

GEORGIA PEANUT COMMISSION
2018-2019 Research Project Proposals
AS OF: 2/6/18

UGA Tifton Campus			APPROVED
Project Number	Project Title	Investigator(s)	2018-19
1-CPES-1-82/19	The Georgia Peanut Evaluation Program	Branch	35,000
2-CPES-29-86/19	Development and Evaluation of Cultivars with Improved Disease Resistances to Increase On-Farm Profitability	Holbrook	30,000
3-CPES-48-89/19	Adaptation of New Fungicides and Application Strategies for Control of Early & Late Leaf Spot of Peanut	Culbreath	7,000
4-CPES-161-09/19	Development and Validation of User-friendly Markers from the Identified QTLs for Resistance to TSWV and Leaf Spots in Breeding Selection	Guo/Culbreath	22,000
5-CPES-173-11/19	Effect of In-Furrow Seed and Foliar Insecticide Treatments on Tomato Spotted Wilt and Yield in New TSWV Resistant Cultivars	Culbreath	6,000
6-UGAT-NEW	Predicting Harvest Date for New Peanut Varieties and Disease Control Strategies	Kvien	14,500
7-UGAT-02-14/19	A Holistic Solution To Using Soil Moisture Data For Scheduling Irrigation	Vellidis	12,000
8-UGAT-04-14/19	Determination of Optimal Timing for Peanut Irrigation Trigger Levels--continuation	Porter/Tubbs	15,000
9-UGAT-05-14/19	Thrips population monitoring	Abney	2,450
10-UGAT-09-15/19	Single and Dual Shank Subsoiling and Inoculant Rate Evaluation for Twin Row Peanut	Tubbs	5,000
11-UGAT-11-15/19	Biology and Management of Peanut Burrower Bug in Georgia	Abney	7,536
12-UGAT-	Using Remote Sensing to Map In-Field Variability of Peanut Maturity	Vellidis	15,000
13-UGAT-15-16/19	Maximizing control of soilborne diseases and Nematodes of peanut with Cultivars and Fungicide Application Strategies	Brenneman	12,000
14-UGAT-16-16/18	A reliable method to assess spotted wilt incidence and its contribution to yield loss in peanut production –continuation	Srinivasan/Monfort	7,100
15-UGAT-14-17/19	Compare GA-06G to other peanut cultivars for physiological trait relationships for seed germination, vigor, stand establishment, and production: year 2	Grey/Pilon	15,500

UGA Tifton Campus**APPROVED**

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16-UGAT-19-17/19	Identification of physiological and metabolic mechanisms as indicators of drought tolerance in peanut plants-year 2	Pilon	10,000
18-UGAT-21-17/19	Anatomical Features Contributing to Higher Peanut Yield under Drought and Heat Stress	Pilon/Kvien	14,000
19-UGAT-NEW	A Mobile Irrigator Pro-Based Irrigation Scheduling Tool for Increasing Irrigation Water Use Efficiency and Yield in Peanut	Porter	25,000
20-UGAT-NEW	Determining Biocontrol Options for Peanut Pests: A Molecular Approach	Schmidt/Abney	10,000
Total CPES/UGAT			\$ 265,086

Extension Service**APPROVED**

Project Number	Project Title	Investigator(s)	2018-19
21-CES-12-87/19	University of Georgia Cooperative Extension County Agent Programs	Monfort	21,410
22-CES-59-15/19	University of Georgia Agronomic Research & Extension Programs to Address Economic Sustainability of Peanut Production	Monfort	42,000
23-CES-60-16/19	Georgia Peanut Achievement Club for Recognizing Whole-Farm Peanut Yields	Monfort	5,000
24-UGAT-NEW	UGA Extension Peanut Weed Management Program	Prostko	8,000
Total CES			\$ 76,410

Georgia Station**APPROVED**

Project Number	Project Title	Investigator(s)	2018-19
27-GS-47-16/19	The Influence of Planting Dates on Water Use and Yield in Peanut: A Field-Scale Evaluation (2nd Year)	Leclerc	15,000
28-GS-51-05/19	2018 Hot Topics on Peanuts	Hung	2,000
Total GS			\$ 17,000

Athens Station			APPROVED
Project Number	Project Title	Investigator(s)	2018-19
29-UGA-42-16/18	Introgression and Utilization of Pest and Disease Resistance Genes from Wild Species for Peanut Improvement	Jackson	30,000
32-UGA-NEW	Identification of New Sources of Resistance to TSWV in Wild Tetraploid Arachis for Peanut Improvement	S. Bertioli	30,000
33-UGA-NEW	Introgression of Strong Resistance to Root Knot Nematode from the Wild Species <i>A. stenosperma</i> Into Elite Peanut Lines	D. Bertioli	30,000
Total AS			\$ 90,000

UGA-ENG			APPROVED
Project Number	Project Title	Investigator(s)	2018-19
36-UGAENG-NEW	Smartphone-based App for Determining Peanut Maturity	Johnsen	12,900
Total UGAENG			\$ 12,900

NPF			APPROVED
Project Number	Project Title	Investigator(s)	2018-19
38-NPF-01-00/19	The Peanut Foundation	Brown	18,000
39-NPF	Marker-Assisted Breeding for Late Leaf Spot Resistance: Breeding Line Selection and Phenotyping	Ozias-Akins	15,000
Total NPF			\$ 33,000

Other Projects			APPROVED
Project Number	Project Title	Investigator	2018-19
40-AEMN-01-12/19	Georgia Weather Network	Flitcroft	5,000
42-NEW	Evaluation of Tillage Practices and Fungicide Management in Continual Peanut	Freeman	2,500
Total for Other Projects			7,500
Subtotal of all projects			\$ 501,896
Engineering Contingency			10,000
Economics Contingency			70,000
Total 2018-19 Research Funding			\$ 581,896