

## Integrated Approach for Managing Diseases and Parasites in Small Ruminants: Role of Browse

September 20, 2019

102 Mary Starke Harper Hall & CAENS Research and Demonstration Facility  
Tuskegee University, Tuskegee, AL 36088

The conventional method of parasite control by just using chemical de-wormers seems to be ineffective, especially to control barber pole worm – the most significant parasite causing a huge loss in small ruminant industry in the Southeast. For several reasons, this worm is developing resistance against most of the chemical dewormers available in the market. Now, it is the time to adopt an integrated approach for managing gastrointestinal parasites including barber pole worm. Moreover, external parasites, and infectious and other diseases play a crucial role in the health and well-being of small ruminants. Some of the diseases and parasites are also zoonotic (capable of affecting human). Producers and professionals must be aware of all these health problems and prevent them on time. This program aims to educate Extension professionals and producers on the major health problems of small ruminants and various strategies to prevent them. The focus of this year's training event is use of browse to promote health and wellbeing of small ruminants. Experts and researchers from Tuskegee University will be speaking at this event. There will be a lot of networking opportunity with experts and fellow producers at the event.

Workshop topics/activities (7:30 A.M. – 4:30 P.M.)

- Importance of integrated approach and highlights of ongoing work at Tuskegee University to minimize diseases and parasites in small ruminants
- Major diseases and parasites of small ruminants and their prevention, control, and treatment strategies
- Suitable browse and their appropriate use for keeping small ruminants healthy
- Growth period of browse species preferred by small ruminants
- Health condition of ewes raised in woodlands vs. silvopastures



### Site tour, demonstration, and hands-on activities:

Site tour and demonstration of grazing plots containing different types of browse species, discussion on different strategies to improve browse growth and utilization, general health inspection, use of FAMACHA card, condition score, hoof inspection and trimming, taking temperature, medication (injections, drenching, topical), fecal sample collection, fecal sample examination and identifying parasites eggs.

**Registration fee: \$25.00** (if pre-registered by **September 6, 2019**); **\$30.00** (after September 6, 2019). Working breakfast & lunch and afternoon snacks will be served and a package of educational materials including a FAMACHA card (\$13 value) will be provided to each participant. Send a **check payable to ‘Tuskegee University Livestock Program’**. Seats are limited to 30 participants. Few registration scholarships may be available for eligible producers – please inquire at this email [ukarki@tuskegee.edu](mailto:ukarki@tuskegee.edu)

Please reserve your seat today by **registering online** visiting this link <https://www.tuskegee.edu/programs-courses/colleges-schools/caens/cooperative-extension-program/livestock-program/upcoming-events> and sending the check (**payable to ‘Tuskegee University Livestock Program’**) to Ms. Yvonne Wright, 204 Morrison-Mayberry Hall, Tuskegee University Cooperative Extension Program, Tuskegee, AL 36088. Alternatively, you can send both the registration form and check to Ms. Wright ([ywright@tuskegee.edu](mailto:ywright@tuskegee.edu), Phone: 334-724-4440).

### **Driving direction**

- A. Driving from Montgomery:** Take I-85 North towards Atlanta, Take EXIT 32, toward Tuskegee/Franklin, Turn right onto Pleasant Springs Dr/Tuskegee-Franklin Rd. Continue to follow Pleasant Springs Dr., Turn left onto Franklin Rd. (Franklin Rd is just past CR-50, If you reach CR-81 you've gone a little too far), Continue driving for about 6 miles, Turn slight left onto W Montgomery Rd/AL-126 at the traffic light, Turn left at the next traffic light and enter the Tuskegee University gate (Lincoln Gate), Take first left immediately after the gate and drive to the stop sign, Turn right at the Stop sign, Turn left before the next Stop sign to the Parking lot behind the Mary Starke Harper Hall. There will be directional signs as well at some of the turning spots. Enter the building through the side doors, and go to Room 102 on the first floor (No need to take the stairs).
  
- B. Driving direction from Atlanta to the training venue:** Take I-85 S towards Montgomery (around 118 miles), Take EXIT 38, toward Tuskegee/Notasulga (0.2 mi) Turn left onto AL-81 (3.4 mi) (highway bends), Turn right onto Old Montgomery Road at the traffic light (Burger King on the left) (0.9 mi), Turn right at the traffic light and enter the Tuskegee University gate (Lincoln Gate), Take first left immediately after the gate, Turn right at the Stop sign, Turn left before the next Stop sign to the Parking lot behind the **Mary Starke Harper Hall**. There will be directional signs as well at some of the turning spots. Enter the building through the side doors, and go to **Room 102** on the first floor (No need to take the stairs).
  
- C. Driving direction from Birmingham, AL:** Take I-65 S towards Montgomery (around 89.5 mi), Merge onto I-85 N via EXIT 171 toward Atlanta. Follow the direction from Montgomery to the training venue as given in (A) above.

Contact for further information, questions, or concerns: Dr. Uma Karki, Phone: 334-727-8336, Email: [ukarki@tuskegee.edu](mailto:ukarki@tuskegee.edu)

### **Program Support Team**

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