

Sympson, William

From: Peake, Jesse M.
Sent: Tuesday, December 3, 2024 1:47 PM
To: Sympson, William
Subject: Fw: Forage Reports
Attachments: UK01-16.pdf

Total	892					sample
Big Hoop Shed Becky Sue	68lb	round bales 700	grass hay	July 2024.	south end of barn	1
Big Hoop Shed Becky Sue	310lb	round bales 700	grass hay	June 2024.	north end of barn	2,3,4,5,6,7
Big Hoop Shed Becky Sue	52lbs	round bales 650	corn fodder	Oct. 2024.	out side east side of barn	
Upper Shed becky Sue	176lb	round bales 700	grass hay	June 2024.	(only 176 bales) not all of barn	8,9,10
Upper hoop at garden	242lbs	round bales 700	grass hay	June 2023.	some damage from storm	11,12,13,14,15
Lower hoop shed at garden	44lbs	round bales 700	grass hay	June 2023.	east end of barn north wall	16

From: Peake, Jesse M. <jessepeake@uky.edu>
Sent: Tuesday, December 3, 2024 12:40 PM
To: Zانونe, Stephen R. <szانونe@uky.edu>
Subject: Fw: Forage Reports

From: Field, Kimberly (AGR) <kimberly.field@ky.gov>
Sent: Tuesday, December 3, 2024 11:23 AM

KENTUCKY DEPT OF AGRICULTURE
FORAGE TESTING PROGRAM
111 CORPORATE DRIVE
FRANKFORT, KENTUCKY 40601
1-800-248-4628

NIR ANALYSIS REPORT

Sample Number: 01375
Sample Type: gh
Sample ID: UK Main Chance OJ
Sample Date: 11/12/2024 11:12:59AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	9.44	0.00
DRY MATTER,%	90.56	100.00
CRUDE PROTEIN, %	11.34	12.52
AVAILABLE PROTEIN, %	13.15	14.52
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	30.41	33.58
NEUT. DET. FIBER,%	52.69	58.18
TDN EST.,%	52.51	57.99
NE/LACT,MCAL/LB	0.53	0.58
ENE EST.,THERMS/CWT	43.48	48.01
NE/MAINT,MCAL/LB	0.51	0.57
NE/GAIN,MCAL/LB	0.28	0.31
RELATIVE FEED VALUE (RFV)		100.30

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Big Hoop Shed Becky Sue	310 lb	round bales 700	grass hay	June 2024.	north end of barn	2,3,4,5,6,7
Big Hoop Shed Becky Sue	52 lbs	round bales 650	corn foder	Oct. 2024,.	out side east side of barn	
Med Hoop Shed becky Sue	176 lb	round bales 700	grass hay	June 2024.	(only 176 bales) not all of barn	8,9,10
Upper hoop at garden	242 lbs	round bales 700	grass hay	June 2023.	some damage from storm	11,12,13,14,15
Lower hoop shed at garden	44 lbs	round bales 700	grass hay	June 2023,	east end of barn north wall	16

From: Peake, Jesse M. <jessepeake@uky.edu>
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To: Zalone, Stephen R. <szalone@uky.edu>
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111 CORPORATE DRIVE
FRANKFORT, KENTUCKY 40601
1-800-248-4628

NIR ANALYSIS REPORT

Sample Number: 01376
Sample Type: gh
Sample ID: UK Main Chance Farm 02
Sample Date: 11/12/2024 11:14:32AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	12.04	0.00
DRY MATTER,%	87.96	100.00
CRUDE PROTEIN, %	6.95	7.90
AVAILABLE PROTEIN, %	8.06	9.17
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	34.05	38.71
NEUT. DET. FIBER,%	55.98	63.64
TDN EST.,%	45.18	51.37
NE/LACT,MCAL/LB	0.44	0.50
ENE EST..THERMS/CWT	36.64	41.65
NE/MAINT,MCAL/LB	0.41	0.46
NE/GAIN,MCAL/LB	0.19	0.21
RELATIVE FEED VALUE (RFV)		85.86

KENTUCKY DEPT OF AGRICULTURE
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NIR ANALYSIS REPORT

Sample Number: 01377
Sample Type: gh
Sample ID: UK Main Chance Farm 03
Sample Date: 11/12/2024 11:16:11AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	10.13	0.00
DRY MATTER,%	89.87	100.00
CRUDE PROTEIN, %	7.21	8.02
AVAILABLE PROTEIN, %	8.36	9.31
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	34.54	38.43
NEUT. DET. FIBER,%	56.94	63.36
TDN EST.,%	46.50	51.74
NE/LACT,MCAL/LB	0.46	0.51
ENE EST.,THERMS/CWT	37.76	42.01
NE/MAINT,MCAL/LB	0.42	0.47
NE/GAIN,MCAL/LB	0.20	0.22
RELATIVE FEED VALUE (RFV)		86.57

KENTUCKY DEPT OF AGRICULTURE
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NIR ANALYSIS REPORT

Sample Number: 01378
Sample Type: gh
Sample ID: UK Main Chance Farm 04
Sample Date: 11/12/2024 11:18:43AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE, %	11.22	0.00
DRY MATTER, %	88.78	100.00
CRUDE PROTEIN, %	6.97	7.85
AVAILABLE PROTEIN, %	8.08	9.11
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER, %	35.57	40.07
NEUT. DET. FIBER, %	58.01	65.34
TDN EST., %	44.06	49.63
NE/LACT, MCAL/LB	0.43	0.48
ENE EST., THERMS/CWT	35.49	39.98
NE/MAINT, MCAL/LB	0.39	0.43
NE/GAIN, MCAL/LB	0.17	0.19
RELATIVE FEED VALUE (RFV)		82.13

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NIR ANALYSIS REPORT

Sample Number: 01379
Sample Type: gh
Sample ID: UK Main Chance Farm 05
Sample Date: 11/12/2024 11:20:03AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE, %	9.44	0.00
DRY MATTER, %	90.56	100.00
CRUDE PROTEIN, %	6.18	6.82
AVAILABLE PROTEIN, %	7.17	7.91
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER, %	34.25	37.82
NEUT. DET. FIBER, %	56.06	61.90
TDN EST., %	47.57	52.53
NE/LACT, MCAL/LB	0.47	0.52
ENE EST., THERMS/CWT	38.73	42.77
NE/MAINT, MCAL/LB	0.44	0.48
NE/GAIN, MCAL/LB	0.21	0.23
RELATIVE FEED VALUE (RFV)		89.33

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NIR ANALYSIS REPORT

Sample Number: 01380
Sample Type: gh
Sample ID: UK Main Chance Farm 06
Sample Date: 11/12/2024 11:21:29AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE, %	10.54	0.00
DRY MATTER, %	89.46	100.00
CRUDE PROTEIN, %	7.44	8.32
AVAILABLE PROTEIN, %	8.63	9.65
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER, %	36.73	41.06
NEUT. DET. FIBER, %	57.49	64.26
TDN EST., %	43.25	48.35
NE/LACT, MCAL/LB	0.42	0.47
ENE EST., THERMS/CWT	34.67	38.75
NE/MAINT, MCAL/LB	0.37	0.41
NE/GAIN, MCAL/LB	0.15	0.17
RELATIVE FEED VALUE (RFV)		82.40

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NIR ANALYSIS REPORT

Sample Number: 01381
Sample Type: gh
Sample ID: UK Main Chance Farm 07
Sample Date: 11/12/2024 11:22:42AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	10.98	0.00
DRY MATTER,%	89.02	100.00
CRUDE PROTEIN, %	8.39	9.42
AVAILABLE PROTEIN, %	9.73	10.93
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	32.42	36.41
NEUT. DET. FIBER,%	52.29	58.73
TDN EST.,%	48.37	54.33
NE/LACT,MCAL/LB	0.48	0.54
ENE EST.,THERMS/CWT	39.62	44.50
NE/MAINT,MCAL/LB	0.45	0.51
NE/GAIN,MCAL/LB	0.23	0.26
RELATIVE FEED VALUE (RFV)		95.87

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Big Hoop Shed Becky Sue	310 lb	round bales 700	grass hay	June 2024.	north end of barn	2,3,4,5,6,7
Big Hoop Shed Becky Sue	52 lbs	round bales 650	corn foder	Oct. 2024,.	out side east side of barn	
Manal Shed becky Sue	176 lb	round bales 700	grass hay	June 2024.	(only 176 bales) not all of barn	8,9,10
Upper hoop at garden	242 lbs	round bales 700	grass hay	June 2023.	some damage from storm	11,12,13,14,15
Lower hoop shed at garden	44 lbs	round bales 700	grass hay	June 2023,	east end of barn north wall	16

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Big Hoop Shed Becky Sue	310 lb	round bales 700	grass hay	June 2024.	north end of barn	2,3,4,5,6,7
Big Hoop Shed Becky Sue	52 lbs	round bales 650	corn fodder	Oct. 2024,.	out side east side of barn	
Metal Shed becky Sue	176 lb	round bales 700	grass hay	June 2024.	(only 176 bales) not all of barn	8,9,10
Upper hoop at garden	242 lbs	round bales 700	grass hay	June 2023.	some damage from storm	11, 12, 13, 14, 15
Lower hoop shed at garden	44 lbs	round bales 700	grass hay	June 2023,	east end of barn north wall	16

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NIR ANALYSIS REPORT

Sample Number: 01382
Sample Type: gh
Sample ID: UK Main Chance Farm 08
Sample Date: 11/12/2024 11:24:15AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	10.98	0.00
DRY MATTER,%	89.02	100.00
CRUDE PROTEIN, %	6.55	7.36
AVAILABLE PROTEIN, %	7.60	8.54
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	37.39	42.00
NEUT. DET. FIBER,%	60.22	67.65
TDN EST.,%	41.95	47.13
NE/LACT,MCAL/LB	0.41	0.45
ENE EST.,THERMS/CWT	33.46	37.58
NE/MAINT,MCAL/LB	0.35	0.39
NE/GAIN,MCAL/LB	0.13	0.15
RELATIVE FEED VALUE (RFV)		77.26

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NIR ANALYSIS REPORT

Sample Number: 01383
Sample Type: gh
Sample ID: UK Main Chance Farm 09
Sample Date: 11/12/2024 11:25:42AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	10.56	0.00
DRY MATTER,%	89.44	100.00
CRUDE PROTEIN, %	6.55	7.33
AVAILABLE PROTEIN, %	7.60	8.50
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	37.27	41.67
NEUT. DET. FIBER,%	60.54	67.69
TDN EST.,%	42.53	47.55
NE/LACT,MCAL/LB	0.41	0.46
ENE EST.,THERMS/CWT	33.97	37.99
NE/MAINT,MCAL/LB	0.36	0.40
NE/GAIN,MCAL/LB	0.14	0.15
RELATIVE FEED VALUE (RFV)		77.56

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NIR ANALYSIS REPORT

Sample Number: 01384
Sample Type: gh
Sample ID: UK Main Chance Farm 10
Sample Date: 11/12/2024 11:27:17AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	13.97	0.00
DRY MATTER,%	86.03	100.00
CRUDE PROTEIN, %	9.95	11.57
AVAILABLE PROTEIN, %	11.55	13.42
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	32.15	37.37
NEUT. DET. FIBER,%	54.30	63.12
TDN EST.,%	45.69	53.11
NE/LACT,MCAL/LB	0.45	0.52
ENE EST.,THERMS/CWT	37.27	43.32
NE/MAINT,MCAL/LB	0.42	0.49
NE/GAIN,MCAL/LB	0.20	0.24
RELATIVE FEED VALUE (RFV)		88.12

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Big Hoop Shed Becky Sue	310 lb	round bales 700	grass hay	June 2024.	north end of barn	2,3,4,5,6,7
Big Hoop Shed Becky Sue	52 lbs	round bales 650	corn foder	Oct. 2024.	out side east side of barn	
Meta Shed becky Sue	176 lb	round bales 700	grass hay	June 2024.	(only 176 bales) not all of barn	8,9,10
Upper hoop at garden	242 lbs	round bales 700	grass hay	June 2023.	some damage from storm	11,12,13,14,15
Lower hoop shed at garden	44 lbs	round bales 700	grass hay	June 2023,	east end of barn north wall	16

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NIR ANALYSIS REPORT

Sample Number: 01385
Sample Type: gh
Sample ID: UK Main Chance Farm 11
Sample Date: 11/12/2024 11:28:42AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	11.84	0.00
DRY MATTER,%	88.16	100.00
CRUDE PROTEIN, %	8.77	9.95
AVAILABLE PROTEIN, %	10.18	11.54
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	35.00	39.70
NEUT. DET. FIBER,%	56.86	64.49
TDN EST.,%	44.17	50.10
NE/LACT,MCAL/LB	0.43	0.49
ENE EST.,THERMS/CWT	35.65	40.43
NE/MAINT,MCAL/LB	0.39	0.44
NE/GAIN,MCAL/LB	0.17	0.19
RELATIVE FEED VALUE (RFV)		83.62

KENTUCKY DEPT OF AGRICULTURE
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NIR ANALYSIS REPORT

Sample Number: 01386
Sample Type: gh
Sample ID: UK Main Chance Farm 12
Sample Date: 11/12/2024 11:30:13AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	12.34	0.00
DRY MATTER,%	87.66	100.00
CRUDE PROTEIN, %	8.37	9.54
AVAILABLE PROTEIN, %	9.71	11.07
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	33.54	38.26
NEUT. DET. FIBER,%	55.49	63.30
TDN EST.,%	45.54	51.95
NE/LACT,MCAL/LB	0.45	0.51
ENE EST.,THERMS/CWT	37.00	42.21
NE/MAINT,MCAL/LB	0.41	0.47
NE/GAIN,MCAL/LB	0.19	0.22
RELATIVE FEED VALUE (RFV)		86.84

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NIR ANALYSIS REPORT

Sample Number: 01387
Sample Type: gh
Sample ID: UK Main Chance Farm 13
Sample Date: 11/12/2024 11:31:27AM

Name:

Address:

County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	12.45	0.00
DRY MATTER,%	87.55	100.00
CRUDE PROTEIN, %	6.67	7.62
AVAILABLE PROTEIN, %	7.74	8.84
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	34.51	39.41
NEUT. DET. FIBER,%	58.99	67.37
TDN EST.,%	44.19	50.47
NE/LACT,MCAL/LB	0.43	0.49
ENE EST.,THERMS/CWT	35.71	40.79
NE/MAINT,MCAL/LB	0.39	0.45
NE/GAIN,MCAL/LB	0.17	0.20
RELATIVE FEED VALUE (RFV)		80.35

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NIR ANALYSIS REPORT

Sample Number: 01388
Sample Type: gh
Sample ID: UK Main Chance Farm 14
Sample Date: 11/12/2024 11:32:42AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	10.00	0.00
DRY MATTER,%	90.00	100.00
CRUDE PROTEIN, %	7.56	8.40
AVAILABLE PROTEIN, %	8.77	9.74
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	34.27	38.08
NEUT. DET. FIBER,%	50.98	56.64
TDN EST.,%	46.97	52.19
NE/LACT,MCAL/LB	0.46	0.51
ENE EST.,THERMS/CWT	38.20	42.44
NE/MAINT,MCAL/LB	0.43	0.48
NE/GAIN,MCAL/LB	0.20	0.22
RELATIVE FEED VALUE (RFV)		97.29

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NIR ANALYSIS REPORT

Sample Number: 01389
Sample Type: gh
Sample ID: UK Main Chance Farm 15
Sample Date: 11/12/2024 11:34:05AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE, %	9.47	0.00
DRY MATTER, %	90.53	100.00
CRUDE PROTEIN, %	7.88	8.70
AVAILABLE PROTEIN, %	9.14	10.09
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER, %	37.07	40.95
NEUT. DET. FIBER, %	57.73	63.76
TDN EST., %	43.89	48.48
NE/LACT, MCAL/LB	0.43	0.47
ENE EST., THERMS/CWT	35.20	38.88
NE/MAINT, MCAL/LB	0.38	0.42
NE/GAIN, MCAL/LB	0.15	0.17
RELATIVE FEED VALUE (RFV)		83.15

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Metal Shed becky Sue	176lb	round bales 700	grass hay	June 2024.	(only 176 bales) not all of barn	8,9,10
Upper hoop at garden		round bales 700	grass hay	June 2023.	some damage from storm	11, 12, 13, 14, 15
Lower hoop shed at garden	44lbs	round bales 700	grass hay	June 2023,	east end of barn north wall	16

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NIR ANALYSIS REPORT

Sample Number: 01390
Sample Type: gh
Sample ID: UK Main Chance Farm 16
Sample Date: 11/12/2024 11:35:33AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	10.30	0.00
DRY MATTER,%	89.70	100.00
CRUDE PROTEIN, %	14.20	15.83
AVAILABLE PROTEIN, %	16.47	18.36
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	30.05	33.50
NEUT. DET. FIBER,%	55.37	61.73
TDN EST.,%	52.11	58.10
NE/LACT,MCAL/LB	0.52	0.58
ENE EST.,THERMS/CWT	43.16	48.12
NE/MAINT,MCAL/LB	0.51	0.57
NE/GAIN,MCAL/LB	0.28	0.31
RELATIVE FEED VALUE (RFV)		94.65

Type	Quantity	Unit	Weight	Tons	Location
Grass	64	167.00	Rolls	750	62.63 Put tobacco barn shed
Grass	68	303.00	Large Square	750	113.63 beef unit hoop barn
Str	1,850.00	Small Square	40	40	27.00 EQ Shed/tobacco barn
Alfalfa	5	30.00	2 Pack	350	17.18 Vet Science Hay Shed Bay 2
Alfalfa	A1	69.00	Rolls	750	25.88 New hay shed Bay 2&7
Grass	63	38.00	Rolls	750	14.25 Bay 5 new shed
Grass	62	72.00	Rolls	750	27.00 Bay 6 new shed
Alfalfa	A2	30.00	2 Pack	750	11.25 Tobacco barn Shed sheep old hay
Grass	66	40.00	Large Square	750	15.00 Tobacco barn Driveway
Grass	65	143.00	Rolls	750	53.63 Tobacco barn Driveway

*Sold to
Sheep Unit*

KENTUCKY DEPT OF AGRICULTURE
FORAGE TESTING PROGRAM
111 CORPORATE DRIVE
FRANKFORT, KENTUCKY 40601
1-800-248-4628

NIR ANALYSIS REPORT

Sample Number: 01442
Sample Type: gh
Sample ID: uk g5 s1 - 07
Sample Date: 11/26/2024 10:13:32AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	10.89	0.00
DRY MATTER,%	89.11	100.00
CRUDE PROTEIN, %	6.35	7.12
AVAILABLE PROTEIN, %	7.36	8.26
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	36.31	40.74
NEUT. DET. FIBER,%	59.78	67.09
TDN EST.,%	43.44	48.75
NE/LACT.MCAL/LB	0.42	0.47
ENE EST..THERMS/CWT	34.88	39.14
NE/MAINT.MCAL/LB	0.37	0.42
NE/GAIN.MCAL/LB	0.15	0.17
RELATIVE FEED VALUE (RFV)		79.26

KENTUCKY DEPT OF AGRICULTURE
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1-800-248-4628

NIR ANALYSIS REPORT

Sample Number: 01443
Sample Type: gh
Sample ID: uk g5 s2 - 08
Sample Date: 11/26/2024 10:15:09AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	11.52	0.00
DRY MATTER,%	88.48	100.00
CRUDE PROTEIN, %	6.90	7.80
AVAILABLE PROTEIN, %	8.00	9.04
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	35.83	40.50
NEUT. DET. FIBER,%	57.91	65.45
TDN EST.,%	43.42	49.07
NE/LACT,MCAL/LB	0.42	0.48
ENE EST.,THERMS/CWT	34.90	39.45
NE/MAINT,MCAL/LB	0.38	0.43
NE/GAIN,MCAL/LB	0.16	0.18
RELATIVE FEED VALUE (RFV)		81.51

Type	Quantity	Unit	Weight	Tons	Location
Grass	64	167.00 Roll	750	62.63	Put tobacco barn shed
Grass	60	303.00 Large Square	750	110.63	beef unit hoop barn
Straw	1,850.00	Small Square	40	37.00	EQ Shed/tobacco barn
Alfalfa	5	30.00 2 Pack	350	17.18	vet science Ho, Shed Bay 2
Alfalfa	A1	60.00 Rolls	750	25.88	New hay shed Bay 2&7
Grass	63	58.00 Rolls	750	14.25	Bay 5 new shed
Grass	62	72.00 Rolls	750	27.00	Bay 6 new shed
Alfalfa	A7	30.00 2 Pack	750	11.25	Tobacco barn Shed sheep old hay
Grass	66	40.00 Large Square	750	15.00	Tobacco barn Driveway
Grass	65	143.00 Balls	750	53.63	Tobacco barn Driveway

*Sold to
Sheep Unit*

KENTUCKY DEPT OF AGRICULTURE
FORAGE TESTING PROGRAM
111 CORPORATE DRIVE
FRANKFORT, KENTUCKY 40601
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NIR ANALYSIS REPORT

Sample Number: 01444
Sample Type: gh
Sample ID: uk g6 - 09
Sample Date: 11/26/2024 10:17:03AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE, %	11.65	0.00
DRY MATTER, %	88.35	100.00
CRUDE PROTEIN, %	8.87	10.04
AVAILABLE PROTEIN, %	10.29	11.65
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER, %	34.68	39.25
NEUT. DET. FIBER, %	53.72	60.80
TDN EST., %	44.78	50.68
NE/LACT. MCAL/LB	0.44	0.50
ENE EST.. THERMS/CWT	36.22	40.99
NE/MAINT. MCAL/LB	0.40	0.45
NE/GAIN. MCAL/LB	0.18	0.20
RELATIVE FEED VALUE (RFV)		89.23

Type	Quantity	Unit	Weight	Tons	Location
Grass <i>G1</i>	167.00	Rolls	750	62.63	Put tobacco barn shed
Grass <i>G2</i>	303.00	Large Square	750	113.63	beer unit hoop barn
Straw	1,850.00	Small Square	48	37.90	EQ shed/tobacco barn
Alfalfa <i>A1</i>	30.00	2 Pack	750	17.10	Vet Science Hay Shed Bay 2
Alfalfa <i>A1</i>	60.00	Rolls	750	25.88	New hay shed Bay 2&7
Grass <i>G3</i>	38.00	Rolls	750	14.25	Bay 5 new shed
Grass <i>G2</i>	72.00	Rolls	750	27.00	Bay 6 new shed
Alfalfa <i>A7</i>	30.00	2 Pack	750	11.25	Tobacco barn Shed sheep old hay
Grass <i>G4</i>	40.00	Large Square	750	15.00	Tobacco barn Bay
Grass <i>G5</i>	143.00	Rolls	750	63.63	Tobacco barn Bay

*Sold to
Sheep Unit*

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FRANKFORT, KENTUCKY 40601
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NIR ANALYSIS REPORT

Sample Number: 01437
Sample Type: mh
Sample ID: uk a7 02
Sample Date: 11/26/2024 9:46:46AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	13.17	0.00
DRY MATTER,%	86.83	100.00
CRUDE PROTEIN, %	15.80	18.20
AVAILABLE PROTEIN, %	17.35	19.98
HEAT DAM. PROTEIN, %	0.61	0.70
ACID DET. FIBER,%	31.02	35.72
NEUT. DET. FIBER,%	40.25	46.36
TDN EST.,%	49.96	57.54
NE/LACT,MCAL/LB	0.50	0.58
ENE EST.,THERMS/CWT	41.31	47.58
NE/MAINT,MCAL/LB	0.48	0.56
NE/GAIN,MCAL/LB	0.26	0.30
RELATIVE FEED VALUE (RFV)		122.54

Type	Quantity	Unit	Weight	Tons	Location
Grass	61	167.00	Rolls	750	62.63 Put tobacco barn shed
Grass	68	303.00	Large Square	750	413.83 beef unit hoop barn
Straw	1,850.00	Small Square	40	37.00	EQ Shed/tobacco barn
Alfalfa	51	30.00	2 Pack	950	17.18 Vet Science Hq. Shed
Alfalfa	A1	69.00	Rolls	750	23.88 New Hay shed Bay2&7
Grass	63	38.00	Rolls	750	14.25 Bay 5 new shed
Grass	G2	72.00	Rolls	750	27.00 Bay 6 new shed
Alfalfa	A7	30.00	2 Pack	750	11.25 Tobacco barn Shed sheep old hay
Grass	64	40.00	Large Square	750	19.00 Tobacco barn Drive way
Grass	65	142.00	Rolls	750	53.63 Tobacco barn Drive way

Sold to
Sheep Unit

KENTUCKY DEPT OF AGRICULTURE
FORAGE TESTING PROGRAM
111 CORPORATE DRIVE
FRANKFORT, KENTUCKY 40601
1-800-248-4628

NIR ANALYSIS REPORT

Sample Number: 01438
Sample Type: gh
Sample ID: uk g2 03
Sample Date: 11/26/2024 9:53:39AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	10.88	0.00
DRY MATTER,%	89.12	100.00
CRUDE PROTEIN, %	7.42	8.32
AVAILABLE PROTEIN, %	8.60	9.65
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	33.07	37.11
NEUT. DET. FIBER,%	55.81	62.62
TDN EST.,%	47.62	53.44
NE/LACT,MCAL/LB	0.47	0.53
ENE EST..THERMS/CWT	38.89	43.64
NE/MAINT.MCAL/LB	0.44	0.49
NE/GAIN,MCAL/LB	0.22	0.24
RELATIVE FEED VALUE (RFV)		89.12

Type	Quantity	Unit	Weight	Tons	Location
Grass	64	167.00	Rolls	750	62.63 Put tobacco barn shed
Grass	60	303.00	Large square	750	113.63 beef unit hoop barn
Straw	1,850.00	Small square	40	37.00	EQ Shed/tobacco barn
Alfalfa	5	36.00	2 Pack	930	17.18 Vet Science Hay Shed Bay 2
Alfalfa	A1	69.00	Rolls	750	29.88 New hay shed Bay2&7
Grass	G3	38.00	Rolls	750	14.25 Bay 5 new shed
	G2	72.00	Rolls	750	27.00 Bay 6 new shed
Alfalfa	A7	30.00	2 Pack	750	11.25 Tobacco barn shed
Grass	64	40.00	Large square	750	15.00 Tobacco barn Driveway
Grass	65	143.00	Rolls	750	53.63 Tobacco barn Driveway

Sold to
Sheep Unit

sheep old hay

KENTUCKY DEPT OF AGRICULTURE
FORAGE TESTING PROGRAM
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FRANKFORT, KENTUCKY 40601
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NIR ANALYSIS REPORT

Sample Number: 01439
Sample Type: gh
Sample ID: uk g3 - 04
Sample Date: 11/26/2024 9:55:08AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	11.75	0.00
DRY MATTER,%	88.25	100.00
CRUDE PROTEIN, %	7.61	8.62
AVAILABLE PROTEIN, %	8.83	10.00
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	33.87	38.38
NEUT. DET. FIBER,%	57.10	64.71
TDN EST.,%	45.71	51.79
NE/LACT,MCAL/LB	0.45	0.51
ENE EST.,THERMS/CWT	37.12	42.06
NE/MAINT.MCAL/LB	0.41	0.47
NE/GAIN.MCAL/LB	0.19	0.22
RELATIVE FEED VALUE (RFV)		84.82

Type	Quantity	Unit	Weight	Tons	Location
Grass	14	167.00	Rolls	750	62.65 Pat tobacco barn shed
Grass	68	303.00	Large Square	750	118.68 beef barn hoop barn
Straw	1,850.00	Small Square	40	37.00	EQ shed/tobacco barn
Alfalfa	5	30.00	2 Pack	750	17.18 Vet Science Hq. Shed Bay 2
Alfalfa	A1	69.00	Rolls	750	25.88 New hay shed Bay2&7
Grass	62	38.00	Rolls	750	14.25 Bay 5 new shed
Grass	62	72.00	Rolls	750	27.00 Bay 6 new shed
Alfalfa	A2	30.00	2 Pack	750	11.25 Tobacco barn shed
Grass	62	40.00	Large Square	750	15.00 Tobacco barn Driveway
Grass	65	143.00	Rolls	750	52.62 Tobacco barn Driveway

Sold to
Sheep Unit

sheep old hay

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FORAGE TESTING PROGRAM
111 CORPORATE DRIVE
FRANKFORT, KENTUCKY 40601
1-800-248-4628

NIR ANALYSIS REPORT

Sample Number: 01436
Sample Type: mh
Sample ID: uk a1 O1
Sample Date: 11/26/2024 9:45:27AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE, %	11.27	0.00
DRY MATTER, %	88.73	100.00
CRUDE PROTEIN, %	12.48	14.07
AVAILABLE PROTEIN, %	13.59	15.32
HEAT DAM. PROTEIN, %	0.55	0.62
ACID DET. FIBER, %	34.85	39.28
NEUT. DET. FIBER, %	43.58	49.11
TDN EST., %	47.50	53.53
NE/LACT, MCAL/LB	0.47	0.53
ENE EST., THERMS/CWT	38.80	43.73
NE/MAINT, MCAL/LB	0.44	0.50
NE/GAIN, MCAL/LB	0.22	0.24
RELATIVE FEED VALUE (RFV)		110.43

Type	Quantity	Unit	Weight	Tons	Location
Grass	61	167.00	Rolls	750	62.63 Put tobacco barn shed
Grass	68	303.00	Large Square	750	113.63 beef unit hoop barn
Straw	1,850.00	Small Square	40	37.00	EQ Shed/tobacco barn
Alfalfa	51	30.00	2 Pack	350	17.16 Vet Science Hwy, Shed Bay 2
Alfalfa	A1	69.00	Rolls	750	25.88 New hay shed Bay2&7
Grass	63	38.00	Rolls	750	14.25 Bay 5 new shed
Grass	62	72.00	Rolls	750	27.00 Bay 6 new shed
Alfalfa	A2	30.00	2 Pack	750	11.25 Tobacco barn shed sheep old hay
Grass	66	40.00	Large Square	750	15.00 Tobacco barn Driveway
Grass	65	143.00	Rolls	750	53.63 Tobacco barn Driveway

*Sold to
Sheep Unit*

Type	Quantity	Unit	Weight	Tons	Location
Grass 64	167.00	Rolls	750	32.05	Tobacco barn
Grass 68	303.00	Large Square	750	113.63	beef unit hoop barn
Straw	1,858.00	Small Square	40	37.00	EQ Shed/Tobacco barn
Alfalfa 5	20.00	2 Pack	750	17.18	Vet Science Hay Shed
Alfalfa A1	69.00	Rolls	750	25.88	New hay shed
Grass 69	38.00	Rolls	750	14.25	Bay 5 new shed
Grass 62	72.00	Rolls	750	27.00	Bay 6 new shed
Alfalfa A7	30.00	2 Pack	750	11.25	Tobacco barn shed
Grass 66	40.00	Large Square	750	15.00	Tobacco barn Driveway
Grass 65	143.00	Rolls	750	55.63	Tobacco barn Driveway

*Sold to
Sheep Unit*

sheep old hay

KENTUCKY DEPT OF AGRICULTURE
FORAGE TESTING PROGRAM
111 CORPORATE DRIVE
FRANKFORT, KENTUCKY 40601
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NIR ANALYSIS REPORT

Sample Number: 01445
Sample Type: gh
Sample ID: uk g8 s1 - 10
Sample Date: 11/26/2024 10:18:26AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE, %	12.32	0.00
DRY MATTER, %	87.68	100.00
CRUDE PROTEIN, %	8.15	9.30
AVAILABLE PROTEIN, %	9.46	10.79
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER, %	35.57	40.56
NEUT. DET. FIBER, %	55.30	63.07
TDN EST., %	42.95	48.98
NE/LACT. MCAL/LB	0.42	0.48
ENE EST., THERMS/CWT	34.52	39.36
NE/MAINT. MCAL/LB	0.37	0.42
NE/GAIN. MCAL/LB	0.15	0.18
RELATIVE FEED VALUE (RFV)		84.52

KENTUCKY DEPT OF AGRICULTURE
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NIR ANALYSIS REPORT

Sample Number: 01446
Sample Type: gh
Sample ID: uk g8 s2 -11
Sample Date: 11/26/2024 10:19:48AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE, %	12.15	0.00
DRY MATTER, %	87.85	100.00
CRUDE PROTEIN, %	7.10	8.08
AVAILABLE PROTEIN, %	8.24	9.37
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER, %	35.76	40.70
NEUT. DET. FIBER, %	58.81	66.95
TDN EST., %	42.88	48.81
NE/LACT, MCAL/LB	0.42	0.47
ENE EST., THERMS/CWT	34.43	39.19
NE/MAINT, MCAL/LB	0.37	0.42
NE/GAIN, MCAL/LB	0.15	0.17
RELATIVE FEED VALUE (RFV)		79.47

KENTUCKY DEPT OF AGRICULTURE
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111 CORPORATE DRIVE
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NIR ANALYSIS REPORT

Sample Number: 01447
Sample Type: gh
Sample ID: uk g8 s3 - 12
Sample Date: 11/26/2024 10:21:12AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	11.81	0.00
DRY MATTER,%	88.19	100.00
CRUDE PROTEIN, %	7.51	8.63
AVAILABLE PROTEIN, %	8.83	10.01
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	36.54	41.44
NEUT. DET. FIBER,%	58.42	66.24
TDN EST.,%	42.21	47.86
NE/LACT,MCAL/LB	0.41	0.46
ENE EST.,THERMS/CWT	33.76	38.28
NE/MAINT,MCAL/LB	0.36	0.41
NE/GAIN,MCAL/LB	0.14	0.16
RELATIVE FEED VALUE (RFV)		79.52

Type	Quantity	Unit	Weight	Tons	Location
Grass	64	167.00	Rolls	750	62.63 Put tobacco barn shed
Grass	60	303.00	Large Square	750	112.63 beef with sheep barn
Straw		1,850.00	Small Square	40	57.00 EQ Shed/tobacco barn
Alfalfa	5	30.00	2 Pack	350	17.18 Vet Science Hay Shed Bay 7
Alfalfa	A1	69.00	Rolls	750	29.88 New hay shed Bay 287
Grass	63	60.00	Rolls	750	11.25 Bay 3 new shed
Grass	62	72.00	Rolls	750	27.00 Bay 3 new shed
Alfalfa	A2	50.00	2 Pack	750	11.25 Tobacco barn Shed
Grass	66	40.00	Large Square	750	15.00 Tobacco barn Driveway
Grass	65	145.00	Rolls	750	55.63 Tobacco barn Driveway

Sold to
Sheep Unit

sheep old hay

KENTUCKY DEPT OF AGRICULTURE
FORAGE TESTING PROGRAM
111 CORPORATE DRIVE
FRANKFORT, KENTUCKY 40601
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NIR ANALYSIS REPORT

Sample Number: 01440
Sample Type: gh
Sample ID: uk g4 s1 - 05
Sample Date: 11/26/2024 9:57:32AM

Name:
Address:
County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	11.23	0.00
DRY MATTER,%	88.77	100.00
CRUDE PROTEIN, %	7.20	8.11
AVAILABLE PROTEIN, %	8.35	9.41
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	35.58	40.08
NEUT. DET. FIBER,%	58.74	66.17
TDN EST.,%	44.04	49.61
NE/LACT.MCAL/LB	0.43	0.48
ENE EST.,THERMS/CWT	35.48	39.97
NE/MAINT.MCAL/LB	0.39	0.43
NE/GAIN.MCAL/LB	0.17	0.19
RELATIVE FEED VALUE (RFV)		81.09

KENTUCKY DEPT OF AGRICULTURE
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111 CORPORATE DRIVE
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NIR ANALYSIS REPORT

Sample Number: 01441
Sample Type: gh
Sample ID: uk g4 s2 - 06
Sample Date: 11/26/2024 9:59:06AM

Name:

Address:

County:

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	11.20	0.00
DRY MATTER,%	88.80	100.00
CRUDE PROTEIN, %	5.81	6.54
AVAILABLE PROTEIN, %	6.74	7.59
HEAT DAM. PROTEIN, %	0.00	0.00
ACID DET. FIBER,%	37.41	42.13
NEUT. DET. FIBER,%	63.34	71.33
TDN EST.,%	41.70	46.96
NE/LACT.MCAL/LB	0.40	0.45
ENE EST.,THERMS/CWT	33.23	37.42
NE/MAINT.MCAL/LB	0.35	0.39
NE/GAIN.MCAL/LB	0.13	0.15
RELATIVE FEED VALUE (RFV)		73.13