Topic: Resource partitioning and management strategies in water-limited cotton production systems

Background: Dr. Irish Pabuayon is a Research Assistant Professor in the Department of Plant and Soil Science at Texas Tech University. She earned her bachelor's degree in chemistry from the University of the Philippines – Los Baños and later received her MS and PhD degrees in Plant and Soil Science from Texas Tech University. Before joining the Texas Tech faculty, Dr. Pabuayon worked as a postdoctoral research associate in the Department of Plant and Soil Science at Texas Tech. She also served as an Assistant Professor of Agronomy at the Louisiana State University AgCenter H. Rouse Caffey Rice Research Station. She also worked as a field crop researcher and soil chemist at the International Rice Research Institute (IRRI) in the Philippines.

Research Interests: Dr. Pabuayon's research focuses on field-based projects on whole-plant physiology, irrigation management in water-deficit system, carbon and nutrient partitioning, fertilizer management, high-throughput phenotyping, and sustainable crop production. The primary goal of her research is to deepen the understanding of how resource use and management strategies, integrated with new technologies and genetic advancements, can be fine-tuned to improve the efficiency, productivity, quality, and profitability of cotton and other relevant field crops in Texas.