

NIR Plus

 Client: Gourley Farms
 Description: Puckert 1st
 Feed Type: Grass Hay
 Sample #: 208501

 Date Tested 8/25/2026
 Reported 8/25/2026
 Sampled 8/18/2026

Nutrient	Dry Basis	
Moisture	8.25	%
Dry_Matter	91.75	%
Protein		
CP	9.94	%DM
AD-ICP	7.34	%CP
ND-ICP w/SS	18.81	%CP
Protein Sol	37.02	%CP
Fiber		
ADF	37.03	%DM
aNDF	56.96	%DM
aNDFom	52.86	%DM
Lignin (Sulfuric Acid)	2.96	%DM
NDFD12	49.32	%NDFom
NDFD30	71.26	%NDFom
NDFD120	81.56	%NDFom
NDFD240	83.37	%NDFom
uNDFom12	26.79	%DM
uNDFom30	15.19	%DM
uNDFom120	9.75	%DM
uNDFom240	8.79	%DM
Carbohydrates and Fat		
ESC(Sugar)	12.16	%DM
WSC(Sugar)	14.22	%DM
Starch	0.40	%DM
Crude Fat (EE)	4.17	%DM
Total Fatty Acids (TFA)	1.34	%DM
16:0 Palmitic	23.13	%TFA
18:0 Stearic	6.72	%TFA
18:1 Oleic	3.73	%TFA
18:2 Linoleic	2.24	%TFA
18:3 Linolenic	61.94	%TFA
Minerals		
Ash	11.84	%DM
Calcium	0.47	%DM
Phosphorus	0.25	%DM
Magnesium	0.17	%DM
Potassium	2.32	%DM
Sulfur	0.19	%DM

Qualitative

Calculations

NFC	24.89	%DM
NSC	14.62	%DM
RFV	98.08	
RFQ	144.22	
Adj Crude Protein	9.94	%DM
TDN_OARDC	60.04	%DM
NEL3x_OARDC	0.61	Mcal/lb
NEG_OARDC	0.33	Mcal/lb
NEM_OARDC	0.59	Mcal/lb
Milk/Ton_Milk2013	2960.00	lb/ton DM
DOMI_Hay Equiv	1292.00	lbs/ton
DOMI_As_Fed	1317.00	lbs/ton
California_TDN_90%dry	49.10	Hay equiv, %DM
Equine_TDN	47.64	%DM
MIR_NDF_kd	6.78	%/hr
Isoleucine	3.92	%CP
Leucine	7.95	%CP
Histidine	1.91	%CP
Total_Amino_Acids	9.20	%DM

1st Cutting Orchard