Texas A&M AgriLife Extension

Fall Forage Seminar
&
Austin County Hay Show

Austin County Fairgrounds
Bellville, TX
Friday, October 4, 2024

Fall Forage Seminar & Hay Show

Friday, October 4, 2024
Austin County Fair Grounds, Bellville
Registration - 8:30 am – 9:00 am
Program - 9:00 am – 12:00 pm

<u>Speakers and Topics:</u>

9:00 am – 9:05 am	**Welcome and Introductions** *Bradley Rinn* *Chairman, Austin County Beef & Forage Committee*
9:05 am – 10:00 am	**Harvesting Excellence: A Guide to Hay Quality & Analysis** *Dr. Vanessa Corriher-Olson* *Professor and Texas A&M AgriLife Extension Specialist*
10:00 am – 10:55am	**3 W's of Soil Testing** *Dr. Tony Provin* *Texas A&M AgriLife Extension, Soil & Crop Sciences*
10:55 am –11:10 am	**Break**
11:10 am – 12:00 am	**How to Judge Your Hay Samples & Read Your Results** *Dr. Bobby Lane* *Professor & Former Department Chair, Sam Houston State University*
12:00 pm	**Wrap Up and Evaluation** *Bradley Rinn* *Chairman, Austin County Beef & Forage Committee*
12:10 pm	**Lunch and Hay Show Judging Results** *Dr. Bobby Lane* *Professor & Former Department Chair, Sam Houston State University*

<u>Program Organizers</u>

Austin County Beef & Forage Committee

AUSTIN COUNTY
BEEF AND FORAGE COMMITTEE

Steve Blezinger

Curtis Brenner

Don Dryer

Richard Fry

Charles Goeke

Alfred Hall

Ricky Huff

William S. Jackson

Allen Kaminski

Jo Ed Lynn

Sarah Richardson

Bradley Rinn

Gregg Schubert

Dave Schulz

Gary Shupak

Ronny Woodley

2024 Sponsors of the Hay Show

4M Farm & Feed LLC

7IL Ranch

ABC Nutrition Service

ASCO Equipment

Austin County Farm Bureau

Austin County Farmers Mutual

Austin County Livestock Association

Austin County Soil & Water Conservation District#347

Austin County State Bank

Bellville Farm & Ranch

Bernardo Farm & Ranch Supply

Brenner Ranch

Capital Farm Credit

Cattleman's Brenham Livestock Auction

Cattleman's Columbus Livestock Company

Cattleman's Supply

Citizens State Bank

Corteva Agriscience

2024 Sponsors of the Hay Show

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Four County Auction Center

G.E. Huebner Concrete, Inc

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Hobson’s Choice Ranch

H.R. Ueckert Company, INC.

International Paper

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LKL Insurance

Postive Feed

San Bernard Electric Co-op, Inc.

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2024 Sponsors of the Hay Show

Schrader Construction Co., Inc

Schubert Farm Service's

SCS Construction

Steinhauser's Inc.

Texas Farm Credit

Washington County Animal Clinic

Washington County Tractor

Thank you for Sponsoring this year's, Austin County Hay Show!

We could not have it without your support!

Notes

NOTES

What Hay Quality Do You Want?

Bobby Lane, Professor Emeritus
School of Agricultural Sciences
Sam Houston State University

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Physical Scoring

Maturity	40 points
Texture	20 points
Leafiness	10 points
Purity	20 points
Color	10 points

2

Crude Protein

- Determined by measuring the nitrogen content of your forage
- Based on average N content of proteins (16%)
- 100/16 = 6.25
- N X 6.25 = CP
- Affected by: Maturity
  Legumes
  N fertilization of grasses

3

Neutral Detergent Fiber

- Measure of total cell wall – plant structure
- Highly correlated to forage intake (rate of passage)
- Affected by: Plant species
  Maturity
  Leaf to stem ratio

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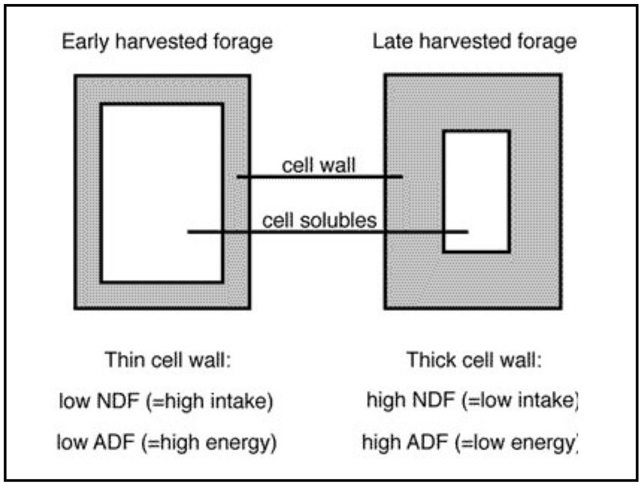

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Acid Detergent Fiber

- Measure of the least digestible call wall components
- Best indicator of forage digestibility
- Used to derive TDN values

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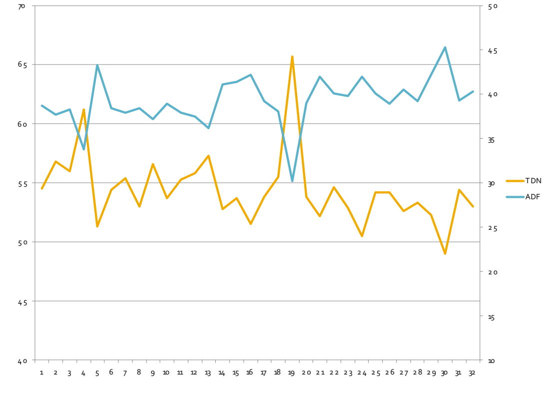

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Huntsville, TX 77320
Walker County

Sample received on: 10/14/2014
Printed on: 10/15/2014

Laboratory number		112752	112753	112754	112755
Customer Sample ID		5	6	7	8
Forage Type Forage Use		Bermudagrass (Common) Hay	Bermudagrass (Common) Hay	Bermudagrass (Common) Hay	Bermudagrass (Common) Hay
Crude Protein	%	16.2	9.1	7.0	9.0
Dig. Crude Protein	%	11.5	5.0	3.1	4.9
Acid Detergent Fiber	%	33.8	43.3	38.4	37.9
Neutral Detergent Fiber	%	56.0	67.5	64.6	64.2
TDN-based on ADF	%	61.2	51.3	54.4	55.4
Net Energy Lactation	Mcal/lb	0.63	0.52	0.55	0.56
Net Energy Maintance	Mcal/lb	0.67	0.54	0.58	0.60
Net Energy Gain	Mcal/lb	0.35	0.22	0.26	0.27
Energy Est.	therms/cwt	51.7	42.7	45.5	46.5
IVTD(in vitro true digestil	%	67.1	47.1	55.0	53.5
Ash	%	6.8	6.3	4.6	3.4
Relative Feed Value(RFV)		104.0	76.0	85.0	86.1

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What are the targets?

- NDF 62% or less (TAMU lab)
- ADF 38% or less
- TDN
  - Growing steer/heifer >60%
  - Dry cow >50%
  - Last trimester >52%
  - Lactating 55-65%
- Crude Protein
  - Dry cow 8-10%
  - Lactating cow 10-12%

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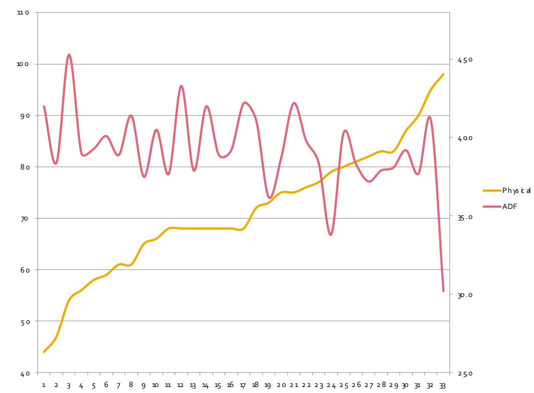

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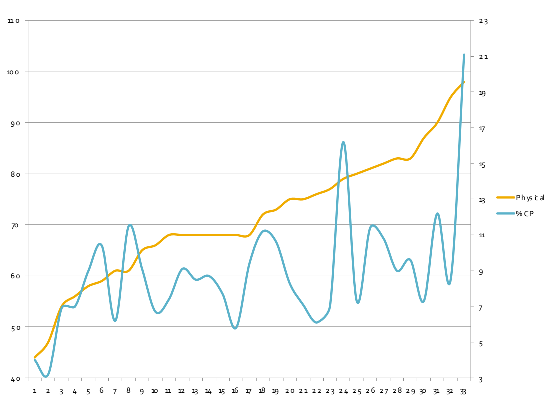

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Palatability

- Odor – storage conditions, age, molds
- Texture/Leafiness
- Foreign matter
- Affects hay refusal
- None of this is measured through a laboratory analysis!

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