**A** **HOUSE RESOLUTION**

TO RECOGNIZE AND HONOR DR. JAMES R. FREDERICK, PROFESSOR OF CROP PHYSIOLOGY AND SMALL GRAINS AT CLEMSON UNIVERSITY, FOR HIS OUTSTANDING RESEARCH AND ECONOMIC LEADERSHIP THAT HAS LED TO SOUTH CAROLINA’S PRODUCTION AND MARKETING OF CROPS USED AROUND THE WORLD FOR FUEL AND FOOD.

Whereas, the members of the South Carolina House of Representatives are grateful for the dedicated contributions that Dr. James R. Frederick has made to benefit conservation and economic development in the Pee Dee and in the Palmetto State; and

Whereas, a professor in the Entomology, Soils, and Plant Sciences Department at Clemson University, he earned bachelor’s and master’s degrees in agronomy from Pennsylvania State University and a doctorate in agronomy from the University of Illinois; and

Whereas, studying the science and technology of utilizing plants for food and fuel, Dr. Frederick has centered his research interest around the significant use of *Panicum virgatum*, known as switchgrass, as a biofuel, an initiative that benefits South Carolina farmers and rural communities along the Interstate 95 corridor; and

Whereas, the wide‑scale local switchgrass production has helped to fill the economic void resulting from the decline of markets for the region’s long‑established crops of cotton and tobacco and to waylay the many deleterious effects from the production and burning of fossil fuels; and

Whereas, in 2012, he planted almost seven hundred varieties of *Poplus nigra*, commonly called the black poplar, to ascertain the varieties best suited as bioenergy stock and as base for making hybrids with P. deltoids, the local eastern cottonwood that grows in the United States; and

Whereas, in 2008, Dr. Frederick was honored by the South Carolina Soil and Water Conservation Society for his efforts in establishing a 1.2‑mile‑long outdoor education trail at the Clemson University’s Pee Dee Research and Education Center near Florence; and

Whereas, dedicated in April 2007, the trail contains an abundance of information on natural resources found in the Pee Dee region’s agricultural, forest, lake, wetland, and urban ecosystems; and

Whereas, the members of the South Carolina House of Representatives appreciate the significant economic and ecological contributions that James Frederick has made to our State through his dedication to conservation, crop research, and economic development. Now, therefore,

Be it resolved by the House of Representatives:

That the members of the South Carolina House of Representatives, by this resolution, recognize and honor Dr. James R. Frederick, professor of crop physiology and small grains at Clemson University, for his outstanding research and economic leadership that has led to South Carolina’s production and marketing of crops used around the world for fuel and food.

Be it further resolved that a copy of this resolution be provided to Dr. James R. Frederick.

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