

Georgia Peanut Commission Research Report Day

Wednesday, February 7, 2024 @ 9:00 a.m.

NESPAL Seminar Room, UGA Tifton Campus

Tentative Schedule

9:00 a.m.	Call to Order, Welcoming Comments	
9:10 a.m.	Investigating Efficient and Cost Effective Precision Soil Sampling Strategies for Site-Specific Nutrient Management in Peanuts	Virk
9:20 a.m.	Investigating Precision Spray Technologies for Fungicide Applications in Peanut	Virk
9:30 a.m.	The Georgia Peanut Evaluation Program	Branch
9:40 a.m.	Precision Peanut Planter Kit to Improve Seed Metering and Placement	Rains / Porter
9:50 a.m.	Adjusting In-Season Trigger Levels for Maximizing Peanut Growth and Yield	Porter
10:00 a.m.	Continuance of a long term Sustainability Program for Peanut Production in Georgia Utilizing the Field to Market Field Print Calculator 2023	Porter
10:10 a.m.	Development and Evaluation of Cultivars with Disease Resistances to Increase On-Farm Profitability	Holbrook
10:20 a.m.	Genetic and Genomic Characterization of MAGIC Peanut for Fine Mapping and Breeding Application	Guo
10:30 a.m.	Sources of Burrow Bug Infestation in Peanut	Snyder
10:40 a.m.	Breeding for multiple disease resistance using field and genetic tools	Webb (Ozias-Akins)
10:50 a.m.	BREAK	
11:00 a.m.	Utilizing Peanut Volatile Organic Compounds (VOCs) to Detect Aspergillus in Peanut Plants, Pods, and Kernels	Sabo
11:10 a.m.	Digitizing Peanut Flower Counts and Distribution Patterns Through 3D Imaging Using Mobile Systems	Lu
11:20 a.m.	Improved understanding of thrips and TSWV ecology in the peanut production system of Georgia and implications for management	Srinivasan
11:30 a.m.	Identification and utilization of new sources of resistance to White Mold in wild tetraploid Arachis for peanut improvement	S. Bertioli
11:40 a.m.	Selection of A. stenosperma-derived advanced lines with strong resistance to LLS using association analyses	S. Bertioli
11:50 a.m.	Introgression of disease and pest resistance traits from wild species for sustainable peanut improvement	D. Bertioli
12:00 noon	New Sources of RKN resistance from the Wild Species A. stenosperma: germplasm release, cultivar development, and pyramiding with foliar disease resistance	D. Bertioli
12:10	LUNCH	
12:20 p.m.	University of Georgia Agronomic Research & Extension Programs to Address Economic Sustainability of Peanut Production	Montfort
12:30 p.m.	University of Georgia Cooperative Extension County Agent Programs	Montfort
12:40 p.m.	Georgia Peanut Achievement Club for Recognizing Whole-Farm Peanut Yields	Montfort
12:50 p.m.	Incorporating Volumetric Water Content (Capacitance) Sensors into the Irrigator Pro-Based Irrigation Scheduling Tool	Vellidis
1:00 p.m.	Predicting Harvest Maturity and Enhancing Yield and Quality of Peanuts Using Sensor-based System and Economic Appraisal	Mahapatra
1:10 p.m.	Physiological seed quality: Impact of drought at flowering and fruiting.	Pilon

1:20 p.m.	Spray induced gene silencing against spotted wilt virus on peanut	Bag
1:30 p.m.	Long-term Germplasm Enhancement and Development of DNA Molecular Marker Resources for Peanut	N. Brown
1:40 p.m.	Evaluation and Development of High-Throughput Phenotyping Technologies for Peanut	Rui Xu
1:50 p.m.	Impact of Seed Rate on Peanut Water-Use Efficiency and Yield: 3rd Year	Leclerc
2:00 p.m.	Adaptation of New Fungicides and Application Strategies for Control of Early & Late Leaf Spot of Peanut	Culbreath
2:10 p.m.	Effect of In-Furrow and Foliar Insecticide Treatments on Tomato Spotted Wilt and Yield in New TSWV Resistant Cultivars and Breeding Lines	Culbreath
2:20 p.m.	Rootworm Population Dynamics and Management	Abney
2:30 p.m.	Evaluating Planting Arrangement, Herbicide Persistence, and Weed Management using Cereal Rye Cover Crop in GA Peanut	Grey
2:40 p.m.	The Peanut Research Foundation	S. Brown
3:00 p.m.	Adjourn	