



Cooperative Extension Program

## Legumes for Improving Pasture Productivity, Quality, and Animal Performance

March 29, 2019, 102 Mary Starke Harper Hall & CAENS Research and Demonstration Facility  
Tuskegee University, Tuskegee, AL



### Program Information

Tuskegee University Cooperative Extension Program is conducting one-day training on Sustainable Year-Round Forage Production and Grazing/Browsing Management: **Legumes for Improving Pasture Productivity, Quality, and Animal Performance**. The objective of this program is to educate livestock producers and field agricultural professionals on using legume forages and browse to improve soil quality, pasture productivity, and forage quality as well as animal health and performance. Legumes fix atmospheric nitrogen and enrich soil, thereby minimizing or avoiding the need for the application of chemical nitrogen fertilizers in pastures. Legumes usually have higher nitrogen content and lower fiber than most grass forages. Both of these parameters contribute to forage quality. Animals raised on pastures (and other grazing lands) that has appropriate proportion of leguminous forages and browse get better nutrition, remain healthy, and perform well. Animals' access to quality pastures minimizes the need for purchased hay and feeds, and saves farmers' money. Experts from Tuskegee University, Mississippi State University, and Alabama Natural Resources Conservation Service will be speaking at the event. Moreover, graduate students and participant farmers will be sharing their experience and findings. This will also be a good networking opportunity.

#### Major Training Topics/Activities

- Leguminous forages & browse for improving animal health and performance
- Cultivation and management practices of legume-grass-mixed forages & their role in improving pasture productivity and quality
- Strategies to supplement animals raised on grass-legume-mixed forages (and browse)
- Conservation plan for sustaining grazing lands
- Farmers-speakers' roundtable discussion



**Site tour and hands-on activities:** soil sample collection & packaging, legume seed inoculation, legume and non-legume forages & browse, demo; Rain Simulation Demo: Effect of different grazing practices on soils; Goat farm open-pasture demo and discussion on legume and non-legume forages; Atkins silvopasture and woodland site tour and discussion on trees, forages, and browse

**Registration fee:** None. Working lunch will be provided to the pre-registrants.



**Pre-registration by March 15<sup>th</sup> is required for the management purpose.**

Please reserve your place by registering today using one of these methods: 1) **registering online** visiting this link <https://www.tuskegee.edu/programs-courses/colleges-schools/caens/cooperative-extension-program/livestock-program>, clicking the “Upcoming Events” tab, and completing the registration form for this event; 2) **mailing the completed registration form** to: Ms. Yvonne Wright, 201 Morrison-Mayberry Hall, Tuskegee University Cooperative Extension Program, Tuskegee, AL 36088; 3) **email or fax the completed registration form** to Dr. Uma Karki at [ukarki@tuskegee.edu](mailto:ukarki@tuskegee.edu), fax: 334-724-4344.

**Driving Direction to the Training Venue (102 Mary Starke Harper Hall)**

- 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 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).
- B. Driving direction from Atlanta to the training venue:** Take I-85 S towards Montgomery (around 118 miles), Take EXIT 38, towards 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 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 towards Atlanta. Follow the direction from Montgomery to the training venue given in (A) above.

Any question about the program must be directed to Dr. Uma Karki, Phone: 334-727-8336, Email: [ukarki@tuskegee.edu](mailto:ukarki@tuskegee.edu)

**Program Support Team**

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The Tuskegee University Cooperative Extension Program offers educational programs to persons regardless of race, color, national origin, sex, age, veteran status, or disability and is an equal opportunity employer.