

Georgia Peanut Commission Research Report Day

Wednesday, February 5, 2025 @ 9:00 a.m.

NESPAL Seminar Room, UGA Tifton Campus

9:00 a.m.	Call to Order, Welcoming Comments	
9:10 a.m.	'GEORGIA-23RKN' A N+B9:C44ew High-Yielding, Normal-Oleic, TSWV-Resistant and RKN-Resistant, Runner-Type Peanut Variety	Branch
9:20 a.m.	University of Georgia Agronomic Research & Extension Programs to Address Economic Sustainability of Peanut Production	Monfort
9:30 a.m.	University of Georgia Cooperative Extension County Agent	Monfort
9:40 a.m.	Georgia Peanut Achievement Club for Recognizing Whole-Farm Peanut Yields	Monfort
9:50 a.m.	Development of Seed-applied and In Furrow Treatments to Insure the Establishment of Peanut Stands in Georgia	Brenneman
10:00 a.m.	Adjusting In-Season Trigger Levels for Maximizing Peanut Growth and Yield	Porter
10:10 a.m.	Continuance of a long term Sustainability Program for Peanut Production in Georgia Utilizing the Field to Market Field Print Calculator 2023	Porter
10:20 a.m.	BREAK	
10:30 a.m.	Converting Peanut Oil from a Non-drying oil to a Drying-oil in order to Create a High-value Alternative to Linseed, Tung and other Plant-based Oils for Timber Oils and Coatings	Ritchie via TEAMS
10:40 a.m.	Evaluating Planting Arrangement, Herbicide Persistence, and Weed Management using Cereal Rye Cover Crop in GA Peanut	Lindell / Basinger via Teams
10:50 a.m.	Assessment of Prohexadione Calcium and Postemergence Herbicide Tank-Mixtures in Peanut – Year 2	Grey / Bowen
11:00 a.m.	Development and Evaluation of Cultivars with Disease Resistances to Increase On-Farm Profitability	Holbrook
11:10 a.m.	Breeding for multiple disease resistance using field and genetic tools	Webb (Ozias-Akins)
11:20 a.m.	Utilizing Peanut Volatile Organic Compounds (VOCs) to Detect Aspergillus in Peanut Plants, Pods, and Kernels	Sabo
11:30 a.m.	Exploring Flower Distribution and Underground Sensing for Peanut Phenotyping and Maturity Estimation	Lu
11:40 a.m.	Improved understanding of thrips and TSWV ecology in the peanut production system of Georgia and implications for management	Srinivasan
11:50 a.m.	Development of peanut varieties with stem rot resistance and potentially more synchronous maturity using marker assisted selection	Biswal
12:00 noon	Lunch	

12:10 p.m.	Introgression of new sources of resistance to White Mold in wild tetraploid <i>Arachis</i> for peanut improvement	S. Bertioli via TEAMS
12:20 p.m.	Development of <i>A. stenosperma</i> , <i>A. batizocoi</i> and <i>A. valida</i> - derived advanced lines with strong resistance to LLS and rust	S. Bertioli via TEAMS
12:30 p.m.	New Sources of RKN resistance from the Wild Species <i>A. stenosperma</i> : germplasm release, cultivar development, and pyramiding with foliar disease resistance	D. Bertioli via TEAMS
12:40 p.m.	Benchmarking the Peanut Crop Coefficient Curve Using Remote Sensing	Vellidis
12:50 p.m.	Precision Peanut Planter Kit to Improve Seed Metering and Placement	Rains / Porter
1:00 p.m.	Developing a Laboratory Rearing Protocol for Rootworm	Abney
1:10 p.m.	Adaptation of New Fungicides and Application Strategies for Control of Early & Late Leaf Spot of Peanut	Culbreath
1:20 p.m.	Effect of In-Furrow Seed and Foliar Insecticide Treatments on Tomato Spotted Wilt and Yield in New TSWV Resistant Cultivars	Culbreath
1:30 p.m.	Comparing in-furrow insecticides in single and twin row pattern at different plant populations.	Tubbs / Abney
1:40 p.m.	Break	
1:50 p.m.	Finding Novel, Non-Food Applications of Peanuts and By-products	Biswas via TEAMS
2:00 p.m.	Physiological seed quality: Impact of drought at flowering and	Pilon
2:10 p.m.	Breeding for drought resistance in Georgia peanut	Pilon
2:20 p.m.	Spray induced gene silencing against spotted wilt virus on peanut	Bag
2:30 p.m.	Long-term Germplasm Enhancement and Development of DNA Molecular Marker Resources for Peanut	N. Brown
2:40 p.m.	Evaluation and Development of High-Throughput Phenotyping Technologies for Peanut	Rodriguez-Sanchez
2:50 p.m.	Investigating the Potential for Older Herbicides to Be Used in Georgia Peanut Weed Management Programs	Prostko
3:00 p.m.	Break	
3:10 p.m.	Using Advanced Technological Methods for Correlating Weather Events and Productivity/Quality Across Georgia's Peanut Growing Regions	Bastos via TEAMS
3:20 p.m.	An Economic Analysis of the Value-Added Utilization of High-Oleic Peanuts as a Poultry Feed Ingredient to Produce Premium Eggs and Poultry Meat.	Toomer via TEAMS
3:30 p.m.	Optimizing <i>Aspergillus flavus</i> Biocontrol Application Methods for Improved Efficacy in Reducing Aflatoxin Contamination in Peanut	Fountain
3:40 p.m.	American Peanut Research and Education Society	Richard Owen
3:50 p.m.	The Peanut Research Foundation	S. Brown
	Adjourn	