

NIR Plus

Client: Gourley Farms
 Description: FHG Orchard-Alfalfa 2nd
 Feed Type: Mixed Hay
 Sample #: 203776

Date Tested 4/15/2026
 Reported 4/15/2026
 Sampled 4/9/2026

Nutrient	Dry Basis	
Moisture	11.47	%
Dry_Matter	88.53	%
Protein		
CP	14.42	%DM
AD-ICP	3.88	%CP
ND-ICP w/SS	14.36	%CP
Protein Sol	43.83	%CP
Fiber		
ADF	35.68	%DM
aNDF	53.09	%DM
aNDFom	52.29	%DM
Lignin (Sulfuric Acid)	4.16	%DM
NDFD12	48.19	%NDFom
NDFD30	63.19	%NDFom
NDFD120	70.51	%NDFom
NDFD240	72.54	%NDFom
uNDFom12	27.09	%DM
uNDFom30	19.25	%DM
uNDFom120	15.42	%DM
uNDFom240	14.36	%DM
Carbohydrates and Fat		
ESC(Sugar)	10.17	%DM
WSC(Sugar)	12.36	%DM
Starch	0.25	%DM
Crude Fat (EE)	3.27	%DM
Total Fatty Acids (TFA)	1.25	%DM
16:0 Palmitic	24.80	%TFA
18:0 Stearic	4.80	%TFA
18:1 Oleic	4.80	%TFA
18:2 Linoleic	12.80	%TFA
18:3 Linolenic	51.20	%TFA
Minerals		
Ash	10.37	%DM
Calcium	0.49	%DM
Phosphorus	0.36	%DM
Magnesium	0.20	%DM
Potassium	3.52	%DM
Sulfur	0.23	%DM

Qualitative

Calculations

NFC	22.74	%DM
NSC	12.61	%DM
RFV	107.07	
RFQ	141.30	
Adj Crude Protein	14.42	%DM
TDN_OARDC	59.76	%DM
NEL3x_OARDC	0.61	Mcal/lb
NEG_OARDC	0.35	Mcal/lb
NEM_OARDC	0.61	Mcal/lb
Milk/Ton_Milk2013	2674.00	lb/ton DM
DOMI_Hay Equiv	1240.00	lbs/ton
DOMI_As_Fed	1261.00	lbs/ton
California_TDN_90%dry	50.01	Hay equiv, %DM
Equine_TDN	48.52	%DM
MIR_NDF_kd	7.31	%/hr
Isoleucine	2.98	%CP
Leucine	6.03	%CP
Histidine	1.46	%CP
Total_Amino_Acids	10.49	%DM

3T-O/A