

AGRONOMY SEMINAR SERIES

FALL 2025

MONDAY, OCTOBER 20, 2025

2:30 P.M.

LILY 2-425

Attend virtually via Zoom

Seminar links will be posted at: purdue.ag/agryseminars



Caio Canella Vieira is an Assistant Professor of soybean breeding at the University of Arkansas, where he leads the University's soybean breeding program. Before joining the University of Arkansas, Canella Vieira earned his M.S. and Ph.D. in Plant Breeding, Genetics, and Genomics from the University of Missouri. His program in Arkansas targets the development and release of high-yielding conventional and herbicide-resistant soybean cultivars with broad biotic and abiotic stressors tolerance. The program puts efforts into identifying and incorporating economically important traits from genetically diverse accessions into modern, high-yielding genetic backgrounds. Substantial efforts are also made to maximize the efficiency of the soybean breeding program through the implementation of genomic prediction strategies across various stages of the pipeline.

DR. CAIO CANELLA VIEIRA

ASSISTANT PROFESSOR OF SOYBEAN BREEDING

UNIVERSITY OF ARKANSAS

HOST: DR. KATY RAINEY

Breeding Soybeans for Stress Resilience in the Mid-South

Soybean production in the U.S. mid-South often faces a range of yield-limiting biotic and abiotic stressors. This talk will highlight ongoing efforts to develop soybean varieties with improved resilience to multiple stressors. Topics will include the utilization of genomics and phenomics to characterize the genetic architecture of soybean tolerance to flooding, off-target herbicide exposure, and root-knot nematode resistance.



Agronomy