DR. RYA	UCKY DEPARTM AN F. QUARLES, Commorate Drive, Frankfort, KY 4	nissioner • Forage 10601 • kyagr.com	Testing Program • 502-782-9210	OFFICE USE ONLY  Per  #  MO
Producer's Name	versity of Kork	ck, CKF	County	-aye Ho
Mailing Address	Form 1995 RISION	LEOM Farm	Name North F	erm
City Lexizon	Sta	te <u>KY</u> ZIP	Code 40511	
Telephone Number - &	351 509 2284	Email	ssiperber	ukjedu
LOT INFORMATION		Type of Forag	je – Check all that ap	ply
Lot Number	Small Grain	Legume Hay	Grass Hay	Mixed Hay (Leg/Grass)
Sampler	── Wheat ☐	Alfalfa 🔲	Bermuda [	Alfalfa-Orchard
	Other 🗌	Clover	Fescue 🖁	Alfalfa-Timothy 🔲
Initial Tons 2	1/2025 Other [		Orchard	Alfalfa-Grass
initial Tons 35		Haylage	Sudan/Sudex	Clover-Grass
Produced	Cornstalk Hay	Legume	Teff	Lespedeza-Grass
Purchased	Soybean Hay	Grass 🔲	Timothy	Other 🔲
	Other	Mixed	Wheat	
Sample Date 7/2\/	2015	Small Grain	Other [	

# IS THIS HAY FOR SALE? NO O YES,O

	PLEASE COMPLETE TH	HIS SECTION; REQUIRED I	F FO	RAGE IS "FOR SALE"	/ OPTIONAL "NOT FO	R SALE"
	Cutting Date Date Baled Cutting No. Bale Size Bale Weight No. of Bales Storage Type			Foreign Matter% oreign Matter Identity urious Foreign Matter Preservatives Drying Agents Rain Damage		□ None □ None □ None □ None
8000000000	Lt-Green Green Dk-Green 5-10% Bleach 10-15% Bleach Hv-Win Bleach Lt-Rain Mod-Rain Bleach Haylage	STEM TEXTURE: Coarse-Hard Coarse-Med Coarse-Soft Med-Hard Med-Med Med-Soft Fine-Hard Fine-Med Fine-Soft Haylage	GROCCOC	TURITY STAGE: ASS Vegetative Early Head Head Bloom Seed Haylage  GUME: Prebud Prebloom	STEM/LEAF  Excellent Good Fair Poor  MOLD Lt-Cure-Discolo Lt-Brown-Cure Dk-Brown-Cure White-Mold None	r
LE 00000	Size: Minimum Quart size b Mail samples in a timely m	ODOR: Fresh Bland Dull Lt-Musty Mold Haylage e: http://foragetesting.org / Click aggie or more. nanner: Haylage should be expected as the dropped off between 8	dited	5% Bloom 10% Bloom 15% Bloom 25% Bloom 50% Bloom Full Bloom Haylage Certified Sampler" icon.	RECEIVED JU	L 2 1 2025

Mail to: Kentucky Department of Agriculture / Forage Testing Program / 107 Corporate Drive, Frankfort KY 40601 **Before Weight** After Weight \_

Forms: Use a separate form for each sample submitted for testing.

Revised: 07/30/2019

Ble.Le

LIST ALL COMMENTS REGARDING SAMPLE HERE:

Payment must be submitted with samples: Enclose a \$10.00 check or money order (do not send cash) per sample or one check per person or group - payable to "Kentucky State Treasurer".

NIR ANALYSIS REPORT

SAMPLE NUMBER

01709

SAMPLE TYPE

gh

SAMPLE ID

UK 01 Fescue

DATE PROCESSED

07/24/2025

Fescue cut 06/24/2025 35 ton

#### -ANALYSIS-

	-WINAL 1919-		
	AS RECEIVED BASIS	DRY MATTER BASIS	
MOISTURE,%	14.22	14.22	
DRY MATTER,%	85.78	85.78	
CRUDE PROTEIN,%	5.62	6.55	
HEAT DAM. PROTEIN,%	0.00	0.00	
AVAILABLE PROTEIN,%	6.52	7.60	
DEG. PROTEIN EST.,%	3.26	3.80	
ACID DET. FIBER,%	41.74	48.66	
NEUT. DET. FIBER,%	66.06	77.01	
TDN EST.,%	33.06	38.54	
TDNHORSE,%	33.60	39.17	
ENE EST., THERMS/CWT	25.16	29.33	
NE/LACT,MCAL/LB	0.30	0.36	
NE/MAINT,MCAL/LB	0.21	0.25	
NE/GAIN,MCAL/LB	0.01	0.01	
RELATIVE FEED VALUE (RFV)	52.84	61.60	

Producer's Name  Mailing Address  City  Telephone Number  Sampler  Date Harvested Initial Tons  Produced Purchased  Sample Date  Purchased  DR. RYAN F. QUAR  107 Corporate Drive, F.  FORAGE SA  Producer's Name  Mailing Address  1995  859  Sma  Sma  Corn Soy  Sample Date  7/21/2025	Type of Forage – C  II Grain Legume Hay Gi  Wheat Alfalfa Clover Haylage  Instalk Hay Grass Closen Hay Grass Cother Mixed Small Grain	County Jayotto  North Farm  2-782-9210  No Date 1_1  County Jayotto  North Farm  405 11
LIST ALL COMMENTS REGARDING SAM	PLE HERE:	
PLEASE COMPLETE THIS SECT  Cutting Date Date Baled Cutting No. Bale Size Bale Weight No. of Bales Storage Type	IS THIS HAY FOR SALE? NO YELDON; REQUIRED IF FORAGE IS "FOR Foreign Matter I Injurious Foreign Present Drying A	atter% dentity
Green Coar Dk-Green Coar 5-10% Bleach Med- Hv-Win Bleach Med- Lt-Rain Fine-	se-Hard se-Med vegetative se-Soft Head Head Head Bloom Soft Hard Haylage Med Soft LEGUME:	STEM/LEAF  Excellent Good Fair Poor  MOLD  Lt-Cure-Discolor Lt-Brown-Cure Dk-Brown-Cure White-Mold None
<ul> <li>Size: Minimum Quart size baggie or mo</li> <li>Mail samples in a timely manner: Have Samples: Samples can be deforms: Use a separate form</li> </ul>	5% Bloom 10% Bloom 15% Bloom 25% Bloom 50% Bloom Full Bloom Haylage agetesting org / Click on "Certified Sampler" ore. ylage should be expedited due to mold issue ropped off between 8:00am to 4:00 pm, Mon for each sample submitted for testing.	RECEIVED JUL 2 1 2025 icon.
one check per person or grou	up - payable to "Kentucky State Treasurer" nt of Agriculture / Forage Testing Program / After Weight	

50.0

46.4

continued ▶

NIR ANALYSIS REPORT

SAMPLE NUMBER 01710 SAMPLE TYPE gh

SAMPLE ID UK 02 Fescue DATE PROCESSED 07/24/2025

Fescue cut 06/24/2025 35 ton

MOTETURE %	-ANALYSIS- AS RECEIVED BASIS	BASIS
MOISTURE,%	12.60	12.60
DRY MATTER,%	87.40	87.40
CRUDE PROTEIN,%	6.28	7.19
HEAT DAM. PROTEIN,%	0.00	0.00
AVAILABLE PROTEIN,%	7.29	8.34
DEG. PROTEIN EST.,%	3.47	3.97
ACID DET. FIBER,%	42.76	48.92
NEUT. DET. FIBER,%	62.52	71.53
TDN EST.,%	33.39	38.21
TDNHORSE,%	34.66	39.65
ENE EST., THERMS/CWT	25.36	29.01
NE/LACT,MCAL/LB	0.31	0.35
NE/MAINT,MCAL/LB	0.21	0.24
NE/GAIN,MCAL/LB	0.01	0.01
RELATIVE FEED VALUE (RFV)	57.74	66.06

Mail samples in a timely manner: Haylage should be expedited due to mold issue;, do not send on a Friday.

Samples: Samples can be dropped off between 8:00am to 4:00 pm, Monday – Friday.

Forms: Use a separate form for each sample submitted for testing.

Payment must be submitted with samples: Enclose a \$10.00 check or money order (do not send cash) per sample or one check per person or group - payable to "Kentucky State Treasurer".

Mail to: Kentucky Department of Agriculture / Forage Testing Program / 107 Corporate Drive, Frankfort KY 40601 After Weight

Before Weight For office use only:

41.2



Revised: 07/30/2019

NIR ANALYSIS REPORT

SAMPLE NUMBER

01711

SAMPLE TYPE

gh

SAMPLE ID

UK 03 Fescue

DATE PROCESSED 07/24/2025

Fescue cut 06/24/2025 35 ton

## -ANALYSIS-

	-ANALISIS-		
	AS RECEIVED BASIS	DRY MATTER BASIS	
MOISTURE,%	12.55	12.55	
DRY MATTER,%	87.45	87.45	
CRUDE PROTEIN,%	7.79	8.91	
HEAT DAM. PROTEIN,%	0.00	0.00	
AVAILABLE PROTEIN,%	9.03	10.33	
DEG. PROTEIN EST.,%	4.75	5.43	
ACID DET. FIBER,%	42.55	48.65	
NEUT. DET. FIBER,%	60.89	69.62	
TDN EST.,%	33.71	38.55	
TDNHORSE,%	35.81	40.95	
ENE EST., THERMS/CWT	25.66	29.34	
NE/LACT,MCAL/LB	0.31	0.36	
NE/MAINT, MCAL/LB	0.22	0.25	
NE/GAIN,MCAL/LB	0.01	0.01	
RELATIVE FEED VALUE (RFV)	59.59	68.14	

DR. RYAN F. (	Y DEPARTM QUARLES, Comminive, Frankfort, KY 2	nissioner • 1	Forage Testir	ng Program	OFFICE USE ONLY  Per  #  MO  Date _ /_ /  Co  \$
Producer's Name	sity of Kin	ucky-	CKE	_ County	Fayett P
Mailing Address 1995 R	esarch For	RI	Farm Name	North	Fora
City Lotington	Sta	ite <u>KY</u>	ZIP Code	4051	100
Telephone Number - 95 (	509 2284	Email _	, · S.5R	proted	oky ed c
LOT INFORMATION		Туре	of Forage - Ch	eck all that ap	pply
Lot Number 4	Small Grain	Legume Hay	g Gra	ass Hay	Mixed Hay (Leg/Grass)
Sampler	Wheat	Alfalfa		Bermuda	Alfalfa-Orchard
Date Harvested A /24/2-29	Other	Clover		Fescue	🗶 Alfalfa-Timothy 🔲
Initial Tons				Orchard	Alfalfa-Grass
Illidai 10118 - 3 5		Haylage	S	Sudan/Sudex	Clover-Grass
Produced	Cornstalk Hay	Legume		Teff	Lespedeza-Grass
Purchased	Soybean Hay	Grass		Timothy	Other 🔲
	Other	Mixed		Wheat	
Sample Date \square \langle 2025		Small Grain		Other	Tr.
LIST ALL COMMENTS REGARDING	3 SAMPLE HERE:				

IS THIS	HAY	<b>FOR</b>	SALE?	NO O	YES (	O
---------	-----	------------	-------	------	-------	---

PLEASE COMPLET		ED IF FORAGE IS "FOR SALI	E" / OPTIONAL "NOT FOR SALE"
Cutting Date Date Baled Cutting No. Bale Size Bale Weight No. of Bales Storage Type		Foreign Matter Foreign Matter Identi Injurious Foreign Matte Preservative Drying Agen Rain Damag	ty □ None er □ None es □ None ts □ None
<ul> <li>Size: Minimum Quart si</li> <li>Mail samples in a time</li> <li>Samples: Samples</li> </ul>	ze baggie or more. ely manner: Haylage <u>should</u> be	MATURITY STAGE: GRASS  Vegetative Early Head Head Bloom Seed Haylage  LEGUME: Prebud Prebloom 5% Bloom 10% Bloom 15% Bloom 25% Bloom 50% Bloom Full Bloom Haylage  Click on "Certified Sampler" icon. expedited due to mold issue;, do not submitted for testing.	
Payment mu	st be submitted with samples	: Enclose a \$10.00 check or mone	y order ( <b>do not send cash</b> ) per sample or

For office use only:

Before Weight

After Weight

one check per person or group - payable to "Kentucky State Treasurer".

Mail to: Kentucky Department of Agriculture / Forage Testing Program / 107 Corporate Drive, Frankfort KY 40601

Revised: 07/30/2019







NIR ANALYSIS REPORT

SAMPLE NUMBER 01712 SAMPLE TYPE gh

SAMPLE ID UK 04 Fescue DATE PROCESSED 07/24/2025

## Fescue cut 06/24/2025 35 ton

### - ΔΝΔΙ ΥΣΤς -

	-ANALYSIS-		
	AS RECEIVED BASIS	DRY MATTER BASIS	
MOISTURE,%	14.68	14.68	
DRY MATTER,%	85.32	85.32	
CRUDE PROTEIN,%	6.85	8.03	
HEAT DAM. PROTEIN,%	0.00	0.00	
AVAILABLE PROTEIN,%	7.95	9.31	
DEG. PROTEIN EST.,%	3.47	4.07	
ACID DET. FIBER,%	42.02	49.25	
NEUT. DET. FIBER,%	66.58	78.04	
TDN EST.,%	32.23	37.77	
TDNHORSE,%	34.37	40.29	
ENE EST., THERMS/CWT	24.40	28.59	
NE/LACT,MCAL/LB	0.30	0.35	
NE/MAINT,MCAL/LB	0.20	0.24	
NE/GAIN,MCAL/LB	0.00	0.00	
RELATIVE FEED VALUE (RFV)	51.39	60.23	

Producer's Name  Mailing Address  City  Telephone Number  LOT INFORMATION  Lot Number  Sampler  Date Harvested  Initial Tons  Produced  Purchased  Sample Date	RYAN F. QUARLES, Cor Corporate Drive, Frankfort, KY DRAGE SAMPLE United States of Corporate Drive, Frankfort, KY ORAGE SAMPLE	Clover F  O  Haylage Sudan/ Legume Grass Ti  Mixed Mixed	Per #
PLEASE COMF  Cutting Date Date Baled Cutting No. Bale Size Bale Weight No. of Bales Storage Type  COLOR: Lt-Green Green Dk-Green 5-10% Bleach Hv-Win Bleach Hv-Win Bleach Lt-Rain Bleach Haylage  LEAF RETENTION: 90% 75-90% Mod-Shatter Hv-Shatter Haylage	STEM TEXTURE: Coarse-Hard Coarse-Med Coarse-Soft Med-Hard Med-Med Med-Soft Fine-Hard Fine-Soft Haylage  ODOR: Fresh Bland Dull Lt-Musty Mold	Foreign Matter% Foreign Matter Identity Injurious Foreign Matter Preservatives Drying Agents Rain Damage  MATURITY STAGE: GRASS Vegetative Early Head Head Bloom Seed Haylage  LEGUME: Prebud Prebloom 5% Bloom 10% Bloom 15% Bloom 25% Bloom Full Bloom	y
Size: Minimum Q     Mail samples in     Sample     Forms     Payme     one che	uart size baggie or more.  a timely manner: Haylage should  es: Samples can be dropped off be  : Use a separate form for each sar  nt must be submitted with sampleck per person or group - payable	oles: Enclose a \$10.00 check or money	riday. v order (do not send cash) per sample or

47.3

441

continued ▶

NIR ANALYSIS REPORT

SAMPLE NUMBER

01713

SAMPLE TYPE

gh

SAMPLE ID

UK 05 Fescue

DATE PROCESSED 07/24/2025

## Fescue cut 06/24/2025 35 ton

### -ANALVSTS-

	-ANALYSIS-	
	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	13.49	13.49
DRY MATTER,%	86.51	86.51
CRUDE PROTEIN,%	4.89	5.66
HEAT DAM. PROTEIN,%	0.00	0.00
AVAILABLE PROTEIN,%	5.68	6.56
DEG. PROTEIN EST.,%	1.81	2.09
ACID DET. FIBER,%	45.57	52.67
NEUT. DET. FIBER,%	71.09	82.17
TDN EST.,%	28.87	33.37
TDNHORSE,%	33.60	38.84
ENE EST., THERMS/CWT	21.08	24.36
NE/LACT,MCAL/LB	0.26	0.29
NE/MAINT,MCAL/LB	0.14	0.16
NE/GAIN,MCAL/LB	0.07	0.08
RELATIVE FEED VALUE (RFV)	46.88	54.19

KENTUCKY DEPARTMENT OF AGRICULTURE DR. RYAN F. QUARLES. Commissioner • Forage Testing Program 107 Corporate Drive, Frankfort, KY 40601 • kyagr.com • 502-782-9210   Milling Address   Grass   Grass	O Date//		
IS THIS HAY FOR SALE? NO YES PLEASE COMPLETE THIS SECTION; REQUIRED IF FORAGE IS "FOR SALE" / OPTIONAL Cutting Date Foreign Matter   Foreign Matter   Identity   Cutting No. Injurious Foreign Matter   Bale Size Preservatives   Bale Weight Drying Agents   No. of Bales   Storage Type	None None None None None		
Green  Ok-Green  Ok-Green  Coarse-Med  Coarse-Soft  Early Head  Fai  5-10% Bleach  Med-Hard  Head  Head  Head  Head  Head  Hourse Bloom  Mod-Med  Med-Med  Med-Med  Med-Med  Med-Med  Med-Med  Haylage  Mod-Rain  Fine-Hard  Haylage  Haylage  Fine-Soft  Haylage  LEGUME:  Dk  Haylage  Prebud  Prebloom  No  LEAF RETENTION:  ODOR:  Fresh  To-90%  Mod-Shatter  Hv-Shatter  Hy-Shatter  Hy-Shatter  Haylage  How to Pull a Core Sample: http://foragetesting.org / Click on "Certified Sampler" icon.  Size: Minimum Quart size baggie or more.  Mail samples in a timely manner: Haylage should be expedited due to mold issue: do not send on a Eric	cellent cod ir cor  Cure-Discolor Brown-Cure -Brown-Cure inte-Mold ne  VED JUL 2 1 2025		
Samples: Samples can be dropped off between 8:00am to 4:00 pm, Monday – Friday. Forms: Use a separate form for each sample submitted for testing. Payment must be submitted with samples: Enclose a \$10.00 check or money order (do not send cash) per sample or one check per person or group - payable to "Kentucky State Treasurer". Mail to: Kentucky Department of Agriculture / Forage Testing Program / 107 Corporate Drive, Frankfort KY 40601  For office use only:  Before Weight			

NIR ANALYSIS REPORT

SAMPLE NUMBER

01714

SAMPLE TYPE

gh

SAMPLE ID

UK 06 Fescue

DATE PROCESSED 07/24/2025

Fescue cut 06/24/2025 35 ton

## -ANALYSIS-

	AS RECEIVED BASIS	DRY MATTER BASIS
MOISTURE,%	13.26	13.26
DRY MATTER,%	86.74	86.74
CRUDE PROTEIN,%	5.79	6.67
HEAT DAM. PROTEIN,%	0.00	0.00
AVAILABLE PROTEIN,%	6.71	7.74
DEG. PROTEIN EST.,%	3.03	3.49
ACID DET. FIBER,%	42.34	48.81
NEUT. DET. FIBER,%	68.49	78.96
TDN EST.,%	33.26	38.34
TDNHORSE,%	34.06	39.26
ENE EST., THERMS/CWT	25.28	29.14
NE/LACT,MCAL/LB	0.31	0.35
NE/MAINT, MCAL/LB	0.21	0.25
NE/GAIN,MCAL/LB	0.01	0.01
RELATIVE FEED VALUE (RFV)	51.99	59.93