

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 0472  
 SAMPLE TYPE Alfalfa  
 SAMPLE ID Pivot S3  
 DATE PROCESSED 11/14/2022



Heber Valley SSD  
 PO Box 427  
 Midway, UT 84049

#### ---ANALYSIS---

	<u>AS RECEIVED BASIS</u>	<u>DRY MATTER BASIS</u>
MOISTURE %	9.67	0.00
DRY MATTER %	90.3	100
CRUDE PROTEIN %	20.7	23.0
ACID DET. FIBER %	22.3	24.6
NEUT. DET. FIBER %	27.4	30.4
TDN%	59.4	65.8
NE/LACTATION,MCAL/LB	0.68	0.75
NE/MAINTENANCE,MCAL/LB	0.61	0.68
NE/GAIN,MCAL/LB	0.37	0.41
RELATIVE FEED VALUE (RFV)		221
<b><u>MINERALS</u></b>		
CALCIUM (CA) %	1.66	1.84
PHOSPHORUS (P) %	0.29	0.32
POTASSIUM (K) %	1.74	1.93
MAGNESIUM (MG) %	0.35	0.39

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 0473  
 SAMPLE TYPE Alfalfa  
 SAMPLE ID Pivot N3  
 DATE PROCESSED 11/14/2022



PROUDLY USING  
NIRSC EQUATIONS

Heber Valley SSD  
 PO Box 427  
 Midway, UT 84049

#### ---ANALYSIS---

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE %	8.86	0.00
DRY MATTER %	91.1	100
CRUDE PROTEIN %	22.1	24.3
ACID DET. FIBER %	18.5	20.3
NEUT. DET. FIBER %	22.4	24.5
TDN%	63.4	69.5
NE/LACTATION,MCAL/LB	0.73	0.80
NE/MAINTENANCE,MCAL/LB	0.67	0.74
NE/GAIN,MCAL/LB	0.42	0.46
RELATIVE FEED VALUE (RFV)		289
<b><u>MINERALS</u></b>		
CALCIUM (CA) %	1.56	1.71
PHOSPHORUS (P) %	0.31	0.34
POTASSIUM (K) %	2.08	2.28
MAGNESIUM (MG) %	0.33	0.36

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### NIR ANALYSIS REPORT

SAMPLE NUMBER 0474  
 SAMPLE TYPE Alfalfa  
 SAMPLE ID Pivot 2  
 DATE PROCESSED 11/14/2022



Heber Valley SSD  
 PO Box 427  
 Midway, UT 84049

---ANALYSIS---

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE %	10.1	0.00
DRY MATTER %	89.9	100
CRUDE PROTEIN %	22.8	25.4
ACID DET. FIBER %	18.2	20.3
NEUT. DET. FIBER %	22.8	25.4
TDN%	63.7	70.8
NE/LACTATION, MCAL/LB	0.72	0.80
NE/MAINTENANCE, MCAL/LB	0.67	0.75
NE/GAIN, MCAL/LB	0.43	0.48
RELATIVE FEED VALUE (RFV)		286
<b><u>MINERALS</u></b>		
CALCIUM (CA) %	1.49	1.66
PHOSPHORUS (P) %	0.30	0.33
POTASSIUM (K) %	1.84	2.05
MAGNESIUM (MG) %	0.32	0.36

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

# Invoice

## USU Analytical Labs

9400 Old Main Hill  
Utah State University  
Logan, Utah 84322-9400  
(435) 797-2217  
(435) 797-2117 (FAX)

Date Billed: 11/10/2022  
Date Paid:

Invoice Number: 2203-0472

Name Heber Valley Special Service District  
Address PO Box 427  
Midway UT 84049

Account #  
Check #  
Cash  
Credit Card #

Laboratory Numbers	Quantity	Description	Price	Code	Amount
2203-0472 - 2203-0474	3	NIR	20.00	8A	60.00

Total Due: 60.00  
Amount Paid:  
Balance: 60.00

PAYMENT CAN BE BY CHECK OR CREDIT CARD (VISA, MASTERCARD, OR DISCOVER) BY PHONE (435-797-2217) OR ONLINE (soiltest.usu.edu).

PLEASE MAKE CHECK PAYABLE TO: USU Analytical Laboratories

PLEASE NOTE: Late fees will be assessed after the first reminder. After three reminders, your bill will be sent to a collection agency, with additional fees (up to 50% additional) assessed.