

UtahStateUniversity

ANALYTICAL LABORATORIES

Physical Address: 1541 North 800 East, North Logan
Mailing Address: 9400 Old Main Hill, Logan UT 84322 - 9400
Phone: (435)797-2217 Email: usual@usu.edu
Website: soiltest.usu.edu

NIR ANALYSIS REPORT

SAMPLE NUMBER 0059
SAMPLE TYPE Grass
SAMPLE ID 1
DATE PROCESSED 4/25/2022



Mount Pleasant, UT 84647

	---ANALYSIS---	
	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE %	7.32	0.00
DRY MATTER %	92.7	100
CRUDE PROTEIN %	11.5	12.4
ACID DET. FIBER %	32.2	34.8
NEUT. DET. FIBER %	48.2	52.0
TDN%	54.2	58.4
NE/LACTATION,MCAL/LB	0.60	0.65
NE/ MAINTENANCE,MCAL/LB	0.53	0.57
NE/GAIN,MCAL/LB	0.29	0.31
		127
<u>MINERALS</u>		
CALCIUM (CA) %	0.59	0.64
PHOSPHORUS (P) %	0.20	0.22
POTASSIUM (K) %	1.82	1.96
MAGNESIUM (MG) %	0.19	0.20

The sampling technique used to obtain this sample will determine if the sample represents the lot.



Plant Analysis Lab
Soil Testing Lab
Feed Analysis Lab
Irrigation Water Analysis Lab
Manure Analysis Lab

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NIR ANALYSIS REPORT

SAMPLE NUMBER 0060
SAMPLE TYPE 3 Way
SAMPLE ID 2
DATE PROCESSED 4/25/2022



Mount Pleasant, UT 84647

	---ANALYSIS---	
	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE %	7.09	0.00
DRY MATTER %	92.9	100
CRUDE PROTEIN %	16.6	17.9
ACID DET. FIBER %	27.1	29.2
NEUT. DET. FIBER %	44.3	47.7
TDN%	57.9	62.4
NE/LACTATION,MCAL/LB	0.67	0.72
NE/MAINTENANCE,MCAL/LB	0.59	0.63
NE/GAIN,MCAL/LB	0.34	0.37
		144
<u>MINERALS</u>		
CALCIUM (CA) %		
PHOSPHORUS (P) %	0.55	0.59
POTASSIUM (K) %	0.29	0.31
MAGNESIUM (MG) %	2.33	2.51
	0.23	0.25

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NIR ANALYSIS REPORT

SAMPLE NUMBER 0061
SAMPLE TYPE Grass/Alfalfa Mix
SAMPLE ID 3
DATE PROCESSED 4/25/2022



PROUDLY USING
NIRSC EQUATIONS

Mount Pleasant, UT 84647

	---ANALYSIS---	
	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE %	7.05	0.00
DRY MATTER %		
CRUDE PROTEIN %	93.0	100
ACID DET. FIBER %	13.8	14.9
NEUT. DET. FIBER %	30.3	32.6
TDN%	45.2	48.7
NE/LACTATION,MCAL/LB	60.8	65.4
NE/MAINTENANCE,MCAL/ LB NE/GAIN,MCAL/LB	0.62	0.67
	0.63	0.68
	0.38	0.41
		121
MINERALS		
CALCIUM (CA) %		
PHOSPHORUS (P) %	1.20	1.29
POTASSIUM (K) %	0.20	0.22
MAGNESIUM (MG) %	1.57	1.69
	0.29	0.31

The sampling technique used to obtain this sample will determine if the sample represents the lot.



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Manure Analysis Lab