



Tennessee Team on Antimicrobial Resistance

Background

Antimicrobial resistance is an emerging problem in animal and human health. Judicious antimicrobial use is critical in all sectors where these compounds are used. The Tennessee Department of Health, in partnership with the Tennessee Department of Agriculture, has received funding for a campaign to address judicious antimicrobial use in veterinary and agricultural settings through the CDC Get Smart on the Farm program. The Tennessee Team on Antimicrobial Resistance (TTAR) has been formed to lead antimicrobial resistance and judicious antimicrobial use educational efforts.

Tennessee Team on Antimicrobial Resistance (TTAR) is a coalition of members from:

- Tennessee Department of Health (TDH)
- Tennessee Department of Agriculture (TDA)
- Tennessee Cattlemen's Association (TCA)
- UT College of Veterinary Medicine
- UT Extension
- Tennessee Veterinary Medical Association
- American Association of Bovine Practitioners
- Large animal veterinarians... and others!

Current and Proposed TTAR Activities:

- Initial focus on **beef cattle production**
- Support and promote existing programs
- Conduct educational outreach
- Survey cattle producers to collect relevant data and direct future educational efforts
- Expand to include companion animal focus
- Support and conduct applied antimicrobial use and resistance research

Beef Cattle in Tennessee

- Tennessee's #1 agricultural commodity
- \$483,000,000 annual sales
- 48,000 beef producers
- Ranked 9th in United States in number of beef cows
- 2,200,000 beef cattle



TTAR supports and promotes:

• Tennessee Master Beef Producer Program offered by the University of Tennessee Extension:

<http://animalscience.ag.utk.edu/beef/MasterBeefProducerProgram.htm>



• The Tennessee Cattlemen's Association and the TCA Beef Quality Assurance Program:

TCA Beef Quality Assurance Program
<http://www.tncattle.org/>



Attended TCA Annual Convention and Trade Show—January, 2007

- Interacted with cattle producers, industry, and pharmaceutical representatives
- Promoted appropriate antimicrobial use with TTAR trade show booth
- Presented slide show and poster display
- Distributed educational materials including appropriate use guidelines and "antibiotic purchase and use" notepads
- Conducted face-to-face TTAR business meeting

Reaching Cattle Producers Not Allied With Industry or Producer Groups

Buyer Cards:

- Used at all TN cattle auctions
- Concise messaging
- Important contact information
- Distributed by TDA



TTAR Website:

<http://www2.state.tn.us/health/CEDS/antibiotics/TTARindex.htm>

- General program information, judicious use guidelines
- Poster, slide presentation, and buyer card for download
- BQA and FDA judicious use guidelines links
- Links to TTAR members including Get Smart on the Farm

Antibiotic Purchase Bags:

- Idea originated from UT Extension and Farmers Co-op vaccine cooler bag, <http://www.tncattlelane.org>
- Antimicrobial use and management information, including injection site diagram, on bags used for antimicrobial sales

Proposed Pilot Project: Respiratory Illness Among Stocker Operations

- Initiate education about resistance and appropriate use
- Describe "shipping fever" etiology, prevalence, and antimicrobial susceptibility, and guide empirical treatment
- Reduce inefficient and improper antimicrobial use
- Encourage use of veterinary and laboratory services
- Promote valid veterinarian-client-patient relationships

TTAR Summary

- Varied perspectives and disciplines represented
- Successful distribution of educational materials regarding antimicrobial resistance and judicious antimicrobial use
- Ongoing funding is necessary to sustain / enhance efforts

