

Here is a list of the presentations available in the PowerPoint Library on the Toolbox jump drive. Contents of the Tennessee Master Goat Producer's Manual are also listed here as that manual supports the presentations of that program (in TMMGP folder). Contents of the NCAT Small Ruminant Resource Manual are listed in a separate document in the Small Ruminant Resource Manual folder.

### NCAT Toolbox presentations folder:

**Body condition score, goats**—6 slides. Linda Coffey. Pictures of goats; not formal scores but generally “thin,” “moderate,” “too fat.” Use as needed.

**Building a Workshop**—11 slides. Linda Coffey. This one is to use for discussion purposes when training trainers. Use the slides (all text, bullet points) to trigger discussion among participants of their approaches and experiences in hosting successful workshops for producers. Are these the steps they take? If not, what do they do differently? What additional hints would they suggest? Make this interactive and see what the group will teach and share.

**Checksheet Overview and Whole Farm Planning**—Don't Miss the Target: Planning for Farm Success—50 slides. Margo Hale and Linda Coffey. Introduces the concept and reasons to spend time and effort doing whole farm planning, and walks you through ATTRA's *Small Ruminant Sustainability Checksheet*, a tool for planning. You can give this in 45 minutes; have copies of the checksheet available for participants. Use this one when training agents about the toolbox.

**Controlling Internal Parasites in Small Ruminants**—29 slides. Ann Bartlett. What is the problem, and what are strategies for managing internal parasites in sheep and goats? Includes life cycle of parasites, pasture management, FAMACHA, use of copper wire boluses and of tannin-containing forages (sericea lespedeza). Use ATTRA's “Managing Internal Parasites in Sheep and Goats” as a handout for this topic. The “Tools for Managing Internal Parasites in Sheep and Goats” series will also be beneficial. All are included in the Small Ruminant Resource Manual.

**Getting Started with Meat Goats**—59 slides. Linda Coffey. This is an overview and fits in a one-hour time slot; you may be able to delete some slides to shorten. See the notes section for explanations.

**Grazing Goats**—43 slides. Linda Coffey. Includes forage quality, goat nutritional requirements (Greg Brann slides), goat behavior, principles of grazing goats, a few slides on poisonous plants and on predator control. Optional pictures of dog feeder design at the end. Lots of photos of goats browsing and grazing; this one can be given in 30 minutes, though 45 would be better to allow questions. Fencing is NOT included in this one.

**Health**—14 slides. Ann Bartlett. Nicely formatted, offers a good overview focused on preventing health problems and maintaining good health. Extensive notes.

**Introduction to ATTRA, sheep and goats, whole farm plan**—16 slides. Margo Hale. We used these as the start of a workshop to set the stage. First slides explain the ATTRA project. Following that are some “warmup” slides to introduce whole farm planning and the benefits and challenges of sheep and goat production. Slide 7 is currently pictures from the teacher’s farms; we suggest you put pictures in from the presenter’s farm as a way of starting conversations about the enterprises of the audience. Slide 8 is questions to ask the audience to get a better feel for their background and find out what they want to learn.

**Introduction to Organic Meat Goats and Lambs**—38 slides. The basics of organic production; should lead to an understanding of what is involved and guide producers to further information.

**Jeopardy for sheep and goats**—Rex Dufour, NCAT. This is set up for some basic questions but it would be excellent to use after 2 or 3 presentations had been given; customize the questions and answers to fit the content taught in the previous presentations, and divide participants into two teams to play the game. It offers a fun way to reinforce concepts and check whether teaching was effective. Change questions to suit your needs by opening in edit mode; when used in full screen, the game allows participants to choose category and level, and when you click the box it will jump you to the pertinent question; the next click takes you to the answer. Five categories and five levels of questions; speakers could send you their set to review their topic.

**Marketing Strategies for sheep and goat producers**—30 slides. Nick McCann and Hannah Lewis. This is a good tutorial about marketing.

**Multispecies Grazing, Fencing, and Housing**—49 slides. Linda Coffey. As the title says—these three topics are addressed in this presentation. You may want additional fencing information; it would be helpful to have some current cost estimates, for example. I like to ask producers to share what fences they are using, and whether or not they find it works well for them. Thanks to Jean-Marie Luginbuhl, NCSU, and Mark Kennedy, MO NRCS, for help with these slides. Lots of pictures, this one can be done in 30 minutes (45 would be better).

**Organic Production**—20 slides. Ann Bartlett. Similar to the other one in this folder in content, but different in approach. Notes make this a good tutorial. Lots of words on each slide; it might take the same amount of time as the longer one in this folder.

**Pasture finishing lambs or kids**—19 slides. Ann Bartlett. This colorful presentation offers extensive notes and information comparing management strategies for finishing slaughter lambs or kids.

**Recordkeeping, Marketing and Economics**—16 slides. Margo Hale. Several sample forms; good place for a discussion from the audience about when and how they keep records, and how they use the records. Marketing options and then a little bit on profitability. This is pretty brief but introduces concepts and is a good starting point for audience participation. Slide 15 illustrates the impact of doe maintenance cost and productivity on breakeven price for market kids. Can be modified to use for sheep and lambs as well (just change selling weight and adjust the math).

**Small Ruminant Production—An Overview**—92 slides. Linda Coffey. This one was designed to fill 1 ½ hours; it includes review questions and could easily be broken into at least 3 parts.

Roughly broken into:

- overview of sheep and goats
- discussion of grazing preferences, and multispecies grazing
- profitability, and factors affecting it
- how to choose which species to raise

This last part looks at “productivity”—especially gain, exploring more of the differences between sheep and goats and helping to show why “feedlot goats” are not economically viable. It closes with a few slides showing the situations where goats shine. You might want to clip out sections of this rather than use the whole presentation. The original plan was to follow it with “Getting Started with Meat Goats.”

**Using the Toolbox**—11 slides. Linda Coffey. The toolbox contains several types of materials from several sources. This presentation is an orientation to the contents and to the possible uses. We encourage you to make the Toolbox your own by adding folders as space allows. During trainings, allow participants to follow along and explore the toolbox as you talk about each component. This will take 30 minutes at least.

**What Sheep and Goats Can Do For You**—35 slides. Margo Hale and Linda Coffey. This is the framework of the webinar we did in 2009, which is posted on the ATTRA website under “multimedia” section. It was 45 minutes of presentation and we answered 15 minutes of questions. Because of the tight time frame we chose to hit some of the advantages and challenges of sheep and goats, and then spend extra time exploring marketing options. If you want this for a tutorial, feel free to refer clients to the ATTRA webinar.

### **Susan Schoenian folder:**

**Breeding Better Sheep** (Susan Schoenian)—35 slides. Presentation includes basic information on genetics and breeding, including discussion on crossbreeding. Also has more in-depth genetics and breeding information, including heritability and performance testing.

**Income Opportunities with Sheep and Goats** (Susan Schoenian)—56 slides. Introduction to sheep and goat production. Includes pros and cons of small ruminants, deciding between sheep and goats, types of enterprises, basic production needs, breeds, breeding, and economics.

**Integrated Parasite Management in Small Ruminants** (Susan Schoenian)—86 slides. An extensive presentation on internal parasites of sheep and goats. Includes the various parasites that affect small ruminants, parasite life cycle, common and novel treatment strategies, dewormers, fecal egg counts, FAMACHA, and the five-point check. Don't miss the summary slide!

**Nutrition of the Ewe and Lamb** (Susan Schoenian)—32 slides. This presentation discusses ewe nutrition from breeding until weaning and lamb nutrition from birth to weaning.

**Small Ruminant Health** (Susan Schoenian)—48 slides. A presentation on small ruminant health. Health topics include biosecurity, the healthy animal, immunity, vaccinations, parasite control, hoof care, and scrapie.

**Targeted Grazing** (Susan Schoenian)—21 slides. Title: Goats and Sheep: A Weapon Against Weeds. A presentation introducing basic information on choosing and managing animals for targeted grazing. This presentation would be good to pair with a producer who is doing targeted grazing work.

**Teeth, Tags, and a TSE** (Susan Schoenian)—29 slides. Includes information on teeth—correct and incorrect bites and aging, with great pictures. Also includes information on different types of tags, how and why to tag animals, and tagging requirements for scrapie (a tse).

## **Tennessee Master Goat Producer Program presentations and manual folder:**

(Note: presentations are labeled by chapter and author initials; not descriptive names. Some chapters are more than one part. Listed below are chapters as the presentation is named, and the title of the presentation. **These presentations may be used in their entirety, and may be shared as a tutorial; they may not be modified.**)

Chapter 1: **Marketing**

Chapter 2: **Business and Financial Planning and Management for Meat Goat Operations**—94 slides. Included in here are sample records; slides 28, 37-40; a budget on slide 60, and kidding sensitivity information

Chapter 2 : **Goats: Value-Added Products**—14 slides. Includes ideas of various products and nutritional comparisons of goat versus cattle products.

Chapter 2: **Introduction to Value-Added Goat Products**—22 slides. Options and tips.

Chapter 3: **Health**—103 slides. Informative; some great pictures and notes.

Chapter 4: **Nutrient Management in Mixed Specie Pastures for Goats**—30 slides . An Peischel,. Excellent graphics, excellent concepts; would be useful to have the author present.

Chapter 4: **Forages 2**—34 slides. Excellent concepts, photos, tips for grazing.

Chapter 4: **Forage Considerations for the Goat Herd**—79 slides. Lots of technical information; nice pictures of forages. Rotational grazing information.

Chapter 5: **Silvopasture in Southeast**—21 slides.

Chapter 5: **Introduction to Silvopasture**—65 slides. Excellent slides covering soil compaction and forage growth and rest; see slides 40 and following. Some graphs need explanation, but great pictures and unique and useful information in this presentation.

Chapter 6: **Understanding Genetics for Use in Goat Production**—108 slides. “Pick your buck” exercise at the end; explanation of breeding values, EPD’s, heritability, use of ratios, and more. Technical.

Chapter 7: **Reproductive Management of Meat Goat Operations**—59 slides. Drawings illustrate reproductive workings, and presentation explains factors affecting reproduction.

Chapter 8: **Nutrition**—89 slides. Very informative.

Chapter 9: **Part 1: Meat Goat Carcass Merit**—35 slides. Great pictures; informative.

Chapter 9: **Part 2: Meat Goat Carcass Fabrication**—58 slides. Continues from examining the animal live and on the rail to how to cut it up. Clear drawings.

Chapter 10: **Environmental Factors Affect Nutrient Requirements for Goats**—30 slides. An Peischel. This presentation needs An’s commentary; she has written on the subject and included that article in the manual. Read that article along with this presentation.

Chapter 11: **Meat Goat Structures/Equipment**—47 slides.

Chapter 12: **Predators and Predation**—64 slides. Some pictures.

**Manual**—Final—412 page pdf 2009. Created with the same general idea as the NCAT manual, but with different content; this is complementary and includes a lot of great articles that I had not previously seen. As with the NCAT manual, it is handy to pull an article on a subject; just be sure to specify which pages you want when you print. The chapters of the manual correspond to the chapters noted on the powerpoint presentations; look in the manual for expanded information to supplement the presentations.

This manual includes chapters (use bookmarks to navigate) as follows:

## **Tennessee Master Goat Producers Manual: 2009**

1. Marketing
  - TN Goat Industry
2. Business and Financial Management
  - 1: Meat Goat Operations
  - 2: Value-added Products
3. Health and Biosecurity
  - Integrated Parasite Management
  - Holistic Health by Minimizing Stress
  - Health Management and Maintenance for Meat Goats Browsing Native Vegetation
4. Forage considerations for the Goat Herd
  - Poisonous Plants
5. Silvopasture in the Southeast
  - Keys for Silvopasture Understory Management
6. Genetics and Breeding
  - Breeds (and how to use information in previous article)
7. Reproduction
8. Nutrition
  - Nutrients and Requirements
  - Feeds and Feed Additives
  - Energy and Protein Nutrition
  - Nutrient Management in Mixed Specie Pastures
9. Carcass Merit & Fabrication
  - 1: Carcass Merit
  - 2: Fabrication
10. Environment
  - Environmental Factors Affect Nutrient Requirements
11. Facilities, Fencing and Equipment
  - Fencing
  - Structures and Equipment
12. Predators and Predation
  - Livestock Guardian Dog
13. Behavior
  - Behavior and Natural Resource Management
  - Body Condition Scoring

Understanding the Essence of Goat Meat in Human Nutrition

Carbohydrate Reserves

Behavior Depends on Consequences

Learn What to Eat and What to Avoid

Grazing Response Index

Nutrients Influence Palatability

References and Resources

Exams and Evaluations

See the Small Ruminant Course at <https://attra.ncat.org/oasdf/> for additional, narrated PowerPoints, short video clips—including one on hoof trimming—and tipsheets on marketing sheep and goats. Business planning resources are also found on this page.