%DM
Potassium	2.30	%DM
Sulfur	0.22	%DM

Qualitative

Calculations

NFC	30.29	%DM
NSC	16.49	%DM
RFV	110.93	
RFQ	143.48	
Adj Crude Protein	9.32	%DM
TDN_OARDC	62.39	%DM
NEL3x_OARDC	0.64	Mcal/lb
NEG_OARDC	0.36	Mcal/lb
NEM_OARDC	0.63	Mcal/lb
Milk/Ton_Milk2013	3070.00	lb/ton DM
California_TDN_90%dry	50.60	Hay equiv, %DM
Equine_TDN	50.56	%DM
MIR_NDF_kd	6.56	%/hr
Isoleucine	3.86	%CP
Leucine	7.83	%CP
Histidine	1.93	%CP
Total_Amino_Acids	8.92	%DM

3T-Orchard