Research Report Day to the GPC Board of Directors
Wednesday, February 9, 2022 @ 9:00 a.m.
NESPAL Seminar Room, UGA Tifton Campus

*All research reports are limited to the times indicated below.
*Researchers should **specifically note** any information not intended for public record on their one-page summary provided.

9:00 a.m.	Call to Order, Welcoming Comments	Donald Chase, GPC Research Chairman
9:10 a.m.	The Georgia Peanut Evaluation Program	Branch
9:20 a.m.	Evaluation of Soil Texture Versus Planter Parameters for Uniform Crop Emergence in Peanut	Porter
9:30 a.m.	Adjusting In-Season Trigger Levels for Maximizing Peanut Growth and Yield	Porter
9:40 a.m.	Establishment of a long term Sustainability Program for Peanut Production in Georgia Utilizing the Field to Market Field Print Calculator 2021	Groce-Reagin; Porter
9:50 a.m.	Long-term Germplasm Enhancement and Development of DNA Molecular Marker Resources for Peanut	N. Brown
10:00 a.m.	High-Throughput Phenotyping Technologies for Peanut	N. Brown
10:10 a.m.	**BREAK**	
10:20 a.m.	Transcriptional Responses in Wild Peanut Genotypes in Comparison with GA-06G Following Thrips-Mediated TSWV Transmission	Srinivasan
10:30 a.m.	Investigating and Implementing Precision Ag Practices for Site-Specific Nutrient Management in Peanuts	Virk
10:40 a.m.	Investigating Spray Parameters and Precision Technologies to Improve Fungicide Applications in Peanuts	Virk
10:50 a.m.	Can plant growth regulators enhance peanut seed germination and stand establishment? Year 2	Hurdle; Grey
11:00 a.m.	Compare High Oleic Cultivars for Physiological Trait Relationships for Seed Germination and Vigor with Respect to Harvest Timing: Year 1	Hurdle; Grey
11:10 a.m.	Fine Mapping and Candidate Gene Analysis of Novel QTLs for Resistance to TSWV and Leaf Spots in Peanuts	Guo/Culbreath
11:20 a.m.	Nonchemical-based Sprays for Triggering Host Resistance: A New Strategy to Manage Spotted Wilt Virus	Bag
11:30 a.m.	Test the Combined Effect of High Calcium and Biocontrol in Reducing Aflatoxin	Yang
11:40 a.m.	The Effect of Speed on Planter Performance for Furrow Depth and Seed	Tubbs
11:50 a.m.	Evaluation of In-Furrow Products on Peanut Seedling Emergence and Root Nodulation	Tubbs
12:00 noon	**LUNCH**	

12:30 p.m.	For Acquisition of Physiological Quality of Seeds from Georgia-06G and Georgia-16HO Year 3	Pilon
12:40 p.m.	Using Remote Sensing to Map In-Field Variability of Peanut Maturity	Vellidis
12:50 p.m.	Incorporating Volumetric Water Content (Capacitance) Sensors into the Irrigator Pro-Based Irrigation Scheduling Tool	Vellidis
1:00 p.m.	Precision Peanut Re-Planting with a Small Multi-Purpose Autonomous Rover	Rains
1:10 p.m.	Introgression and Utilization of Pest and Disease Resistance Genes from Wild Species for Peanut Improvement	D. Bertioli
1:20 p.m.	Introgression of a New Source of Strong Resistance to Root Knot Nematode from the Wild Species A. stenosperma into Elite Peanut Lines	D. Bertioli
1:30 p.m.	Utilizing New Wild Arachis Sources of Resistance to White Mold for Peanut Improvement	S. Bertioli
1:40 p.m.	Selection of A. stenosperma-derived Advanced Lines with Strong Resistance to LLS Using Association Analyses	S. Bertioli
1:50 p.m.	Crop Insurance as a Risk Management Strategy for Georgia Peanut Producers: An Investigation of the Effectiveness of Crop Insurance as a Safety Net for Peanut Producers from a Whole Farm Perspective	Luke-Morgan
2:00 p.m.	A Multi-Economic Analysis Program to Enhance the Sustainability of Georgia Peanut Producers	Fletcher
2:10 p.m.	Analysis of Potential Impacts of the 2023 Farm Bill on Georgia Peanut Producers	Fletcher
2:20 p.m.	The Peanut Research Foundation	S. Brown
2:30 p.m.	Adaptation of New Fungicides and Application Strategies for Control of Early & Late Leaf Spot of Peanut	Culbreath
2:40 p.m.	Effect of In-Furrow Seed and Foliar Insecticide Treatments on Tomato Spotted Wilt and Yield in New TSWV Resistant Cultivars	Culbreath
2:50 p.m.	Biology and Management of Peanut Burrower Bug in Georgia	Abney
3:00 p.m.	Rootworm Population Dynamics and Management	Abney
3:10 p.m.	Development and Evaluation of Cultivars with Improved Disease Resistances to Increase On-Farm Profitability	Holbrook
3:20 p.m.	Fungicide Sensitivity of *Sclerotium Rolfsii* (Causing White Mold) From Peanut in Georgia	Brenneman
3:30 p.m.	University of Georgia Cooperative Extension County Agent Programs	Monfort

3:40 p.m.	University of Georgia Agronomic Research & Extension Programs to Address Economic Sustainability of Peanut Production	Monfort
3:50 p.m.	Georgia Peanut Achievement Club for Recognizing Whole-Farm Peanut Yields	Monfort
4:00 p.m.	Peanut Storage Conditions Effect on Seed Respiration and Germination	Monfort
4:10 p.m.	Precision Breeding for Multiple Disease Resistance	J. Chu; Ozias-Akins
	Adjourn	