soiltest farm consultants, inc.
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2019 Certified NIRS by NFTA — National Forage Testing Association — Excellence in Forage Testing — DM CP ADF NDF

WARD RUGH INC
P.O. BOX 68
ELLENSBURG , WA 98926
GROWER: FIBERS
FIELD ID.: UT 1 ST 2ND TIM
NIR CALIBRATION: GRASS

DATE RECEIVED: 8/15/2019
DATE REPORTED: 8/16/2019
LAB NUMBER: F19-05306

GROWER ACCOUNT #:
GROWER SAMPLE ID:

Comp Tim low sugar

NIR FEED ANALYSIS

	As Received Basis	100% Dry Matter
MOISTURE %	6.5	
DRY MATTER %	93.5	100
Protein		
CRUDE PROTEIN	13.4	14.3
DIGESTIBLE PROTEIN	9.4	10.1
Fiber		
ACID DET. FIBER %	31.9	34.1
NEUTRAL DET. FIBER %	52.8	56.5
LIGNIN %	5.2	5.6
RFV		103
FAT %	2.27	2.43
STARCH %	2.21	2.36
ESC %	6.8	7.3
NSC %	10.8	11.5
ASH %	7.5	8.0
WSC %	8.6	9.2
Minerals		
CALCIUM (Ca) %	0.47	0.50
PHOSPHORUS (P) %	0.23	0.25
POTASSIUM (K) %	1.98	2.12
MAGNESIUM (Mg) %	0.25	0.27
Other Analysis:		
NITRATE NITROGEN mg/kg	476	495

		As Received Basis	100% Dry Matter Basis
TDN %	[ADF]	58.2	62.2
NEL, MCAL/KG	[ADF]	1.2	1.3
NEM, MCAL/KG	[ADF]	1.8	1.9
NEG, MCAL/KG	[ADF]	1.1	1.2
METABOLIZABLE ENERGY		2.17	2.32
DIGESTIBLE ENERGY		2.5	2.7
DIGESTIBLE DRY MATTER		58.3	62.3
DRY MATTER INTAKE		2.0	2.1
Wet Chemistry Minerals:			
Boron (B) mg/kg			
Calcium (Ca) %			
Copper (Cu) mg/kg			
Iron (Fe) mg/kg			
Magnesium (Mg) %			
Manganese (Mn) mg/kg			
Phosphorus (P) %			
Potassium (K) %			
Sodium (Na) %			
Sulfur (S) %			
Zinc (Zn) mg/kg			
Chloride (Cl) mg/kg			

* TOTAL AFLATOXIN (B1, B2, G1, G2) (AgraStrip 8.0 ppb)

Relataive Feed value includes both ADF and NDF in accordance with AFGC Hay Market Task Force Equations

We make every effort to provide an accurate analysis of your sample. For reasonable cause we will repeat tests, but because of factors beyond our control in sampling procedures and the inherent variability of feeds, our liability is limited to the price of the tests.

This is your Invoice F19-05306 Account #: 286000 Reviewed by: B.Thyssen, CPSS List Cost $25.00