**Advanced Animal Science**

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### CD-ROMS

#### ANSC-CD1

**Introduction to Animal Sciences**

**Price:** $75.00

This DVD includes lecture materials for the “Introduction to Animal Sciences” course (ANSC 100) at the University of Illinois. The materials include 115 modules with PowerPoint slides and audio, presented by the University of Illinois professors. That’s over 20 hours of lecture! This DVD also includes handouts as PDF files.

Topics include beef, companion animals, dairy, horses, poultry, swine, animal behavior, environmental psychology, genetics, meats, microbiology, nutrition, and reproduction.

#### ANSC-CD2

**Advanced Dairy Nutrition**

**Price:** $50.00

This resource includes lecture material used for Advanced Dairy Nutrition (AnSc 423) at the University of Illinois. Information is presented in 67 training modules, providing 14 hours of lecture. Includes handouts as PDF files.

Topics include energy considerations; protein application; minerals, vitamins, and additives; phase feeding concept; ration formulation; transition feeding; transition health; feeding forages; and feeding systems.

#### ANSC-CD3

**Advanced Dairy Management**

**Price:** $50.00

This resource contains materials from the Advanced Dairy Management class (AnSc 405) at the University of Illinois. Information is presented in 53 training modules, providing 13 hours of lecture. Includes handouts as PDF files.

Topics include calves and heifers; genetics and matings; business records and management; facilities; nutrient management; forage production; pasture systems; and health, including hoof health, vaccinations, biosecurity, and diseases.

#### ANSC-CD4

**Milk Secretion, Mastitis, and Quality**

**Price:** $50.00

This resource includes lecture material used for Milk Secretion, Mastitis, and Quality (AnSc 499) at the University of Illinois. Topics include mammary gland anatomy, hormonal control, causes and control of mastitis, milk harvesting, and milk quality. Includes handouts as PDF files.
ANSC-CD5
**Transition Dairy Cow Management**
**Price:** $50.00

Managing transition cows is one of the most important but also least understood aspects on dairy farms across the United States. Getting fresh cows off to a healthy start after calving is critical to achieving high milk production, getting cows rebred, and avoiding metabolic disorders.

To assist dairy managers, veterinarians, nutritionists, consultants, and educators; the Four State Dairy Extension Group (University of Illinois, University of Wisconsin, Iowa State University, and University of Minnesota) and Monsanto Dairy co-sponsored and developed a CD ROM providing state-of-the-art information on managing transition cow allowing them reach their genetic potential.

The CD contains more than eight hours of lecture and listening time with Power Point visuals and streaming video. Listen to experts discuss nutrition, health, and housing areas plus cow side techniques to monitor and evaluate results (tool box section). The CD contains 48 modules ranging from 8 to 19 minutes in length.

ANSC-CD6
**Ralph Rumen SARA Case Study**
**Price:** $50.00

This educational tool is an interactive case study in which you can visit a virtual dairy farm, look at reports, listen to training modules, and determine what problems are occurring on the farm.

ANSC-CD7
**Advanced Bovine Reproduction Management**
**Price:** $50.00

This resource includes lecture material used for Advanced Reproductive Management (AnSc 437) at the University of Illinois. Information is presented in 43 training modules; includes handouts as PDF files.

Topics include: Anatomy and physiology; basics of reproduction; insemination and fertilization; estrus synchronization; pregnancy diagnosis; infertility; reproductive health; nutritional relationships; advanced and emerging technologies; and beef reproductive management.

ANSC-CD8
**Principles of Dairy Production**
**Price:** $50.00

This resource contains all lectures from the class Principles of Dairy Production, taught by Dr. David Miller, Dr. Mike Hutjens, and other specialists at the University of Illinois.

The objective of the class is to provide a broad overview of dairy production principles and practices in Illinois, the United States, and the world. All major disciplines are discussed, including nutrition, reproduction, genetics, milk secretion, health, heifer growth, milk marketing, housing, waste handling, biotechnology, and international agriculture.
Breeding & Selection

Units

U1002c
Artificially Inseminating Livestock, 16p
Price: 2.00

U1019a
Judging Livestock, 20p
Price: $2.75

U1061
Using Livestock Production Records, 12p
Price: $2.00

Transparencies

T130a
Animal Genetics and Breeding, 47 fr., w/guide
Price: $33.90

CD-ROMS

MDS130a
Expected Progeny Differences and Performance Data
Price: $65.00

This on-screen instructional resource helps users understand expected progeny differences (EPDs) and performance data and apply them to the animal breeding industry. The slide sets, created in Microsoft PowerPoint, have been completely updated with the most current information at the time of publication (2015).

This CD includes in-depth explanations of beef, swine, and sheep terminology; introduction to the methods and applications of data; genetic transfer of abnormal traits; practice classes designed to interpret data; and step-by-step recommendations for sorting through a class of production animals. Also included are printable practice problems, livestock standards, term quizzes (with keys), and forms to create student worksheets. All forms can be printed, duplicated and distributed to students. Use this resource for teaching EPDs and performance data; it is also a handy tool for preparing a livestock judging team for performance classes.
MDS103  
**Beef Breed Identification**  
Price: $97.00

Beef Breed Identification CD-ROM is an updated version that includes nearly 60 of the most common beef breeds found in North America. The new images are excellent and slides include breed characteristics as well as breed history. The CD-ROM is an onscreen presentation composed in PowerPoint. It is designed in an organized format for classroom instruction and includes student handouts for note taking. In all the CD-ROM includes over 500 PowerPoint slides.

MDS164c  
**Swine Breed Identification**  
Price: $50.00

Swine Breed Identification CD-ROM is an updated version that includes the 12 most common swine breeds found in the United States. The new images are excellent and slides include breed characteristics as well as breed history. The CD-ROM is an onscreen presentation composed in PowerPoint. It is designed in an organized format for classroom instruction and includes student handouts for note taking. In all the CD-ROM includes over 200 PowerPoint slides.

MDS210a  
**Dairy Breed Identification**  
Price: $50.00

Dairy Breed Identification CD-ROM is an updated version that includes 14 dairy breeds. The new images are excellent and slides include breed characteristics, breed history, average production data, and latest imported breeds. The CD-ROM is an onscreen presentation composed in PowerPoint. It is designed in an organized format for classroom instruction and includes student handouts for note taking. In all the CD-ROM includes nearly 200 PowerPoint slides.

MDS104-10  
**Beef, Dairy, and Swine Breed Identification Quiz Pack**  
Price: $250.00

MDS104-10 Beef, Dairy, and Swine Breed Identification Quiz Pack is composed in the same navigational format as the three instructional CD-ROMs of the updated breed series. Included on each of the 10 CD-ROMs of the quiz pack are the quizzing and interactive sessions only for each species. They can be distributed to students for review or self quizzing at a classroom workstation, computer lab, or home system. The CD-ROMs are ideal for students in need of review sessions with immediate feedback. In all, each of the 10 CD-ROMs includes nearly 650 slides.

MDS150  
**Practice Judging Livestock**  
Price: $55.00

Practice Judging Livestock is an onscreen resource that utilizes both PowerPoint and Word to instruct students how to judge cattle, swine, and sheep classes. The CD-ROM includes four heifer classes, four steer classes, one bull class, two gilt classes, two market hog classes, one Duroc barrow class, and six market lamb classes. Each class includes a side view, front view, rear view, and top view for swine and sheep. At the conclusion of each class are the official placing and cuts. Oral reasons can be printed as a Word document for each class. One heifer class includes data and a scenario to consider when placing the animals. The image quality is excellent and is appropriate for high school and college livestock evaluation training.
Animal Science

MDS151  
**Evaluating Beef Cattle**  
Price: $39.00

Evaluating Beef Cattle is an onscreen resource that utilizes both PowerPoint and Word to instruct students how to properly evaluate bulls, steers, and heifers. The CD-ROM includes two PowerPoint presentations and five resource documents composed in Word. The introductory presentation includes a teacher guide, or script, to instruct students on points of evaluation, desirable and undesirable characteristics with example images, and a wealth of beef cattle judging information. The second presentation includes images of two heifer classes and three steer classes with official placings and cuts. The images are of side, front, and rear views of the animals. The CD-ROM also includes a terminology guide for presenting reasons, an EPD example, data for a heifer class, and reasons for five classes of beef animals. The image quality is excellent and is appropriate for high school and college instruction.

MDS152  
**Practice Judging Beef Cattle**  
Price: $35.00

Practice Judging Beef Cattle is an onscreen resource that features five heifer classes, four steer classes, and one bull class. The Simmental heifer class includes data and a scenario to consider when evaluating the animals. All classes have official placings and cuts. Reasons for each class can be printed from the CD-ROM in Word. The practice beef cattle classes are built in PowerPoint and have excellent image quality. Animals can be evaluated from the side and rear. This resource is appropriate for high school and college instruction.

MDS153  
**Practice Judging Swine**  
Price: $28.00

Practice Judging Swine is an onscreen resource that features two market hog classes, one crossbred breeding gilt class, one Hampshire gilt class, and one Duroc barrow class. The swine can be viewed from the side, top, and rear for appropriate evaluation. All classes have official placings and cuts. Reasons for each class can be printed from the CD-ROM in Word. The practice swine judging classes are built in PowerPoint and have excellent image quality. This resource is appropriate for high school and college instruction.

MDS154  
**Practice Judging Market Lambs**  
Price: $28.00

Practice Judging Market Lambs is an onscreen resource that includes seven market lamb classes. The lambs can be evaluated from the side, front, rear, and top. All classes have official placings, cuts, and printable reasons composed in Word. The practice judging market lambs classes are built in PowerPoint and have excellent image quality. This CD-ROM is appropriate for high school and college instruction.

MDS155  
**Horse Conformation**  
Price: $28.00

Horse Conformation is comprised of two presentations built in PowerPoint to instruct students how to evaluate horses and identify them by colors and markings. The evaluation presentation covers balance, quality, muscling, and horse structure. The CD-ROM also includes images of acceptable and unacceptable characteristics. The color and marking presentation identifies the different colors and terms used to describe horses when giving reasons. Images are utilized to distinguish between the colors and unique markings. This resource is appropriate for high school and college instruction.
MDS156
Practice Judging Halter
Price: $28.00

Practice Judging Halter is an onscreen instructional material that includes five classes. The classes include yearling Quarter Horse stallions, yearling Quarter Horse fillies, two-year-old Quarter Horse geldings, aged Quarter Horse geldings, and yearling stallions. The horses can be evaluated from the side, front, and rear. All classes have official placings, cuts, and printable reasons composed in Word. The practice judging halter classes are built in PowerPoint and have excellent image quality. This CD-ROM is appropriate for high school and college instruction.

Feeds & Feeding

Unit

U1013a
General Facts on Livestock Feeding, 8p (bundle of 10)
Price: $10.00

Transparencies

T131
Animal Nutrition, 72 fr., w/guide
Price: $65.00

Kit

AK-19
Feedstuff Education Kit, complete kit with CD
Price: $165.00

AK-19.2
Feedstuff Education, CD-ROM only
Price: $38.50

Feedstuff Education Kit is designed to assist in the instruction of feeds and animal nutrition. This instructional material includes 27 commonly used feed ingredients and 6 processed feeds packaged in protective plastic jars. The kit includes an instructor’s CD-ROM. The CD-ROM is an onscreen instructional material composed in PowerPoint. Information included on the CD-ROM is feedstuff sources, feed processing, nutritional composition, and terminology. Term quizzes, keys, and student handouts are also included.

Horses

Units

U1042
Horse Management, 20p
Price: $2.75

An introduction to horse care that touches on anatomy, breeds, facilities, equipment, feeding, and health care.
U1043
**Horse Reproduction**, 12p
Price: $2.00

Learn the basics about breeding, foaling, and care of the mare, stallion, and foal.

**Transparencies**

T150
**Horse Transparencies**, 40 fr.
Price: $35.00

T151
**Approved Practices for Horses**, 40 fr.
Price: $27.35

This material has information on parts of the horse, parts of the hoof, common hoof and legs problems, and conformation tips. It touches on genetics, health, reproduction, and management topics.

**Meats**

**CD-ROMS**

MDS100a
**Retail Meat Cut Identification and Technology**
Price: $99.00

This instructional resource is designed to teach students how to identify retail cuts of meat as well as other practices utilized in meat judging career development events. The CD contains PowerPoint presentations featuring the same images as those on the Retail Meat Cut Flash Cards. The slides provide information on beef, pork, and lamb retail cut identification, location of cut on the carcass, and cooking methods, as well as primal cut identification and definitions of the different types of cuts. Tables are used to demonstrate how to properly identify each cut.

Presentations include a regular set with images and text descriptions of the cuts, a practice contest that includes a combination of 25 images, and an interactive quizzes presentation that allows the user to identify the proper cut among three. It also includes presentations on grading and meat formulation, as well as worksheets to calculate yield grades, preliminary yield grades, formulation word problems, and measuring of the rib eye area. In all, the CD contains over 650 slides.

MDS100a-10
**Retail Meat Cut Identification and Technology Quiz Pack**, 10 CD-ROMs containing practice set, practice contest, and interactive quizzes from MDS100a
Price: $250.00
X180c
Retail Meat Cut Flash Cards
Price: $75.00

These flashcards will help students learn to identify retail cuts of meat. The sturdy box contains 175 cards featuring beef, lamb, pork, and variety meat cuts, including all available retail cuts on the National FFA and 4-H meat judging lists.

Each card has a high-quality color photo of the cut on the front side and a brief description, as well as identification for FFA and 4-H contests, on the back. The box also includes detailed section cards with reference photos of each cut of meat. Measures 24” x 36”.

X181
Cuts of Beef/Variety Cuts Poster
Price: $7.00

This poster features the beef and variety cuts from the Retail Meat Cut Flash Cards. Get it with the Cuts of Pork/Lamb Poster and hang them on your classroom wall to use as a quick reference guide for your students. Printed on sturdy, high-quality paper; measures 24” x 36”.

X182
Cuts of Pork/Lamb Poster
Price: $7.00

This poster features the pork and lamb cuts from the Retail Meat Cut Flash Cards. Get it with the Cuts of Pork/Lamb Poster and hang them on your classroom wall to use as a quick reference guide for your students. Printed on sturdy, high-quality paper; measures 24” x 36”.

X183
Set of Two Posters (Beef/Variety and Pork/Lamb)
Price: $12.00

This set includes two posters (Cuts of Beef/Variety Cuts and Cuts of Pork/Lamb). Together, the two posters feature all available retail cuts on the National FFA and 4-H meat judging lists. Use these attractive 24” x 36” posters as a supplement to the Flash Cards.
**Sheep**

**Transparencies**

T140  
**Sheep Transparencies**, 50 fr.  
Price: $45.00

T141  
**Sheep Health Management Calendar**, 15 fr.  
Price: $15.00

**Small Animals & Companion Animals**

**Transparencies**

T155  
**Raising Rabbits**, 21 fr., with guide  
Price: $25.00

**Miscellaneous**

**Units**

U1005  
**Common Livestock Diseases**, 20p  
Price: $2.75

U1026b  
**Digestion in Animals**, 8p  
Price: $3.00

Learn about the basics of animal digestion. The publication features color illustrations throughout; covers digestion in the mouth, stomach, small and large intestine, as well as absorption of digested foodstuffs.

U1026b-PK  
**Digestion in Animals**, bundle of 10  
Price: $27.00

U1032  
**Castrating, Docking & Dehorning**, 8p (bundle of 10)  
Price: $10.00

U1053  
**Using Rope in Animal Agriculture**, 12p  
Price: $1.35
U1065
Caring for Animals, 16p
Price: $1.75

Presents an overall view of humane animal care, from the goals of an animal project to its well-being, quality assurance, and show ring ethics.

U1066
The Basics of Aquaculture Production, 24p
Price: $6.25

SETU1066
The Basics of Aquaculture Production, bundle of 10
Price: $60.00

This publication provides an overview of commercial and noncommercial fish production. The unit is composed for both the classroom setting and as a resource for the information-seeking individual.

Topics covered in The Basics of Aquaculture Production include:
- Introduction to Aquaculture
- History of Aquaculture
- Methods of Production
- Types of Aquaculture Production
- Feeding
- Water Quality
- Fish Anatomy
- Life Cycle of a Fish
- Aquatic Plants
- The Aquatic Food Chain

Each subject area includes a descriptive approach to understanding and managing an aquaculture system. The 24-page publication is filled with colored images, illustrations in each section, and is composed in an easy-to-read, nontechnical format.

CD-ROM

MDS250
Dairy Foods
Price: $35.00

This CD-ROM is an excellent tool to teach dairy food quality and evaluation, and to prepare students for the Dairy Foods Career Development Event. PowerPoint presentations with images and descriptions cover the following topics: introduction to dairy foods; milk samples and how to evaluate defects; cheese identification; milker units; California mastitis test; and dairy vs. non-dairy foods. The CD contains 142 slides.