

# World Dairy Expo 2016

犬飼拓哉・板垣拓也

LOUISIANA  
LARRY STEINLEY  
2016

# 今回の旅程

10月5日

成田～シカゴ～マディソン

10月6日～8日

World Dairy Expo視察

10月9日～10日

マディソン～シカゴ～成田



# Madisonについて



面積 219.4km<sup>2</sup>  
人口 24.3万人



平均最高気温  
28°C (8月)  
平均最低気温  
-12°C (1月)



# 夕食



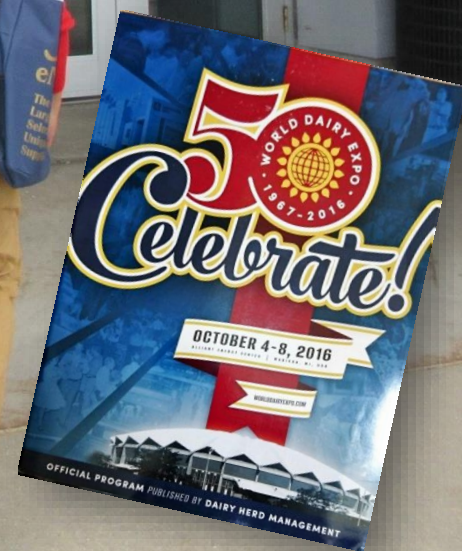
**Estrumate<sup>®</sup>**  
(cloprostenol sodium)

**Welcome to World Dairy Expo**

**MERCK**  
Animal Health

Booth #EH 2411

開催期間 2016年10月4～8日  
参加企業 800社以上  
出陳数 約2,500頭  
開催50周年記念大会





BET HER TO  
"THE SHOW"  
ON TIME  
TRANSITION  
BOSTON MAR 2011

SANDY VALLEY SALOON



# EXHIBITION HALL

The Best Tags in the Business

FIND THE BUILDING BLOCKS FOR DAIRY WELLNESS **zoetis** VISIT BOOTH 3811

## COFFEE WA

COFFEE - ESPRESSO - CAPPUCCINO - MOCHA

ENJOY SMOOTHIES - Iced COFFEE - MOCHA BLEND - Iced TEA

COME SEE WHAT'S 'BRAND-MOO'  
AT BOOTH #E11411-1514 FROM





East Expo Mall  
Fairgrounds Drive

STOP

NEW HOLLAND  
AGRICULTURE

NEW HOLLAND TRADE CENTER

50  
AGRICULTURE

CAT



RUEBENS PHILLYS  
& SILLY BARS

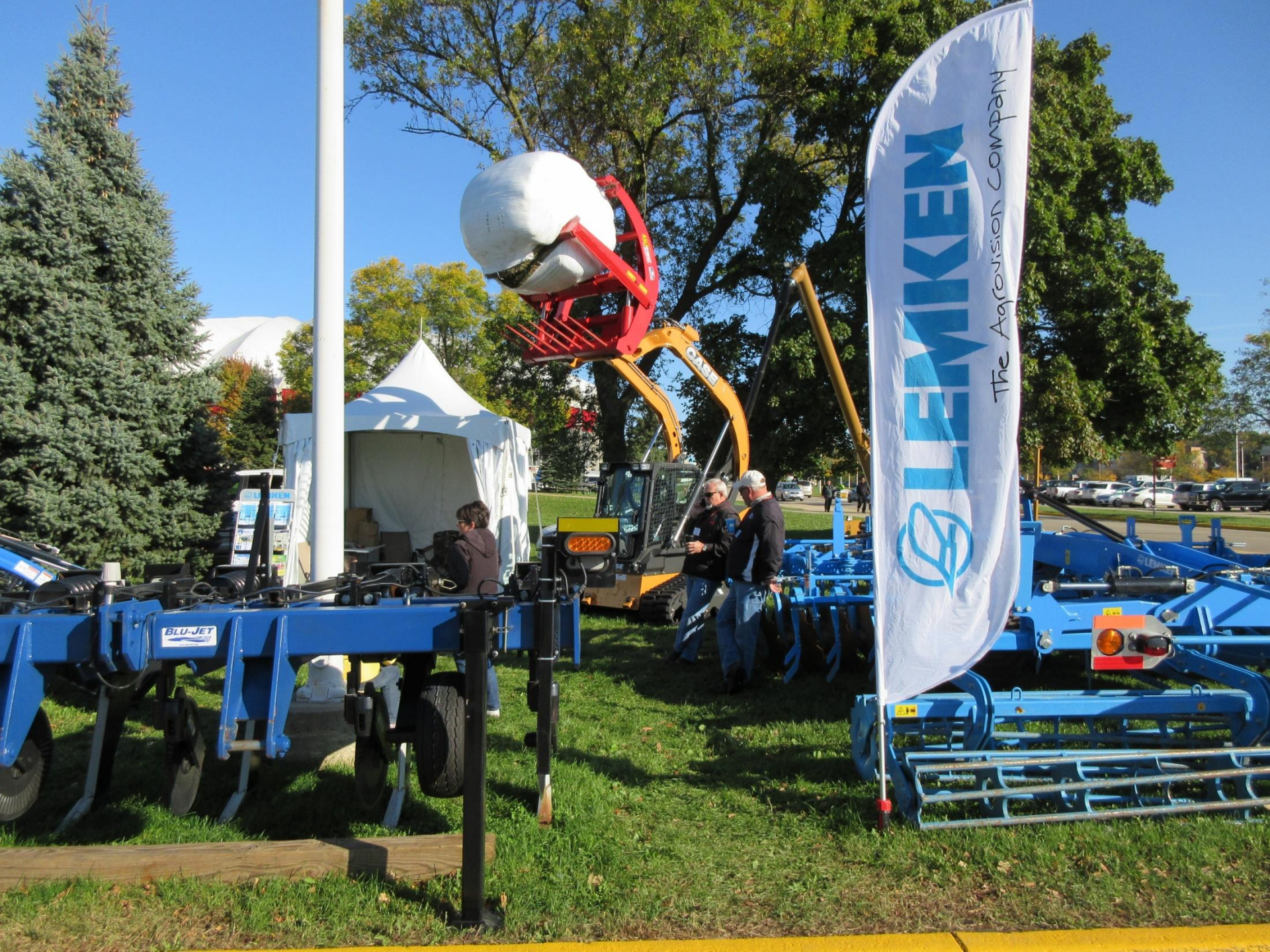
**FRENCH  
FRIES**

**WALLEYE  
FINGERS**

PAPA  
BEN'S

BURRITOS  
SUPREME





**LEMKEN**

The Agrivision Company

BLU-JET

CASE



AG CENTRAL EXHIBITS  
VISIT US AT BOOTH 3412  
TO LEARN ABOUT  
CONTINUOUS FLY CONTROL



ClariFly

starbuck  
SUPPORT US (FLORIDA)

Celebrate!





NGZÜCHTER  
WÜRTEMBERG





Manufacturers & Wholesale Distributors



Boehringer Ingelheim

2900  
3000



VALMETAL

JAMESWAY





Cargill

thrive

Cargill

thrive

thrive

thrive

afim

Vital know-

Advanced

DMS DAIRY  
MANAGEMENT  
INC.

IDEXX Milk  
Pregnancy Test

GEA

Your  
New  
Exp

ach

BREC

BREC

ESTHOTECH  
THE BROTHERS TAYLOR GROUP  
GREATER IMPACT

man  
for cows  
activity

Enter to see management system  
Elevate production by not missing  
any management  
Clean culture as well as our  
customer experience

The  
Council







E-TEL  
CARE

19000

R MUE

GEA

GEA





ASTREA 20.20

ASTREA 20.20

ASTREA 20.20

825  
850  
848  
873





**LELY**  
**LELY VECTOR**  
[www.leyly.com](http://www.leyly.com)

**Lely Vector**  
automatic feeding system



The Lely Vector automatic feeding system allows for 24/7 flexible, fresh feeding of cows, accurately and with minimum labor requirements. The mixing and feeding robot is a self-contained, battery-powered vehicle, capable of automatically feeding a well-mixed ration.

**LELY**





PERDUE

ANIMAL NUTRITION

Science based  
Research driven

FURMAN  
ANIMAL NUTRITION

MIECH  
MIECH  
MIECH

MIECH

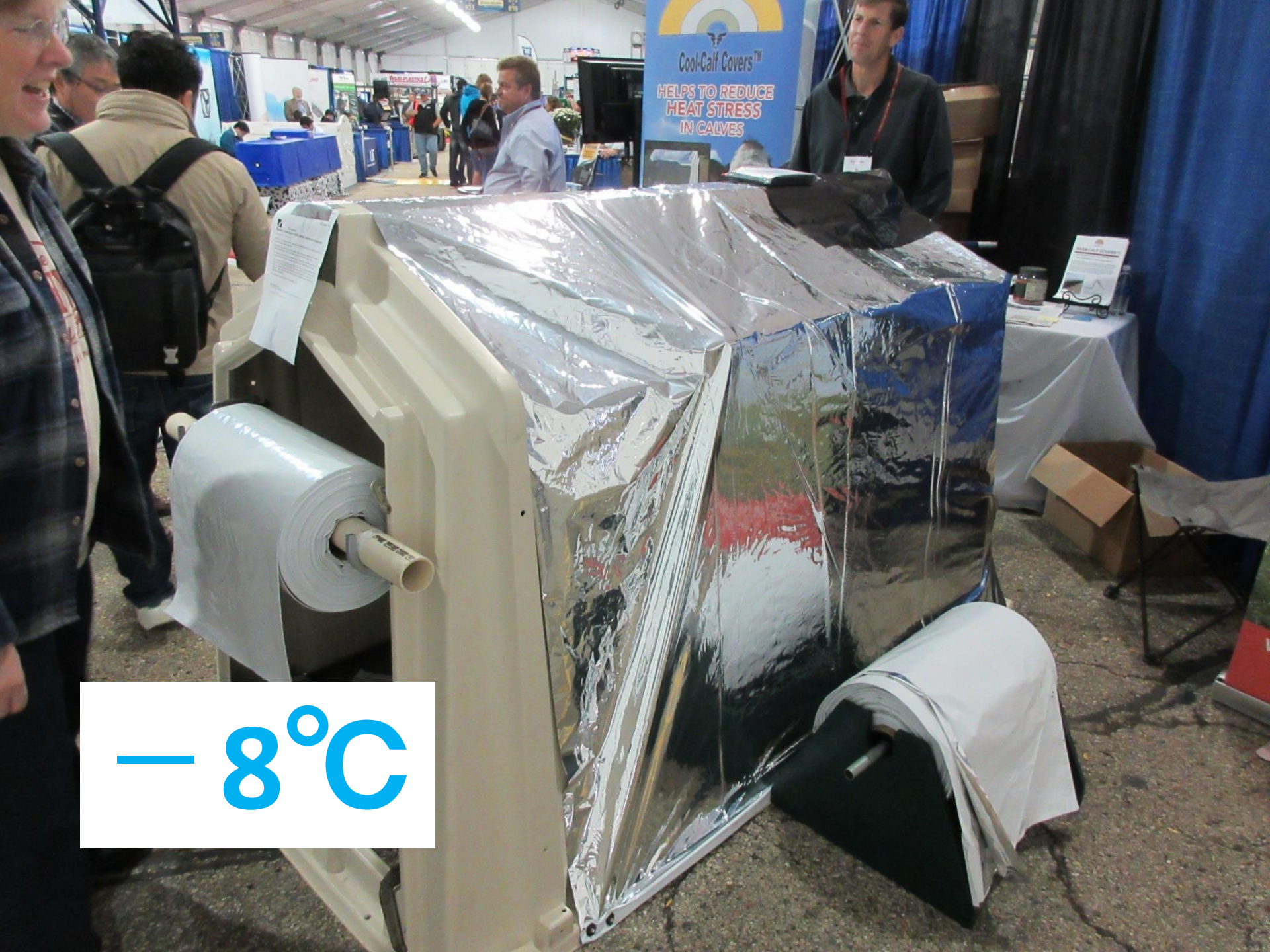
GABBY WELTING

GABBY WELTING

GREENFREESTALL

PERDUE  
ANIMAL NUTRITION  
PERDUE  
ANIMAL NUTRITION





Cool-Calf Covers™  
HELPS TO REDUCE  
HEAT STRESS  
IN CALVES

- 8°C



3-5 in se  
✓ Harvest cib  
✓ Elite, N an  
... ..

Less Panting  
Improved Comfort  
Better Weight Gain  
Improved Immune Function

Reflective Covers Can Lower Temperatures Up to 15°F

FCOVERS.COM  
9-4070

A large black and white cow is standing in a field, used as a background for a promotional sign. The sign lists benefits of reflective covers for livestock. To the left of the cow, there is a list of features with checkmarks. Below the cow, the website and phone number are listed.







Calf Care  
NURSERY

Art's Way  
Since 1956

Art's Way  
Since 1956

Art's Way  
Since 1956

Art's Way  
Since 1956  
Go >>>  
Modular

Ideal Environment for Calves

"Washable" Animal Room

2 Week Rotating System with All-Out Cleanability

QUALITY Construction From Production To Delivery

Quality Construction From Production To Delivery

Art's Way  
Since 1956



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MFG. OF IOWA, INC.™

[WWW.MARTING.COM](http://WWW.MARTING.COM)

800-247-1843





**MARTING**  
MFG. OF IOWA, INC.™





\$535.00

≒ ¥58850+税

◎計測項目

- Brix → 初乳のIgG量
- 尿の比重 → 脱水の指標
- 血清中総タンパク質(g/dL)  
→ 移行免疫を獲得しているか？
- 廃棄乳の全固形分(%)  
→ 移行乳給与時の栄養管理

酪農用デジタル糖度計  
MISCO Model No. DD-3



ポータブル飼料成分分析装置

X-NIR



DISTRIBUTION TRACKING

SCALE CONTROL IN YOUR HANDS

diagnostica generale

Linomax



# X-NIR™

10/06/15

11:42:11

+32.5°C

Batt: 68%

NIR



- (精度)
- 水分 (2%)
- デンプン (3%)
- 粗タンパク質 (3%)
- ADF (3%)
- NDF (3%)
- 灰分 (3%)
- 粗脂肪 (3%)

Silage

%Asls

%DM

Moisture: 64.3 % 35.7 %

Starch: 8.5 % 23.9 %

Protein: 3.1 % 8.8 %

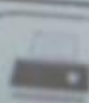
ADF: 9.4 % 26.4 %

NDF: 16.9 % 47.3 %

Ash: 1.0 % 2.9 %

Crude Fat: 0.9 % 2.5 %

RESET



1  
2 3



dinamica

# X-NIR



\$15,000~

≒ ¥1,650,000 + 税

## 基本セット

- ・ コーンサイレージ
- ・ 乾草
- ・ ハイモイスターコーン
- ・ アルファルファ乾草
- ・ グラスサイレージ
- ・ 乳牛用TMR
- ・ Soybean Flour(大豆粕?)

の中から3つの検量線をプリセット

## オプション

50種類以上から選択可

# 粗飼料セミナー

Fiber digestion is affected by:

## Feed characteristics

- ✓ The amount of fiber (NDF, or NDF<sub>om</sub>)
- ✓ Potentially digestible fiber (pdNDF)  
(pdNDF = NDF - uNDF<sub>240</sub>)
- ✓ Rate of fiber digestion (kd)

## Animal and diet

- ✓ Intake affects rate of fiber passage (kp)



繊維の消化は、いろいろな要素の影響を受けている！  
粗飼料の繊維消化性を比較しやすくする新しい評価方法を考えたよ！

ウィスコンシン州大学  
マディソン校 酪農科学科  
Dave Combs 教授

◎新しい評価法(Total Tract NDF Digestion  
全消化管NDF消化性)

$$\text{TTNDFD} = \frac{\text{pdNDF} \times \text{kd}}{(\text{kd} + \text{kp})}$$

**TTNDFD > 42%**

**乳生産↑↑**



次は板垣君から共進会の報告です！