

# Bovine Reproductive Ultrasound Training Agenda

Middle Tennessee Research & Education Center

Sept 29th & 30th, 2020

## Tuesday, September 29<sup>th</sup>

- 9:00 AM – 9:15 AM: Check in; description of the facilities; introductions; review agenda
- 9:15 AM – 10:00 AM: Ultrasound Theory, physics, and interpretation
- 10:00 AM – 11:00 AM: Review reproductive anatomy and embryonic & fetal development
- 11:00 AM – 12:00 PM: Introduction to equipment and features
- 12:00 PM – 1:00 PM: Lunch
- 1:00 PM – 2:00 PM: Pregnancy diagnosis and assessment of fetal viability
- 2:00 PM – 3:00 PM: Scan tracts; Image interpretation practice
- 3:00 PM – 4:30 PM: Open cow evaluation, ovarian dynamics
- 4:30 PM – 5:30 PM: fetal gender determination

## Wednesday, September 30<sup>th</sup>

- \*9:00 AM – 11:30 AM: Beef heifers (n = 35; app. 60-160 days post AI)
- 11:30 AM – 12:30 PM: Lunch
- 12:30 PM – 1:00 PM: Fetal aging and pathology
- 1:00 PM – 2:00 PM: Oocyte aspiration discussion
- 2:00 PM – 3:30 PM: Dairy cows (n = 20; app. 30-130 days post AI)
- 3:30 PM – 4:00 PM: Final questions and Evaluation

\*Will discuss with the class about beginning earlier in the morning depending on drive time for those commuting. Additional time would be used for either scanning more beef cattle, more practice with open cows, or early release (depending on weather and availability of cattle).



Programs in agriculture and natural resources,  
4-H youth development, family and consumer sciences,  
and resource development.  
University of Tennessee Institute of Agriculture,  
U.S. Department of Agriculture and county governments cooperating.  
UT Extension provides equal opportunities in programs and employment.

## Location

The Middle Tennessee Research and Education Center is located on Highway 31 N in Spring Hill, Tennessee.



## Directions

### I-65 South from Nashville

Exit 53 - Saturn Parkway

Go west (Parkway goes west only) approximately 3 - 4 miles

At split, take "Highway 31 South Columbia" ramp

Ramp loops down onto Highway 31 heading south

Travel approximately 1 mile to MTREC entrance

(GM Plant will be on the right and MTREC entrance will be on the left)

Large black and white sign with flagpole and picket fence opening and double drive

### I-65 North from Alabama

Exit 46 - Columbia/Chapel Hill

Go west on State Route 412 approximately 5 - 6 miles to Highway 31 (2nd traffic light)

Go north on Highway 31 approximately 6 miles to MTREC entrance

(GM Plant will be on the left and MTREC entrance will be on the right)

Large black and white sign with flagpole and picket fence opening and double drive