

Research Report Day to the GPC Board of Directors

Wednesday, February 10, 2021 @ 9:00 a.m.

Hybrid format of Zoom & in-person at the Georgia Peanut Commission office

*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.	Evaluation of Soil Texture vs. Planter Parameters for Uniform Crop Emergence in Peanut	Porter (Zoom)
9:20 a.m.	Adjusting In-Season Trigger Levels for Maximizing Peanut Growth and Yield	Porter (Zoom)
9:30 a.m.	Establishment of a long term Sustainability Program for Peanut Production in Georgia Utilizing the Field to Market Field Print Calculator 2020	Porter (Zoom)
9:40 a.m.	Determination and Comparison of Timing For Acquisition of Physiological Quality of Seeds from Georgia-06G and Georgia- 16HO: Year 2	Pilon (Zoom)
9:50 a.m.	Impact of Seed Rate on Peanut Water Use Efficiency and Yield	Leclerc (Zoom)
10:00 a.m.	The Peanut Research Foundation	S. Brown (in person)
10:10 a.m.	Break until 10:20 a.m.	
10:20 a.m.	Adaptation of New Fungicides and Application Strategies for Control of Early & Late Leaf Spot of Peanut	Culbreath (Zoom)
10:30 a.m.	Effect of In-Furrow Seed and Foliar Insecticide Treatments on Tomato Spotted Wilt and Yield in New TSWV Resistant Cultivars	Culbreath (Zoom)
10:40 a.m.	The Effect of Speed on Planter Performance for Furrow Depth and Seed Placement	Tubbs (Zoom)
10:50 a.m.	Long-term Germplasm Enhancement and Development of DNA Molecular Marker Resources for Peanut	N. Brown (Zoom)
11:00 a.m.	A Mobile Irrigator Pro-Based Irrigation Scheduling Tool for Increasing Irrigation Water Use Efficiency and Yield in Peanut	Vellidis (Zoom)

11:10 a.m.	Using Remote Sensing to Map In-Field Variability of Peanut Maturity	Vellidis (Zoom)
11:20 a.m.	A Multi-Economic Analysis Program to Enhance the Sustainability of GA Peanut Producers	Fletcher (in person)
11:30 a.m.	Analysis of Potential Impacts of the 2018 Farm Bill on GA Peanut Producers	Fletcher (in person)
11:40 a.m.	Rootworm Population Dynamics and Management	Abney (Zoom)
11:50 a.m.	Biology and Management of Peanut Burrower Bug in Georgia	Abney (Zoom)
12:00 noon	Lunch break	
12:30 p.m.	Fine Mapping and Candidate Gene Analysis of Novel QTLs for Resistance to TSWV and Leaf Spots in Peanuts	Guo (in person)
12:40 p.m.	Can plant growth regulators enhance peanut seed germination and stand establishment? Year 1	Nick Hurdle for Grey (Zoom)
12:50 p.m.	Understanding Viruliferous Thrips Dispersal Into Peanut Fields and TSWV Epidemics	Srinivasan (Zoom)
1:00 p.m.	Determining Biocontrol Options for Peanut Pests: A Molecular Approach	Schmidt/Abney (Zoom)
1:10 p.m.	Nonchemical-based Sprays for Triggering Host Resistance: A New Strategy to Manage Spotted Wilt Virus	Bag (in person)
1:20 p.m.	To Investigate the Re-emergence of TSWV and its Role in Increasing Yield Loss on Peanut in Georgia	Bag (in person)
1:30 p.m.	Precision Peanut Re-Planting with a Small Multi-Purpose Autonomous Rover	Rains (Zoom)
1:40 p.m.	Introgression and Utilization of Pest and Disease Resistance Genes from Wild Species for Peanut Improvement	D. Bertioli (Zoom)
1:50 p.m.	Introgression of a New Source of Strong Resistance to Root Knot Nematode from the Wild Species <i>A. stenosperma</i> into Elite Peanut Lines	D. Bertioli (Zoom)
2:00 p.m.	Selection of <i>A. stenosperma</i> -derived Advanced Lines with Strong Resistance to LLS Using Association Analyses	S. Bertioli (Zoom)

2:10 p.m.	Evaluation of ALS Resistant Yellow Nutsedge (<i>Cyperus esculentus</i>) in GA Peanut-Year 1	Basinger/Prostko (Zoom)
2:20 p.m.	Can Calcite Dissolving Bacteria Promote Peanut Pod Growth?-Year 2	Yang (Zoom)
2:30 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 (Zoom)
2:40 p.m.	Determine Level of Resistance to Fungicides in <i>Aspergillus Section Nigri</i> Associated with Peanut Seeds	Arias (Zoom)
2:50 p.m.	Development and Evaluation of Cultivars with Improved Disease Resistances to Increase On-Farm Profitability	Holbrook (Zoom)
3:00 p.m.	UGA College of Engineering Senior Design Capstone projects update	Kelley Saussy & Dean Leo (Zoom)
3:20 p.m.	University of Georgia Agronomic Research & Extension Programs to Address Economic Sustainability of Peanut Production	Monfort (in-person)
3:30 p.m.	University of Georgia Cooperative Extension County Agent Programs	Monfort (in-person)
3:40 p.m.	Georgia Peanut Achievement Club for Recognizing Whole-Farm Peanut Yields	Monfort (in-person)
	Adjourn	