

GEORGIA PEANUT COMMISSION
2020-2021 Research Project Proposals-Approved (as of 3.11.2020)

UGA Tifton Campus			APPROVED
Project Number	Project Title	Investigator(s)	2020-21
CPES-1-82/21	The Georgia Peanut Evaluation Program	Branch	35,000
UGAT-26-19/21	Long-term Germplasm Enhancement and Development of DNA Molecular Marker Resources for Peanut	N. Brown	25,000
CPES-29-86/21	Development and Evaluation of Cultivars with Improved Disease Resistances to Increase On-Farm Profitability	Holbrook	30,000
CPES-48-89/21	Adaptation of New Fungicides and Application Strategies for Control of Early & Late Leaf Spot of Peanut	Culbreath	7,500
CPES-161-09/21	Fine Mapping and Candidate Gene Analysis of Novel QTLs for Resistance to TSWV and Leaf Spots in Peanuts	Guo/Culbreath	20,000
CPES-173-11/21	Effect of In-Furrow Seed and Foliar Insecticide Treatments on Tomato Spotted Wilt and Yield in New TSWV Resistant Cultivars	Culbreath	7,000
UGAT-02-14/21	A Holistic Solution To Using Soil Moisture Data For Scheduling Irrigation	Liakos/Vellidis	12,000
UGAT-12-18/21	Using Remote Sensing to Map In-Field Variability of Peanut Maturity	Vellidis	10,000
UGAT-22-18/21	A Mobile Irrigator Pro-Based Irrigation Scheduling Tool for Increasing Irrigation Water Use Efficiency and Yield in Peanut	Vellidis	25,000
UGAT-11-15/21	Biology and Management of Peanut Burrower Bug in Georgia	Abney	7,948
UGAT-16-20/21	Rootworm Population Dynamics and Management	Abney	4,600
UGAT-23-18/21	Determining Biocontrol Options for Peanut Pests: A Molecular Approach	Schmidt/Abney	13,500
UGAT-27-19/21	The Effect of Speed on Planter Performance for Furrow Depth and Seed Placement	Tubbs	12,000
UGAT-15-16/21	Fungicide Sensitivity of <i>Sclerotium Rolfsii</i> (Causing White Mold) From Peanut in Georgia	Brenneman	17,874
UGA-17-20/21	Understanding Viruliferouse Thrips Dispersal Into Peanut Fields and Tomato Spotted Wilt Virus Epidemics	Srinivasan	7,100
UGAT-18-20/21	Can plant growth regulators enhance peanut seed germination and stand establishment? Year 1	Grey	15,000
UGAT-28-19/21	Determination and Comparison of Timing For Acquisition of Physiological Quality of Seeds from Georgia-06G and Georgia-16HO Year 2	Pilon	15,000

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UGAT-29-19/21	Evaluation of Soil Texture Versus Planter Parameters for Uniform Crop Emergence in Peanut	Porter	20,000
UGAT-19-20/21	Adjusting In-Season Trigger Levels for Maximizing Peanut Growth and Yield	Porter	18,000
UGAT-25-18/21	Establishment of a long term Sustainability Program for Peanut Production in Georgia Utilizing the Field to Market Field Print Calculator 2020	Porter	18,200
UGAT-30-19/21	Nonchemical-based Sprays for Triggering Host Resistance: A New Strategy to Manage Spotted Wilt Virus	Bag	15,000
UGAT-20-20/21	To Investigate the Re-emergence of Tomato Spotted Wilt Orthotospovirus and its Role in Increasing Yield Loss on Peanut in GA	Bag	15,000
UGA-02-16/21	Expansion of Resistance Sources to Leaf Spots and TSWV for Peanut Breeding	Ozias-Akins	15,000
UGAT-21-20/21	Precision Peanut Re-Planting with a Small Multi-Purpose Autonomous Rover	Rains	16,500
Total CPES/UGAT			\$ 382,222

Extension Service			APPROVED
Project Number	Project Title	Investigator(s)	2020-21
CES-12-87/21	University of Georgia Cooperative Extension County Agent Programs	Monfort	21,000
CES-59-15/21	University of Georgia Agronomic Research & Extension Programs to Address Economic Sustainability of Peanut Production	Monfort	42,000
CES-60-16/21	Georgia Peanut Achievement Club for Recognizing Whole-Farm Peanut Yields	Monfort	5,000
Total CES			\$ 68,000

Griffin Station			APPROVED
Project Number	Project Title	Investigator(s)	2020-21
GS-50-20/21	Impact of Seed Rate on Peanut Water-Use Efficiency and Yield	Leclerc	20,000
GS-51-05/21	2020 Hot Topics on Peanuts	Hung	2,000
Total GS			\$ 22,000

Athens Station			APPROVED
Project Number	Project Title	Investigator(s)	2020-21
UGA-42-16/21	Introgression and Utilization of Pest and Disease Resistance Genes from Wild Species for Peanut Improvement	D. Bertoli	29,900
UGA-43-20/21	Selection of A. stenosperma-derived Advanced Lines with Strong Resistance to LLS Using Association Analyses	S. Bertoli	30,000

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UGA-44-20/21	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. Bertoli	20,000
UGA-47-19/21	Evaluation of ALS Resistant Yellow Nutsedge (<i>Cyperus esculentus</i>) in GA Peanut-Year 2	Basinger/Prostko	13,000
UGA-48-19/21	Can Calcite Dissolving Bacteria Promote Peanut Pod Growth?-Year 2	Yang	5,000
Total AS			\$ 97,900

UGA-ENG			APPROVED
Project Number	Project Title	Investigator(s)	2020-21
UGA-ENG	Senior Design Teams		10,000
Total UGAENG			\$ 10,000

ABAC			APPROVED
Project Number	Project Title	Investigator(s)	2020-21
ABAC-01-19/21	A Multi-Economic Analysis Program to Enhance the Sustainability of Georgia Peanut Producers	Fletcher	25,000
ABAC-02-19/21	Analysis of Potential Impacts of the 2018 Farm Bill on Georgia Peanut Producers	Fletcher	24,000
ABAC-03-19/21	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	17,571
Total ABAC			\$ 66,571.00

NPF			APPROVED
Project Number	Project Title	Investigator(s)	2020-21
NPF-01-00/21	The Peanut Foundation	S. Brown	18,000
Total NPF			\$ 18,000

Other Projects			APPROVED
Project Number	Project Title	Investigator	2020-21
AEMN-01-12/21	Georgia Weather Network	Knox	5,000
NPRL-02-20/21	Determine Level of Resistance to Fungicides in <i>Aspergillus</i> Section <i>Nigri</i> Associated with Peanut Seeds	Arias	20,000
Nino Brown	Peanut Breeding		40,000
The Peanut Institute			10,000
Total for Other Projects			\$ 75,000

**FY2020-2021
Approved Projects
Subtotal \$ 739,693**