

GEORGIA PEANUT COMMISSION

2023-2024 Research Projects

AS OF: 4/11/23

UGA Tifton Campus

Project Number	Project Title	Investigator(s)	Approved 2023-2024
1-CPES-1-82/24	The Georgia Peanut Evaluation Program	Branch	35,000
2-UGAT-26-19/24	Long-term Germplasm Enhancement and Development of DNA Molecular Marker Resources for Peanut	N. Brown	35,000
3-CPES-29-86/24	Development and Evaluation of Cultivars with Improved Disease Resistances to Increase On-Farm Profitability	Holbrook	35,000
4-CPES-48-89/24	Adaptation of New Fungicides and Application Strategies for Control of Early & Late Leaf Spot of Peanut	Culbreath	10,000
5-CPES-173-11/24	Effect of In-Furrow Seed and Foliar Insecticide Treatments on Tomato Spotted Wilt and Yield in New TSWV Resistant Cultivars	Culbreath	8,000
6-UGAT-31-21/24	Incorporating Volumetric Water Content (Capacitance) Sensors into the Irrigator Pro-Based Irrigation Scheduling Tool	Vellidis	19,000
7-UGAT-16-20/24	Rootworm Population Dynamics and Management	Abney	10,000
8-UGA-33-21/24	Improved understanding of thrips and TSWV ecology in the peanut production system of Georgia and implications for management	Srinivasan	7,639
9-UGAT-28-19/24	Physiological seed quality: Impact of drought at flowering and fruiting.	Pilon	15,000
10-UGAT-39-22/24	Precision Peanut Planter Kit to Improve Seed Metering and Placement	Porter/Rains	30,000
11-UGAT-19-20/24	Adjusting In-Season Trigger Levels for Maximizing Peanut Growth and Yield	Porter	20,000
12-UGAT-25-18/24	Continuance of a long term Sustainability Program for Peanut Production in Georgia Utilizing the Field to Market Field Print Calculator 2022	Porter	20,000
13-UGAT-30-19/24	Spray induced gene silencing against spotted wilt virus on peanut	Bag	30,000
14-UGAT-35-21/24	Precision Breeding for Multiple Disease Resistance	Ozias-Akins	22,000
15-UGAT-37-21/24	Investigating Efficient and Cost-Effective Precision Soil Sampling Strategies for Site-Specific Nutrient Management in Peanuts	Virk	12,000
16-UGAT-38-21/24	Investigating Precision Spray Technologies for Fungicide Applications in Peanut	Virk	15,000

17-UGAT-40-23/24	Development of seed-applied and in-furrow treatments to insure the establishment of peanut stands in Georgia	Brenneman	15,000
Total CPES/UGAT			\$ 338,639.00

Extension Service

Project Number	Project Title	Investigator(s)	Approved 2023-2024
18-CES-12-87/24	University of Georgia Cooperative Extension County Agent Programs	Monfort	30,000
19-CES-59-15/24	University of Georgia Agronomic Research & Extension Programs to Address Economic Sustainability of Peanut Production	Monfort	42,000
20-CES-60-16/24	Georgia Peanut Achievement Club for Recognizing Whole-Farm Peanut Yields	Monfort	5,000
Total CES			\$ 77,000.00

Griffin Station

Project Number	Project Title	Investigator(s)	Approved 2023-2024
21-GS-51-23/24	2023 Hot Topics on Peanuts	Hung/Soval	2,500
Total Griffin Station			\$ 2,500.00

Athens Station

Project Number	Project Title	Investigator(s)	Approved 2023-2024
22-UGA-42-16/24	Introgression of disease and pest resistance traits from wild species for sustainable peanut improvement	D. Bertioli	25,000
23-UGA-43-20/24	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	25,000
24-UGA-49-18/24	Introgression of new sources of resistance to White Mold in wild tetraploid <i>Arachis</i> for peanut improvement	S. Bertioli	25,000
25-UGA-44-20/24	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	25,000
26-UGA-50-23/24	Digitizing Peanut Flower Counts and Distribution Patterns Through 3D Imaging Using Mobile Systems	Guoyu Lu/Ozias-Akins	20,000
27-UGA-51-23/24	Evaluating Planting Arrangement, Herbicide Persistence, and Weed Management using Cereal Rye Cover Crop in GA Peanut	Basinger/Grey	10,000
Total Athens Station			\$ 130,000.00

UGA College of Engineering

Project Number	Project Title	Investigator(s)	Approved 2023-2024
28-UGA-ENG	Engineering Intern		5,000
29-UGA-ENG	Senior Design Teams		5,000
Total UGA ENGINEERING			\$ 10,000.00

ABAC

Project Number	Project Title	Investigator(s)	Approved 2023-2024
30-ABAC-01-19/24	A Multi-Economic Analysis Program to Enhance the Sustainability of Georgia Peanut Producers	Fletcher	25,000
31-ABAC-02-19/24	Analysis of Potential Impacts of the 2023 Farm Bill on Georgia Peanut Producers	Fletcher	25,000
Total ABAC			\$ 50,000.00

NATIONAL PEANUT RESEARCH FOUNDATION

Project Number	Project Title	Investigator(s)	Approved 2023-2024
32-NPF-01-00/24	Fine Mapping and Candidate Gene Analysis of Novel QTLs for Resistance to TSWV and Leaf Spots in Peanuts	Culbreath/Guo	20,000
33-NPF-01-00/24	The Peanut Research Foundation	S. Brown	18,000
Total NPF			\$ 38,000.00

Other Projects

Project Number	Project Title	Investigator	Approved 2023-2024
34-Nino Brown	Evaluation and Development of High-Throughput Phenotyping Technologies for Peanut	N. Brown	50,000.00
35-The Peanut Institute			10,000
Total for Other Projects			\$ 60,000.00

FY 2023-2024 Proposed Research Projects

\$ 706,139.00