

Ag Testing - Consulting

Account No. : 30869

NIR Analysis Report

ANDERSON, BRYCE
11653 742 RD
HOLDREGE

Lot
1 of 2
NE 68949

Invoice No. : 1439242
Date Received : 01/09/2025
Date Reported : 01/13/2025

Lab Number : 158

Results For : BRYCE ANDERSON
Sample ID : TURNERS
Description : HAY

	Analysis As Received	Analysis Dry Basis
Moisture, %	17.08	0.00
Dry Matter, %	82.92	100.00
PROTEIN		
Crude Protein, %	6.3	7.7
FIBERS		
Acid Detergent Fiber, %	31.5	38.0
Neutral Detergent Fiber, %	46.8	56.5
NDFD (digestibility) 48 hr, % of NDF		52
IVTDMD (in vitro true digestibility) 48 hr, %	61.3	73.9
ENERGIES		
TDN Est., %	43.3	52.2
Net Energy Lact, MCal/lb	0.4356	0.5253
Net Energy Maint, MCal/lb	0.3911	0.4717
Net Energy Gain, MCal/lb	0.1835	0.2213
QUALITY VALUE		
Relative Feed Value		98
Relative Forage Quality		90
MINERALS		
Calcium, % Ca	0.32	0.38
Phosphorus, % P	0.19	0.23
Potassium, % K	1.99	2.40
Magnesium, % Mg	0.15	0.18
Ash, %	8.68	10.47
OTHER ANALYSIS		
*Nitrate, ppm NO ₃ -N		422
Safety Level	Safe	
Fat, %	1.8	2.1
Starch, %	6.8	8.2
Lignin, %	4.15	5.01
Non Fiber Carbohydrates, %	19.3	23.3
Ethanol-Soluble Carbohydrates, %	7.2	8.7

[Click here for Report Interpretation](#)

Reviewed By : Rebecca Kern

1/14/2025

Copy : 1

Page 1 of 2



Ag Testing - Consulting

Account No. : 30869

NIR Analysis Report

ANDERSON, BRYCE
11653 742 RD
HOLDREGE

NE 68949

Invoice No. : 1439242
Date Received : 01/09/2025
Date Reported : 01/13/2025

Lab Number : 158

Results For : BRYCE ANDERSON
Sample ID : TURNERS
Description : HAY

	Analysis As Received	Analysis Dry Basis
Water-Soluble Carbohydrates, %	8.2	9.9
*-Result By Wet Chemistry		

Reviewed By : Rebecca Kern

1/14/2025

Copy : 1

Page 2 of 2

Ag Testing - Consulting

Account No. : 30869

NIR Analysis Report

ANDERSON, BRYCE
11653 742 RD
HOLDREGE

NE 68949

Lot
3

Invoice No. : 1439242
Date Received : 01/09/2025
Date Reported : 01/13/2025

Lab Number : 159

Results For : BRYCE ANDERSON
Sample ID : PAYNES
Description : HAY

	Analysis As Received	Analysis Dry Basis
Moisture, %	16.18	0.00
Dry Matter, %	83.82	100.00
PROTEIN		
Crude Protein, %	6.4	7.7
FIBERS		
Acid Detergent Fiber, %	34.7	41.3
Neutral Detergent Fiber, %	49.9	59.5
NDFD (digestibility) 48 hr, % of NDF		52
IVTDM (in vitro true digestibility) 48 hr, %	58.9	70.3
ENERGIES		
TDN Est., %	43.7	52.1
Net Energy Lact, MCal/lb	0.4400	0.5249
Net Energy Maint, MCal/lb	0.3949	0.4711
Net Energy Gain, MCal/lb	0.1850	0.2207
QUALITY VALUE		
Relative Feed Value		89
Relative Forage Quality		88
MINERALS		
Calcium, % Ca	0.25	0.30
Phosphorus, % P	0.18	0.22
Potassium, % K	1.90	2.27
Magnesium, % Mg	0.13	0.15
Ash, %	7.42	8.85
OTHER ANALYSIS		
*Nitrate, ppm NO ₃ -N		1273
Safety Level	Safe	
Fat, %	1.6	2.0
Starch, %	8.0	9.5
Lignin, %	4.54	5.42
Non Fiber Carbohydrates, %	18.5	22.0
Ethanol-Soluble Carbohydrates, %	6.0	7.1

[Click here for Report Interpretation](#)

Reviewed By : Rebecca Kern

1/14/2025

Copy : 1

Page 1 of 2



Ag Testing - Consulting

Account No. : 30869

NIR Analysis Report

ANDERSON, BRYCE
11653 742 RD
HOLDREGE

NE 68949

Invoice No. : 1439242
Date Received : 01/09/2025
Date Reported : 01/13/2025

Lab Number : 159

Results For : BRYCE ANDERSON
Sample ID : PAYNES
Description : HAY

	Analysis As Received	Analysis Dry Basis
Water-Soluble Carbohydrates, %	7.0	8.3
*-Result By Wet Chemistry		

Reviewed By : Rebecca Kern

1/14/2025

Copy : 1

Page 2 of 2

Bus: 308-234-2418
Fax: 308-234-1940

web site
www.wardlab.com

4007 Cherry Ave., P.O. Box 788
Kearney, Nebraska 68848-0788

Ag Testing - Consulting

Account No. : 30869

NIR Analysis Report

Lot 7

ANDERSON, BRYCE
11653 742 RD
HOLDREGE

NE 68949

Invoice No. : 1439242
Date Received : 01/09/2025
Date Reported : 01/13/2025

Lab Number : 160

Results For : BRYCE ANDERSON
Sample ID : KEARNEYS
Description : HAY

	Analysis As Received	Analysis Dry Basis
Moisture, %	13.55	0.00
Dry Matter, %	86.45	100.00
PROTEIN		
Crude Protein, %	6.3	7.2
FIBERS		
Acid Detergent Fiber, %	32.6	37.7
Neutral Detergent Fiber, %	51.1	59.1
NDFD (digestibility) 48 hr, % of NDF		60
IVTDMD (in vitro true digestibility) 48 hr, %	66.0	76.3
ENERGIES		
TDN Est., %	47.1	54.5
Net Energy Lact, MCal/lb	0.4762	0.5508
Net Energy Maint, MCal/lb	0.4388	0.5076
Net Energy Gain, MCal/lb	0.2200	0.2545
QUALITY VALUE		
Relative Feed Value		94
Relative Forage Quality		96
MINERALS		
Calcium, % Ca	0.22	0.26
Phosphorus, % P	0.19	0.22
Potassium, % K	2.10	2.43
Magnesium, % Mg	0.17	0.20
Ash, %	8.42	9.74
OTHER ANALYSIS		
*Nitrate, ppm NO ₃ -N		164
Safety Level	Safe	
Fat, %	1.8	2.0
Starch, %	1.5	1.8
Lignin, %	2.78	3.22
Non Fiber Carbohydrates, %	19.0	21.9
Ethanol-Soluble Carbohydrates, %	9.9	11.4

[Click here for Report Interpretation](#)

Reviewed By : Rebecca Kern

1/14/2025

Copy : 1

Page 1 of 2

Ag Testing - Consulting

Account No. : 30869

NIR Analysis Report

ANDERSON, BRYCE
11653 742 RD
HOLDREGE

NE 68949

Invoice No. : 1439242
Date Received : 01/09/2025
Date Reported : 01/13/2025

Lab Number : 160

Results For : BRYCE ANDERSON
Sample ID : KEARNEYS
Description : HAY

	Analysis As Received	Analysis Dry Basis
Water-Soluble Carbohydrates, %	11.3	13.1
*-Result By Wet Chemistry		

Reviewed By : Rebecca Kern

1/14/2025

Copy : 1

Page 2 of 2

Ag Testing - Consulting

Account No. : 30869

Lot
4 & 5

NIR Analysis Report

ANDERSON, BRYCE
11653 742 RD
HOLDREGE

NE 68949

Invoice No. : 1439242
Date Received : 01/09/2025
Date Reported : 01/13/2025

Lab Number : 161

Results For : BRYCE ANDERSON
Sample ID : BOOT HILL
Description : HAY

	Analysis As Received	Analysis Dry Basis
Moisture, %	16.69	0.00
Dry Matter, %	83.31	100.00
PROTEIN		
Crude Protein, %	4.8	5.8
FIBERS		
Acid Detergent Fiber, %	33.3	40.0
Neutral Detergent Fiber, %	50.7	60.9
NDFD (digestibility) 48 hr, % of NDF		58
IVTDMD (in vitro true digestibility) 48 hr, %	61.7	74.0
ENERGIES		
TDN Est., %	44.2	53.1
Net Energy Lact, MCal/lb	0.4458	0.5351
Net Energy Maint, MCal/lb	0.4045	0.4855
Net Energy Gain, MCal/lb	0.1950	0.2341
QUALITY VALUE		
Relative Feed Value		88
Relative Forage Quality		84
MINERALS		
Calcium, % Ca	0.19	0.23
Phosphorus, % P	0.18	0.22
Potassium, % K	2.10	2.52
Magnesium, % Mg	0.14	0.17
Ash, %	8.19	9.83
OTHER ANALYSIS		
*Nitrate, ppm NO ₃ -N		122
Safety Level	Safe	
Fat, %	1.6	2.0
Starch, %	2.8	3.4
Lignin, %	3.07	3.68
Non Fiber Carbohydrates, %	17.9	21.5
Ethanol-Soluble Carbohydrates, %	9.1	10.9

[Click here for Report Interpretation](#)

Reviewed By : Rebecca Kern

1/14/2025

Copy : 1

Page 1 of 2



Ag Testing - Consulting

Account No. : 30869

NIR Analysis Report

ANDERSON, BRYCE
11653 742 RD
HOLDREGE

Lot 6
NE 68949

Invoice No. : 1439242
Date Received : 01/09/2025
Date Reported : 01/13/2025

Lab Number : 161

Results For : BRYCE ANDERSON
Sample ID : BOOT HILL
Description : HAY

	Analysis As Received	Analysis Dry Basis
Water-Soluble Carbohydrates, %	10.4	12.5
*-Result By Wet Chemistry		

Reviewed By : Rebecca Kern

1/14/2025

Copy : 1

Page 2 of 2

Bus: 308-234-2418
Fax: 308-234-1940

web site
www.wardlab.com

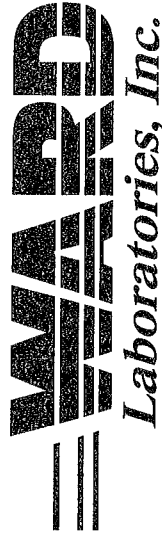
4007 Cherry Ave., P.O. Box 788
Kearney, Nebraska 68848-0788

Remit To: Ward Laboratories, Inc

PO Box 788

Kearney, Nebraska 68848-0788

1-800-887-7645



Invoice No.: 1439242

Date Reported: 01/13/2025

Ag Testing - Consulting

Bill To Account No.: 30869

Account No.: 30869

ANDERSON, BRYCE
11653 742 RD
HOLDREGE

ANDERSON, BRYCE
11653 742 RD
HOLDREGE

Terms: Net 30
Please Include Invoice Number on Checks.

NE 68949

NE 68949

Results For	Test	Count	Price	Gross Amount	Discount	Net Amount
BRYCE ANDERSON	30201 - NIRS RFV+RFQ+NO3	4	\$26.50	\$106.00	\$0.00	\$106.00
Total Samples : 4		NIR Sample(s) Sub-Total		\$106.00	\$0.00	\$106.00
		Total Sample Cost :		\$106.00	\$0.00	\$106.00
		Prepaid Postage Cost :			\$0.00	\$0.00
		Total Invoice :				\$106.00

Please note: You will be charged a fee of \$20 for each Overdraft or Returned Item created by check, ACH or other electronic means.

Page 1 of 1

Bus: 308-234-2418

Fax: 308-234-1940

web site

www.wardlab.com

4007 Cherry Ave., P.O. Box 788

Kearney, Nebraska 68848-0788