

2019 APRES Submitted Abstracts
(As of 4-11-2019)

Last Name	First Name	Abstract Title:
Abney	Mark	Organophosphate Alternatives for Rootworm Management in Peanut
Adhikari	Koushik	Consumer Acceptability of Peanut Based Beverages: Promoting Peanut Consumption in Malawi
Adhikari	Koushik	Nutritional Properties of Peanut Based Beverages: A Promising Solution for Undernutrition in Malawi and Possibly Beyond
Aigner	Benjamin	Life Cycle and Fecundity of Peanut Burrower Bug, <i>Pangaeus bilineatus</i> Say (Hemiptera: Cydnidae), in a Growth Chamber
Anco	Dan	In-Furrow Application of Phorate and Development of Late and Early Leaf Spot
Anderson	Bill	Incorporating Winter Cover Crops within a Cotton-Peanut Rotation in Georgia
Andres	Ryan	Development of an Early Generation Marker-Assisted Selection Strategy for Virginia-type Peanuts
Azevedo	Anna Julia	Effect of Winter Cover Crops on a Peanut – Cotton Rotation
Azevedo	Vania	Enriching the Value of Genetic Resources for Use in Peanut Improvement
Baldessari	Jorge	Relative importance of Variability Sources in Smut Resistance Assessment in Field Tests
Balkcom	Kris	New Metering Technology for Peanut Planting
Ballen-Taborda	Carolina	A New Source of Root-knot Nematode Resistance from <i>Arachis stenosperma</i> Incorporated into Allotetraploid Peanut (<i>Arachis hypogaea</i>)
Balota	Maria	'Walton', a New Virginia-Type Peanut Suitable for Virginia.
Barrow	Billy	Survey of Tillage Practices in Peanut Across the Virginia-Carolina Region.
Basak	Suma	Molecular mechanism of resistance to ACCase-inhibiting herbicide in southern crabgrass (<i>Digitaria ciliaris</i>) biotypes
Bennett	Rebecca	Growth Chamber Assay for Evaluating Resistance to <i>Sclerotium rolfsii</i>
Bertioli	Soraya	The Worldwide Influence of the Wild Species, <i>A. cardenasii</i> , on the Peanut Crop
Bertioli	Soraya	Wild-derived Resistance to Early and Late Leaf Spot caused by <i>Passalora arachidicola</i> and <i>Nothopassalora personata</i> in Peanut
Branch	Bill	Allelism Test between Crosses of High Oleic x High Oleic and Very High Oleic x Very High Oleic Peanut Genotypes.
Brenneman	Tim	Management of Peanut Root Knot Nematode with Nematicides Applied In Furrow or as Foliar Sprays.
Broster	Kayla	Comparison of Season Long Herbicide Programs in Peanut (<i>Arachis hypogea</i>)
Broster	Kayla	Nozzle Type and Application Pressure Effects on Weed Management in Peanut (<i>Arachis hypogea</i>)
Brown	Nino	Inheritance and Mapping of Albino Virescent-Leaf and Lutescent-Leaf Traits in Peanut.
Buol	Greg	Modification of the Peanut Risk Tool Developed at North Carolina State University.
Burow	Mark	QTLs for Leaf Spot Resistance, Yield, and Maturity in an Interspecific Peanut Introgression Population in West Africa and Texas using KASP Markers.
Campbell	Howard	Disease and Yield Response of Selected Peanut Cultivars to Low and High Input Fungicide Programs in Southeast Alabama
Cason	John	Screening for Resistance to <i>Sclerotinia minor</i> (Jaggers).
Chamberlin	Kelly	Screening for Resistance to Peanut Smut in Argentina
Chavarro	Carolina	Changes in Transcription of Transposable Elements in Peanut After Hybridization and Polyploidy
Chu	Juliet	Speed Breeding with Lumigrow LED light Accelerates Peanut Growth.
Chu	Juliet	A Major Seed Size QTL on Chromosome A05 of a Peanut Cultivar is Conserved in the U.S. Mini Core Germplasm Collection

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Clevenger	Josh	A New Nematode Resistant, High Oleic Virginia-type Peanut for the South East.
Culbreath	Albert	Residual Control of Leaf Spot from Single Applications of Pydiflumetofen.
Dang	Phat	Evaluation of Peanut Breeding Lines to Identify Differential Expressed Genes Involved in Leaf Spot Resistance
Davis	Brad	Supplemental Replanting of Gaps in Plant Stand Affects Peanut Production and Incidence of Tomato Spotted Wilt Virus.
de Aguila Morena	Leticia	Genotypic Variability Based on Physiological Traits of Peanuts Under Drought Stress
Dean	Lisa	Effects of a Spray Treatment on Secondary Metabolites in Runner Peanuts
Dillard	Brandon	Evaluation of Current Alabama Peanut Production Practices through Producer Surveys
Dotray	Peter	Peanut Response to Diclosulam.
Dufault	Nick	A Multiyear Study Examining Varying Fungicide Input Programs on Georgia-06G, TUFRunner 511 and FloRun 331 Disease Management.
Dunne	Jeff	Use of In Silico Digestion, Whole-Genome Sequencing and an Internal Reference Genome for Improved Efficiencies in Marker Detection for Virginia-type Peanuts
Eason	Kayla	Peanut Response to Sub-Lethal Rates of Dicamba + Glyphosate
Ferguson	Connor	Findings from the 2019 Survey of Mississippi Peanut Grower Application and Weed Management Practices
Fletcher	Stanley	Changes to the Peanut Grading Standards – Implications to Georgia Peanut Farmers
Fletcher	Stanley	Agriculture Improvement Act of 2018 – Implications to U.S. Peanut Farmers
Floyd	Allison	Using a Video Game to Teach Basic Peanut Agronomy to Preschoolers
Fonceka	Daniel	Mobilizing Genetic Diversity for Strengthening Peanut Breeding Program in Africa and the US.
Fountain	Jake	Genetic Transformation to Mitigate Drought and Aflatoxin-Related Losses in Peanut
Fulmer	Abraham	Mefentrifluconazole – A New Broad-Spectrum Demethylation Inhibitor for Use on Row and Specialty Crops.
Gao	Dongying	Development of New Synthetic Tetraploid Wild Peanuts.
Gimode	Davis	Characterizing a Peanut Chromosome Segment Substitution Line Population Using High Throughput Phenotyping
Gomillion	Mark	Peanut Cultivar Response to the Number of Fungicide Sprays in a Medium to High Risk Situation Based on the 2019 Peanut Rx
Gremillion	Sara	Lacking Culture: Obtaining Fungal DNA Directly from Early Leaf Spot of Peanut
Grey	Tim	Effects of POST Herbicide Application and Digging Date on Seed Development, Germination, and Vigor of Peanut Cultivars
Grichar	James	Weed Control and Peanut Response to Fluridone.
Guo	Baozhu	Fine Mapping and Identification of Candidate Genes in Chromosome A01 of Peanut for Resistance to TSWV
Hagan	Austin	Efficacy of Chlorothalonil Alternatives compared for Disease Control and Yield Response on Peanut
Hand	Lavesta	Peanut Response to Metribuzin
Hare	Andrew	Potential for Agronomic Crops in a Double Cropping System with Wheat (<i>Triticum aestivum L.</i>) in North Carolina.
Hassan	Mohammad Kamrul	Orange Peel Powder Increases Growth Promotion of Peanut by <i>Bacillus velezensis</i> PGPR Strains and Nodulation by Indigenous Rhizobia
Hassen	Abdi Mohammed	Fingerprinting and Aflatoxin Production of <i>Aspergillus</i> Section Flavi Associated with Groundnut in Eastern Ethiopia

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Hayes	Brian	Assessment of Evolving Peanut Fungicide Programs for Yield and Value in Southwest Georgia
Hoisington	Dave	Feed the Future Innovation Lab for Peanut Links U.S. Institutes with Global Partners
Holbrook	Corley	Field Evaluation of Peanut Lines with Introgressions Conferring Resistance to Late Leaf Spot
Hurdle	Nick	Seedling Peanut (<i>Arachis hypogaea</i>) Physiological Response to Flumioxazin
Hurry	Jarette	Examples of In-Service Educational Opportunities for Extension Agents in North Carolina.
Jiang	Tao	Genome-Wide Association Study of Sweet, Bitter and Roasted Sensory Attributes in Cultivated Peanut
Jordan	Brian	Evaluation of QoI Sensitivity in <i>Aspergillus</i> spp. Section Nigri from Peanut Fields in Georgia.
Jordan	David	Value of International Projects to Faculty in the United States: Examples of Participation by Individuals at North Carolina State University with the Peanut Innovation Lab.
Jordan	David	Developing a Peanut Maturity Profile Board for Malawi.
Kalina	Jacob	Evaluating Fluridone for Crop Tolerance and Weed Control in Peanut Production
Kaufman	Amanda	The Influence of Digging Date on Fatty Acid and Tocopherol Expression in Normal and High-Oleic Virginia Peanut Varieties Grown in North Carolina
Kaufman	Amanda	Assessing the Composition of a High-Oleic Peanut Cultivar Grown in North Carolina Using Various Pesticide Inputs
Kemerait	Bob	Addition of Thrips Category to Peanut Rx for Prediction of Risk to Spotted Wilt
Konstandini	Genti	The Effect of Enrollment on Training and Micro Credit Programs on Peanut Productivity: Evidence from Haiti
Kumar	Naveen	Phenotyping And Genotyping For Drought Tolerance In Virginia Type Peanut
Kumral	Fulya Eda	Genome Wide Association Study (GWAS) on Root-Knot Nematode Resistance in Cultivated Peanut
Lamb	Marshall	Peanut Yield and Quality Responses to Planting Date, Harvest Date, Cultivar, and Late-Season Flower Termination
Lee	Crystal	Alleviating Peanut Allergy Using the CRISPR/Cas System.
Levinson	Chandler	Harnessing the Wild Side of Peanuts: Morphological and Reproductive Characterization of Wild Peanut Relative-derived Synthetic Tetraploids
Li	Li	Construction of High Density Genetic Map and Mapping Quantitative Trait Loci for Growth Habit Related Traits of Peanut (<i>Arachis hypogaea</i> L.)
Li	Lin	Effects of Calcium Fertilizer on Enzyme Activities and Fertility of Barren Upland Red Soil planted with Different Grain-type Peanut
Lipsey	Brittany	Evaluating Current Caterpillar Pest Thresholds in Mississippi Peanut
Liu	Denwang	Effects of Calcium Fertilizer on Physiological and Biochemical Characteristics, and Resistance Gene Expression of Peanut Seedlings Under Waterlogging Stress
Liu	Juan	The Allelopathy of Autotoxic Compounds in Peanut Continuous Cropping Obstacle and Mitigation Mechanism
Luke-Morgan	Audrey	An Analysis of Crop Insurance as a Risk Management Strategy for U.S. Peanut Producers from a Whole Farm Perspective.
Mallard	Jason	Comparative Effectiveness and Profitability Between Fungicide Programs in Eastern Georgia

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Massa	Alicia	Gene Expression in the Interaction between <i>Aspergillus</i> and an Aflatoxin-Resistant Peanut Germplasm
Mauldin	Mark	On-Farm Evaluation of Nematicides in Peanut in the Florida Panhandle
McAmis	Shannon	Refinement of an Aflatoxin Prediction Model Using Field and Greenhouse Data to Elucidate Physiological Mechanisms of Aflatoxin Contamination in Peanut
Mochiah	B.	Summary of Interventions to Minimize Aflatoxin Contamination in Ghana at Pre-harvest and Post-Harvest Steps in the Supply Chain.
Monfort	Scott	Evaluation of Reduced Rates of Prohexadione Calcium (Plant Growth Regulator) on Peanut in Arkansas, Georgia, Mississippi, South Carolina and North Carolina.
Mulvaney	Michael	Nitrogen Credits after Peanut
Munir	Misbakhul	PCR-Based Detection of <i>Nothopassalora personata</i> on Peanut
Nadaf	Hajisab	Prevalent Moisture Stress in Climate Change Situation as a Selection Strategy for Drought Tolerance in Groundnut (<i>Arachis hypogaea L.</i>)
Patel	Jinesh	Genome-Wide Association Study of Pod and Seed Quality Traits in Peanut
Paula-Moraes	Sylvana	Pests Associated with Peanut and Current Baseline Susceptibility to Insecticides in the Florida Panhandle.
Pelham	Sara Beth	Development of a Web-Based Platform to Monitor Crop Stress in Peanuts Throughout the Growing Season.
Peper	Alan	Studying Peanut Pod Development within a Controlled Microbial System
Pilon	Cristiane	Peanut Seedling Vigor under Sub-optimal Growing Temperature
Price	Katilyn	Evaluation of Fluridone in Peanut
Price	Katilyn	Peanut Injury Evaluation of PPO Inhibitor Herbicides as Affected by Application Timings and Surfactants
Price	Tucker	Evaluating Fungicides for Reducing White Mold in Peanuts in Cook County, Georgia
Prostko	Eric	Peanut Response to Dual Magnum and Valor Under High Moisture Conditions
Rabinowitz	Adam	Determining the Relationship between Peanut Prices and Stocks-to-Use Ratio
Sarkar	Sayantan	High-Throughput Techniques to Estimate Leaf Area Index in Peanut.
Scholten	Matt	Amino Acid and Sucrose Reactions: Real Time Analysis using Gerstel TDU-GC/MS
Seebold	Kenneth	Inpyrfluxam: A New Active Ingredient for Control of Southern Stem Rot of Peanut
Simpson	Charles	Selection for Two Seeded Pods in Consecutive Generations of the Wild Species <i>Arachis Monticola</i> Krapov. & Rigoni
Singh	Navjot	Determining the Impact of Planting Pattern on Water-use Efficiency of Peanut
Sobolev	Victor	Inhibition of Aflatoxin Production in <i>Aspergillus</i> in the Course of Peanut-Fungus Interaction
Song	Yangyang	Peanut Immaturity Could be a Stress Event on Seedling Vigor Throughout Generations
Stuart	Matthew	Effect of Fungicide Programs on Plant Health, Maturity, Yield, and Quality on Peanut in Georgia
Suassuna	Tais	Relationship Among Field and Post-harvest Evaluations of Spotted Wilt in <i>Arachis</i> Germplasm
Taylor	Sally	Acephate and Alternative Foliar-applied Insecticides for Thrips Control
Tillman	Barry	Peanut Cultivar Response to <i>S. rolfii</i> Inoculation in the Absence of Fungicides in a Medium Risk Situation Based on the 2019 Peanut Rx
Tonnis	Brandon	Analysis of Genotype and Environment Interaction Revealed Oleic Acid Plasticity in Peanuts
Traore	Sy	Development of a Suitable Gene Editing System in Peanut

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Treadway	Zachary	Determining the Effect of Prohexadione Calcium Growth Regulator on the Growth and Yield of Peanuts (<i>Arachis hypogaea</i>) in Mississippi
Treadway	Zachary	Achieving an Optimal Prohexadione Calcium Rate by Developing New Methods for Dosing in Mississippi Peanut (<i>Arachis hypogaea</i>)
Tubbs	Scott	Timing of Termination for Supplemental Replanted Peanut to Maximize Yield and Grade
Tyson	William	Evaluating Peanut White Mold Fungicide Programs in Bulloch County, Georgia
Vaughn	Justin	Resolving Genes for White Mold Resistance in Peanut Using Large-population QTL-seq Coupled with Iterative Genotyping (iQTL-seq)
Virk	Gurpreet	Planting Conditions Influence Early Season Vigor of Peanut Cultivars
Wang	Chuan Tang	Production of Transgenic Peanuts with Enhanced Low temperature Tolerance
Wang	Jianping	Natural Mutations in Peanut Genomes Involved in Nodulation.
Wang	Xu	Characterization of ACC Deaminase Producing Bacteria Isolated from Peanut Root Nodules
Waters	Kalyn	The Value of On-farm Demonstrations
Weaver	Caleb	Peanut Seed Germination and Seedling Emergence as Affected by Storage Conditions
Wei	Xing	Early Detection of Southern Stem Rot of Peanut Utilizing Spectral Reflectance and Thermal Imaging Technologies
Wright	Graeme	Satellite-based Real-time Monitoring of Peanut Fields Using Multispectral and Synthetic-aperture Radar Imagery
Wright	Graeme	Marker Development for Blanchability in Peanuts.
Wynn	Keith	Fungicide Efficacy Trial Promotes Agent Training Through Experiential Learning
Yaduru	Shasidhar	Nested Association Mapping (NAM) Population-based Joint Linkage Mapping and GWAS for Identification of Consistent QTLs/QTNs for Disease and Pod Traits in Peanut.
Yang	Xinlei	Genome-wide Identification and Expression Analysis of bZIP Gene Family under Drought Stress in Peanut
Yu	Jianmei	Effectiveness of Different Proteases in Reducing Raw Peanut Allergenicity
Zhang	Hui	GWAS and Co-expression Network Reveal Ionomic Variation in Peanut
Zhao	Nannan	Identification and Expression Analysis of WRKY Gene Family under Drought Stress in Peanut (<i>Arachis hypogaea</i> L.)
Zurweller	Brendan	Above- and Below-Ground Evaluation of Peanut Genotypes for Improving Soil Water Acquisition and Utilization