

Analysis performed by:



730 Warren Road
Ithaca, NY 14850
1-877-819-4110
www.equi-analytical.com

Lab Sample No: 28821320

Page 1 of 1

Analyzed for:

KEVIN RICHARDS -
3459 SE BALDWIN DR
MADRAS, OR 97741

Lab Desc: 103
Date Sampled:
Date Received: 10/03/2022
Date Printed: 10/04/2022
Description 1: FHR OD1
Description 2:
Statement ID: BLUEGRASS

Visit our website www.equi-analytical.com for information on interpreting and using your results.

Results

% Moisture 7.2
% Dry Matter 92.8

	As Sampled		Dry Matter	
	%	g/lb.	%	g/lb.
Digestible Energy (DE), Mcal/lb		.82		.88
Crude Protein	8.4	38.1	9.1	41.1
Estimated Lysine	.29	1.3	.32	1.4
Lignin	2.3	10.4	2.5	11.2
Acid Detergent Fiber (ADF)	38.5	174.8	41.5	188.4
Neutral Detergent Fiber (aNDF)	58.1	263.4	62.6	283.8
WSC (Water Sol. Carbs.)	8.5	38.7	9.2	41.7
ESC (Simple Sugars)	5.8	26.4	6.3	28.5
Starch	.5	2.1	.5	2.2
Non Fiber Carb. (NFC)	15.2	68.9	16.4	74.3
Crude Fat	2.2	9.9	2.4	10.7
Ash	9.0	40.7	9.7	43.8
	%	g/lb.	%	g/lb.
Calcium	.29	1.29	.31	1.39
Phosphorus	.24	1.07	.25	1.15
Magnesium	.14	.64	.15	.69
Potassium	2.27	10.30	2.45	11.10
Sodium	.012	.053	.013	.057
	ppm	mg/lb.	ppm	mg/lb.
Iron	114	52	123	56
Zinc	18	8	19	9
Copper	5	2	6	3
Manganese	46	21	50	23
Molybdenum	.3	.1	.3	.1
	As Fed		100% Dry	
RFV			84	

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Lab Sample No: 28821330

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Analyzed for:

KEVIN RICHARDS -
3459 SE BALDWIN DR
MADRAS, OR 97741

Lab Desc: 103
Date Sampled:
Date Received: 10/03/2022
Date Printed: 10/04/2022
Description 1: FHR OD2
Description 2:
Statement ID: BLUEGRASS

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Results

% Moisture	6.2
% Dry Matter	93.8

	As Sampled		Dry Matter	
	%	g/lb.	%	g/lb.
Digestible Energy (DE), Mcal/lb		.84		.89
Crude Protein	8.2	37.0	8.7	39.4
Estimated Lysine	.28	1.3	.30	1.4
Lignin	3.4	15.4	3.6	16.4
Acid Detergent Fiber (ADF)	38.8	176.2	41.4	187.8
Neutral Detergent Fiber (aNDF)	58.6	265.8	62.5	283.3
WSC (Water Sol. Carbs.)	6.8	30.9	7.3	33.0
ESC (Simple Sugars)	4.4	20.2	4.7	21.5
Starch	.4	1.7	.4	1.8
Non Fiber Carb. (NFC)	16.3	74.0	17.4	78.9
Crude Fat	2.1	9.4	2.2	10.0
Ash	8.7	39.4	9.3	42.0
	%	g/lb.	%	g/lb.
Calcium	.34	1.52	.36	1.62
Phosphorus	.21	.96	.22	1.02
Magnesium	.14	.63	.15	.67
Potassium	2.52	11.42	2.68	12.17
Sodium	.033	.150	.035	.160
	ppm	mg/lb.	ppm	mg/lb.
Iron	104	47	111	50
Zinc	12	6	13	6
Copper	5	2	5	2
Manganese	22	10	23	11
Molybdenum	.5	.2	.6	.3
	As Fed		100% Dry	
RFV			84	

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Lab Sample No: 28821770

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Analyzed for:

KEVIN RICHARDS -
3459 SE BALDWIN DR
MADRAS, OR 97741

Lab Desc: 103
Date Sampled:
Date Received: 10/03/2022
Date Printed: 10/04/2022
Description 1: FHR TEFF #1 SEPT 22
Description 2:
Statement ID: TEFF

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Results

% Moisture 7.9
% Dry Matter 92.1

	As Sampled		Dry Matter	
	%	g/lb.	%	g/lb.
Digestible Energy (DE), Mcal/lb		.87		.95
Crude Protein	16.1	73.0	17.5	79.3
Estimated Lysine	.56	2.5	.61	2.8
Lignin	3.1	14.1	3.4	15.3
Acid Detergent Fiber (ADF)	28.7	130.0	31.1	141.3
Neutral Detergent Fiber (aNDF)	49.0	222.5	53.3	241.7
WSC (Water Sol. Carbs.)	9.1	41.4	9.9	45.0
ESC (Simple Sugars)	6.9	31.4	7.5	34.1
Starch	.2	1.1	.3	1.2
Non Fiber Carb. (NFC)	13.0	58.9	14.1	64.0
Crude Fat	3.1	14.0	3.4	15.2
Ash	10.8	49.1	11.8	53.3
	%	g/lb.	%	g/lb.
Calcium	.44	2.00	.48	2.17
Phosphorus	.40	1.82	.44	1.98
Magnesium	.27	1.22	.29	1.33
Potassium	3.11	14.09	3.37	15.31
Sodium	.157	.713	.171	.774
	ppm	mg/lb.	ppm	mg/lb.
Iron	150	68	163	74
Zinc	32	15	35	16
Copper	10	5	11	5
Manganese	47	21	51	23
Molybdenum	.6	.3	.7	.3
RFV	As Fed		100% Dry	113

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Lab Sample No: 28821780

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3459 SE BALDWIN DR
MADRAS, OR 97741

Lab Desc: 103
Date Sampled:
Date Received: 10/03/2022
Date Printed: 10/04/2022
Description 1: FHR TEFF #2 SEPT 22
Description 2:
Statement ID: TEFF

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Results

% Moisture 6.7
% Dry Matter 93.3

	As Sampled		Dry Matter	
	%	g/lb.	%	g/lb.
Digestible Energy (DE), Mcal/lb		.83		.89
Crude Protein	15.5	70.4	16.6	75.5
Estimated Lysine	.54	2.5	.58	2.6
Lignin	3.3	15.1	3.6	16.2
Acid Detergent Fiber (ADF)	32.5	147.2	34.8	157.8
Neutral Detergent Fiber (aNDF)	55.4	251.5	59.4	269.5
WSC (Water Sol. Carbs.)	6.8	30.8	7.3	33.0
ESC (Simple Sugars)	5.2	23.4	5.5	25.1
Starch	.2	.8	.2	.9
Non Fiber Carb. (NFC)	10.7	48.6	11.5	52.1
Crude Fat	2.1	9.3	2.2	10.0
Ash	9.6	43.4	10.3	46.5
	%	g/lb.	%	g/lb.
Calcium	.52	2.34	.55	2.51
Phosphorus	.35	1.58	.37	1.70
Magnesium	.36	1.62	.38	1.73
Potassium	2.09	9.46	2.23	10.14
Sodium	.126	.569	.135	.610
	ppm	mg/lb.	ppm	mg/lb.
Iron	146	66	156	71
Zinc	41	19	44	20
Copper	11	5	12	6
Manganese	33	15	35	16
Molybdenum	1.2	.6	1.3	.6
	As Fed		100% Dry	
RFV			97	