

**2018 APRES Submitted Abstracts**  
(As of 4-5-2018)

Last Name	First Name	Abstract Title:
Abney	Mark	Evaluating New Tactics for Southern Corn Rootworm, <i>Diabrotica undecimpunctata</i> , Management in Peanut
Agarwal	Gaurav	High-density Genetic Map Using Whole-genome Re-sequencing for Fine Mapping and Candidate Gene Discovery for Disease Resistance in Peanut
Agarwal	Gaurav	Recombination Bin-Map Facilitates QTL Mapping of Disease Resistance Traits in Peanut ( <i>Arachis hypogaea L.</i> ) Using Whole Genome Re-sequencing
Anco	Dan	Peanut Yield Loss in the Presence of Late or Early Leaf Spot Defoliation
Ballen-Taborda	Carolina	Mapping of resistance to root-knot nematode from the wild species <i>A. stenosperma</i> and introgression into peanut <i>Arachis hypogaea L.</i>
Balota	Maria	Peanut Variety and Quality Evaluation – 50 Years of Regional Testing
Barrow	Billy	Using the Peanut Belt Research Station to Enhance County Programs in Bertie County North Carolina
Bennett	Rebecca	Resistance to <i>Sclerotium rolfsii</i> and <i>Phoma arachidicola</i> in the U.S. Mini-core Collection
Bertioli	Soraya	A Detective Tale: The Worldwide Influence of the Wild Species <i>Arachis cardenasii</i> on the Peanut Crop Revealed Through the Lens of Genome Analyses
Bertioli	David	The Genome Sequence of Peanut
Bradley	Art	Summary of Farmer Practices in the Virginia-Carolina Region Related to Digging and Harvesting Peanut
Branch	Bill	Drought-Induced Small-Plants within the Pure-Line Runner-Type Peanut Cultivar, 'Georgia-10T'
Brenneman	Timothy	Effects of Seed Treatments and In Furrow Sprays on Peanut Plant Stands, Diseases and Pod Yield
Burow	Mark	Evaluation of the U.S. Minicore Collection under Water Deficit in Three States
Butts	Christopher	Quality Changes During Long Term Farmers' Stock Storage
Campbell	Lee	Disease and Yield Response of Two Peanut Cultivars to Recommended Fungicide Programs at Two Alabama Locations
Cannon	Ethalinda	PeanutBase: New Genome Assemblies and Breeding Support
Carroll	Mike	Influence of Quick-SOL and Peg Power on Peanut Yield in Small-Plot Research
Cason	John	Introgression Pathway for Drought Tolerance in Peanut ( <i>Arachis hypogaea L.</i> )
Chagoya	Jennifer	Evaluation of a Drought Tolerant, High Oleic, Disease Resistant Runner Population
Chamberlin	Kelly	Examination of the High-Oleic Trait Effect on Germination of Peanut Seed
Chavarro	Carolina	Tetrasomic Recombination in a Recombinant Inbred Line Population Confirmed Through Whole Genome Re-sequencing
Chen	Charles	Genome-Wide Association Study of Sweet, Bitter and Roasted Peanut Sensory Attributes in Cultivated Peanuts
Christman	Lindsey	Biological Activity of Peanut Skins as a Functional Food Ingredient
Chu	Ye	Major QTLs for Resistance to Early and Late Leafspot Diseases are Identified in Chromosome 3 and 5 in Peanut ( <i>Arachis hypogaea</i> )

**2018 APRES Submitted Abstracts**  
(As of 4-5-2018)

Clevenger	Josh	The Next Generation of Peanut Genomics
Cobos	Christopher	Comparative Gene Expression and Biochemical Analysis of Aspergillus-Resistant and Susceptible Peanut ( <i>Arachis hypogaea</i> ) Testa Cell Walls
Codod	Clarence	Examining Peanut Rx 2.0 and the Component Models to Improve Forecast of Spotted Wilt Severity on Peanuts in Georgia
Culbreath	Albert	Mixtures of Sulfur with Sterol Biosynthesis Inhibiting Fungicides for Management of Late Leaf Spot of Peanut
Curry	Shane	Evaluating Peanut Cultivars Using a Reduced Cost and a Premium Fungicide Program
Dafny Yelin	Mery	Evaluation of Virginia-type Germplasm for <i>Sclerotium rolfsii</i> Tolerance in Field Conditions
Dang	Phat	Evaluation of the US Mini-core Collection to Identify Drought Tolerant Genotypes Utilizing Environmental Control Rainout Shelters
Dankyi	A.A.	Survey on the Adoption of Peanut Production Technologies following Research and Education Programs with PMIL
Dean	Lisa	A Metabolomics Approach to the Volatile Compound Profiles of Raw and Roasted Peanuts
Dillard	Brandon	Comparison of On-Farm Irrigation Scheduling Practices in Southeast Alabama Peanut Production
Dunne	Jeffrey	Genomic Diversity Characterization and Genome-wide Association Mapping of the North Carolina State University Peanut Breeding Lines and Virginia-type Cultivars
Eason	Kayla	Peanut and Weed Response to Postemergence Herbicide Tank-Mixtures Utilizing Paraquat
Edwards	Phillip	Providing Peanut Education Through County Extension Efforts
Ellison	Craig	History and Changes in Production and Pest Management in the Old Peanut Belt in North Carolina
Fabreti	Beatriz	Drought Stress Effects on Physiological Mechanisms of Peanuts Genotypes
Feng	Yucheng	Responses of Symbiotic Nitrogen Fixation to Rehydration after Drought Stress in Peanut Genotypes
Ferguson	J Connor	Towards Increased Understanding of Prohexadione-calcium Rates When Applied to Stress-induced Peanut
Fletcher/Shi	Stanley	Demand for Peanuts
Fletcher/Ruiz	Stanley	Representative Peanut Farms 2016 Net Cash Flow
Fletcher	Stanley	U.S. Peanut Cost of Production
Fountain	Jake	Investigating the Role of Reactive Oxygen Species (ROS) in Host- <i>Aspergillus flavus</i> Interactions Under Drought Stress Using Genetic Engineering
Fountain	Jake	The Hunt for the "Silver Bullet": Reference Genome Development and Comparative Genomics Analysis of Field Isolates of <i>Aspergillus flavus</i> for Identification of Aflatoxin Regulators
Gimode	Davis	Tracking of Wild Allele Introgressions In a Peanut Chromosome Segment Substitution Line Population
Goyzueta Altar	Marco	The Peanut Black Pod Trait as an Alternative Determine Peanut Seed Maturity.
Goyzueta Altar	Marco	Development of a New Protocol to Screen Peanut Genotypes with Superior Vigor by Assessing Root Architecture Traits

**2018 APRES Submitted Abstracts**  
(As of 4-5-2018)

Grichar	William J.	Peanut Response to Anthem Flex applied Preemergence, at Cracking, or Postemergence
Grimes	Lance	Thrips Control in Peanut in North Carolina with Insecticides Applied During Planting and After Peanut Emergence
Guilford	Curtis	Virginia-Carolina Peanut iPIPE: Data Sharing to Improve Disease Risk Models
Guimaraes	Larissa	Growth Habit and Phenotypic Variation Among Tifrunner, GT-C20, and their F1 hybrids
Guo	Baozhu	Genome-Wide Association Study of Agronomic and Disease Resistance Traits Using Peanut Nested Association Mapping Populations
Hagan	Austin	Velum Total and AgLogic 15G compared for Peanut Root-Knot Control and Yield Response on Root-Knot Susceptible and Resistant Peanut Cultivars.
Hancock	Wesley	Morphological Characterization and Genomic Analysis of <i>Arachis hypogaea</i> × <i>A. diogeni</i> Introgression Lines
Hare	Andrew	Impact of Weed Management on Peanut Yield and Weed Populations the Following Year
Harris	Glen	Evaluation of Aspire as a Boron Source for Peanut
Hassen	Abdi	Fingerprinting and Aflatoxin Production of <i>Aspergillus</i> section <i>Flavi</i> Associated with Groundnut in Eastern Ethiopia
Hayes	Brian	Assessment of Evolving Peanut Fungicide Programs for Yield and Value in Southwest Georgia
Haynes	J. Mitchum	Augmentation of In-Furrow Insecticides with Superabsorbent Polymer to Improve Management of Spotted Wilt of Peanut
Hoisington	Dave	The Structure and Strategy of the New Feed the Future Innovation Lab for Peanut
Holbrook	C. Corley	Peanut Yield Gains Over the Past Fifty Years
Huang	Bingyan	Molecular and Agronomic Evaluation for Genetic Background Recovery of Introgression Lines of <i>Ahfad2</i> Mutations
Hurdle	Nick	Ele-Max Nutrient Concentrate® effect on Georgia-06G with Paraquat Tank-Mixtures under Non-Irrigated Conditions.
Johnson III	Wiley C	Tine Weeding Integrated with Herbicides in Conventional Peanut Production
Jordan	Brian	Effect of Planting Date on Three Cultivars and Three Advanced Breeding Lines on Leaf Spot Severity and Yield when Grown without Fungicides.
Jordan	David	Peanut Response to Co-Application of Pyroxasulfone with Paraquat, Bentazon, and Acephate
Jordan	David	Effect of Organic Manure, Calcium and Weeding Regime on Growth and Yield of Peanut ( <i>Arachis hypogaea</i> L.) in the Guinea Savannah Zone of Ghana.
Jordan	Emmett	Baker County Georgia 2015, 2016 & 2017 UGA On-Farm Peanut at Plant In-Furrow Fungicide, Nematicide & Inoculant Test
Kaufman	Amanda	Quality and Flavor Profile Following Various Pesticide Inputs in Peanut ( <i>Arachis hypogaea</i> L.) Grown in North Carolina
Kemerait	Robert	Azoxystrobin, Solatenol and Adepidyn to Manage Leaf Spot and Stem Rot

**2018 APRES Submitted Abstracts**  
(As of 4-5-2018)

King	Della	Response of Peanut to Inoculation with Bradyrhizobia and Nitrogen Rate
Kirk	Kendall	Characterization of Spatial Variability and Its Effects in Peanut Production
Korani	Walid	Iterative QTL-seq to Discover Functional Markers of Agronomically important Traits
Lamb	Marshall	Agronomic and Economic Effects of Irrigation and Rotation in Peanut
Lamon	Samuele	Genotypic and Phenotypic Characterization of Peanut Lines with Interspecific Introgressions Conferring Late Leaf Spot Resistance
Levinson	Chandler	Development of Newly Synthesized Amphidiploids and Their Genome Composition
Lilley	Dylan	Lessons Learned in a Short Period of Time as Peanut Agents in Northeast North Carolina
Lipsey	Brittany	Managing Caterpillar Pest in Mississippi Peanut
Luke-Morgan	Audrey	An Analysis of Crop Insurance as a Safety Net for U.S. Peanut Farms
Maheshala	Nataraja	Characterization of Feeding Behavior of Imidacloprid-Resistant Tobacco Thrips
Mahoney	Denis	Presence and Distribution of Suspected Palmer Amaranth Resistant to PPO-inhibiting Herbicides in the North Carolina Coastal Plain
Marshall	Julie	Marker Assisted Selection of Peanut Storage Proteins for Flavor Potential
Massa	A.N.	Screening of Wild Arachis Germplasm for Resistance to Aflatoxin Contamination and Foliar Fungal Pathogens
McLean	Henry	Multiyear Evaluation of Peanut Disease Control Programs incorporating Miravis® fungicide into Disease Control Systems including Elatus®.
Mehl	Hillary	Efficacy and Profitability of Nematicide, Insecticide, and Fungicide Chemistries and Pre-Mixes for Pest Management in Peanut
Mills, Jr.	Foy	Predicting Land Use Competition for US Peanut Acreage Pre- and Post-Quota
Moore	Kim	Relative Performance of a New Multiple Disease Resistant High Oleic Runner Variety from ACI seeds Compared with Commercially Available Runner Varieties
Muller	Barbara	Population Genomics of US Peanut Mini Core Collection using Genome-Wide SNP Genotyping
Munir	Misbakhul	Effect of Plant Microclimate Condition Changes Due to Late Leaf Spot on the Development of Southern Stem Rot in Peanut Field
Pasupuleti	Janila	Process Innovations in Peanut Breeding and Testing Pipelines at ICRISAT
Pelham	Sara	Determination of Peanut ( <i>Arachis hypogaea L.</i> ) Yield Potential by Geographical Location and Planting Date in Georgia
Pilon	Cristiane	Early-Season Temperature Conditions Effect on Physiology of Peanut Seedlings
Porter	Wesley	Selecting Valid and Practical Irrigation Scheduling Methods for Maximizing Yield of Runner Type Peanut Cultivars
Preisser	Afton	The History of Peanuts in Virginia
Price	Katilyn	Peanut Tolerance to 2,4-D and Dicamba
Price	Katilyn	Cover Crop Response to Residual Herbicides in Peanut-Cotton Rotation

**2018 APRES Submitted Abstracts**  
(As of 4-5-2018)

Price	Tucker	Evaluating Peanut White Mold Fungicide Programs in Cook County, Georgia – 3 Year Summary
Prostko	Eric	Field Evaluation of Flumioxazin Formulations for Weed Control in Peanut
Puppala	Naveen	Integrated Agronomy, Physiology, and Crop Modelling Approaches to Improve Drought Tolerance Phenotyping in Peanut
Sanchez-Dominguez	Samuel	Researching on Rhizobiology in Peanuts: 1. Studies in Pots
Sarkar	Sayantan	Deriving Peanut Plant Height from Aerial Imagery and Digital Elevation Models
Shew	Barbara	A Re-evaluation of Fungicide Efficacy for Leaf Spot Control in North Carolina
Simpson	Charles	Using <i>Arachis vallsii</i> Krapov. & W.C. Greg. as a Bridge Species for Introgression in Arachis
Smith	Nathan	Implications of the Elimination of Generic Base and Addition of Seed Cotton Program on South Carolina Peanut Farms
Smith	Nathan	Economic Analysis of Peanut Digger Ground Speed and Conveyor Speed on Digging Yield Losses
Smith	Paul	Peanut Response to Twin-Row Planting Patterns in North Carolina
Stalker	Tom	New Sources of Multiple Disease Resistances from <i>Arachis diogeni</i> Introgression Lines
Stuart	Matthew	Effect of Fungicide on Gas Exchange in Peanut
Suassuna	Taís	Use of Wild Species for Peanut Breeding in Brazil
Sutherland	Bryce	Management of Threecornered Alfalfa Hopper (Hemiptera: Membracidae) in Peanut
Tengey	Theophilus	Analysis of a BC3F6 Interspecific Peanut Introgression Population Using Genome-specific SNP Markers
Thangthong	Nuengsap	Xylem Anatomy Features in Peanut ( <i>Arachis hypogaea</i> L.) Root
Tillman	Barry	Genotypic Variation in Tomato Spotted Wilt Infection in Peanut and Methods of Estimating Infection Frequency
Tonnis	Brandon	Phenotypic Variation in Seed Quality of Wild Arachis Species
Toomer	Ondulla	Feeding High-Oleic Peanuts to Layer Hens Enhances Egg Yolk Color and Oleic Fatty Acid Content in Shell Eggs
Torrance	Ty	Economics of Peanut Root-knot Nematode Control
Tyson	William	White Mold Control Efficacy Associated with Nine Peanut Fungicide Treatments
Upadhyaya	Hari Deo	New Sources from Germplasm Mini Core Collection Enhance Genetic Gains for Oil Content in Peanut.
Ur Rehman	Atta	Elemental Analysis of Groundnut Germplasms Using Particle Induced X-Rays Emission (PIXE) Method
Van Cleave	Ashleigh	Boron Rate and Timing on Runner Peanut
Varn	Joe	Management Efficacy of Late Leaf Spot in two Peanut Fields with Fungicides Applied at Varying Sprayer Ground Speeds
Virk	Simerjeet	Investigation of Planter Parameters for Maximizing Peanut Emergence
Virk	Gurpreet	First True Leaf Physiology of Peanut Plant under Different Field Conditions
Virk	Gurpreet	Planting Conditions Influence Early Season Crop Growth of Peanut Cultivars

**2018 APRES Submitted Abstracts**

(As of 4-5-2018)

Wang	Jianping	High density markers of graphic genotypes of near isogenic lines revealed genomic regions controlling peanut nodulation
Weaver	Caleb	The Effects of Storage Conditions on Peanut Seed Quality
Wolfe	Kent	Examining the Economic Contribution of Peanut Production in the Southeast
Wright	Graeme	Peanut Kernel Shrivell – An Undiagnosed Condition of Peanut Crops in Queensland, Australia
Zhang	Huilu	Interaction of Oleic acid and linoleic acid composition to Aspergillus flavus development genes and Aflatoxin pathway genes