

Supporting North Carolina's Agricultural Commodities

College of Agriculture and Life Sciences
Faculty Whose Work Supports North
Carolina Agricultural Commodities, Listed
by Commodity

COLLEGE OF
AGRICULTURE & LIFE SCIENCES
ACADEMICS ▲ RESEARCH ▲ EXTENSION

Supporting North Carolina's Agricultural Commodities

North Carolina agriculture is among the most diverse in the nation. Programs in the College of Agriculture and Life Sciences at North Carolina State University are designed to support the many agricultural commodities produced in the state. In the following pages, you'll find a list of College of Agriculture and Life Sciences faculty members whose work focuses on helping North Carolina's agricultural producers prosper. Faculty members are listed by agricultural commodity, while the listing also includes the faculty member's department and the focus of his or her work.

Commodity	Department	Faculty	Area
Apiculture	Entomology	David Tarpy	Insects
	Entomology	Christina Grozinger	Insects
Aquaculture	Biological and Agricultural Engineering	Thomas Losordo	Aquaculture Engineering: Waste Management Technologies
	Biological and Agricultural Engineering	Praveen Kolar	Aquaculture Water Quality Management
	Biological and Agricultural Engineering	Dennis DeLong	Tank-Based Aquaculture Production Systems
	Biology (formerly Zoology)	Harry Daniels	Warmwater Aquaculture, Pond-based Production Systems
	Biology (formerly Zoology)	Jeffrey Hinshaw	Cool and Coldwater Aquaculture: Trout
	Biology (formerly Zoology)	Craig Sullivan	Reproductive Physiology, Hybrid Striped Bass
	Crop Science	Rob Richardson	Weeds
	Food, Bioprocessing, and Nutrition Sciences	David Green	Seafood and Aquaculture Processing
	NC Sea Grant	Marc Turano	Effluents and Water Quality: Blue Crabs
	Poultry Science	Peter Ferket	Aquaculture Nutrition
	Beef	Animal Science	Matt Poore
Animal Science		Roger McCraw	Genetics
Animal Science		Dale Miller	Marketing and Management
Animal Science		Gerald Huntington	Nutrition
Animal Science		Jerry Spears	Mineral Nutrition
Animal Science		Joe Cassidy	Genetics
Animal Science		Gary Hansen	Genetics, Management
Animal Science		Jim Turner	Nutrition and Management
Animal Science		Char Farin	Reproduction
Animal Science		Scott Whisnant	Reproduction

Commodity	Department	Faculty	Area
Beef	Animal Science	Joan Eisemann	Growth and Metabolism
	Biological and Agricultural Engineering	Rhonda Sherman	Vermicomposting
	Entomology	Wes Watson	Insects
	Entomology	Mike Stringham	Insects
	Food, Bioprocessing, and Nutrition Sciences	Dana Hanson	Meats
Biofuels	Agricultural and Resource Economics	Roger von Haefen	Environmental and Resource Economics
	Agricultural and Resource Economics	Kelly Zering	Economics
	Biological and Agricultural Engineering	Mike Boyette	Bioprocessing and Environmental Control
	Biological and Agricultural Engineering	Jay Cheng	Conversion of Plant and Animal Biomass into Renewable Energy
	Biological and Agricultural Engineering	Mari Chinn	Biofuel Production through Semi-Solid Fermentation Technology
	Biological and Agricultural Engineering	Ratna Sharma-Shivappa	Biofuel Production from Agricultural and Food Processing Residues
	Biological and Agricultural Engineering	Matt Veal	Application of Bioprocesses Using Automated Machine Systems
	Crop Science	Ron Heiniger	Switchgrass, Corn
	Crop Science	Ron Qu	Turfgrasses
	Crop Science	Sue Ellen Johnson	Switchgrass Culture
	Horticultural Science	Craig Yencho	Sweet Potato Breeding
	Horticultural Science	Jonathan Schultheis	Sweet Potato Culture
	Horticultural Science	Tom Ranney	Miscanthus
	Horticultural Science	Ken Pecota	Sweet Potato Breeding
	Poultry Science	Peter Ferket	Utilization of Poultry Waste Byproducts
Poultry Science	Mike Williams	Biodegradation of Waste Compounds, Anaerobic Fermentation	

Commodity	Department	Faculty	Area
Blueberry	Agricultural and Resource Economics	Charles Safley	Budgets
	Biological and Agricultural Engineering	Garry Grabow	Irrigation
	Entomology	Hannah Burrack	Insects
	Horticultural Science	Roger Batts	Pesticides Registration/Reregistration
	Horticultural Science	Mike Mainland	Culture
	Horticultural Science	Katie Jennings	Weeds
	Horticultural Science	Jim Ballington	Breeding
	Plant Pathology	Bill Cline	Diseases, Culture
Soil Science	John Havlin	Fertility	
Brambles	Agricultural and Resource Economics	Charles Safley	Economics, Budgets
	Entomology	Hannah Burrack	Insects
	Horticultural Science	Gina Fernandez	Culture, Breeding
	Horticultural Science	Katie Jennings	Weeds
	Horticultural Science	Roger Batts	Pesticide Registration/Reregistration
	Plant Pathology	Frank Louws	Diseases
Broiler Chickens (Meat)	Biological and Agricultural Engineering	Sanjay Shah	Air Quality, Ventilation, Energy Conservation, Waste Management
	Biological and Agricultural Engineering	Praveen Kolar	Emissions Control, Alternative Energy Recovery
	Biological and Agricultural Engineering	Rhonda Sherman	Composting
	Entomology	Wes Watson	Insects
	Entomology	Mike Stringham	Insects
	Poultry Science	Matt Koci	Immunity to Infectious Disease

Commodity	Department	Faculty	Area
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Broiler Chickens

(Meat)	Poultry Science	Jason Shih	Enzyme Technology, Nutrition, Waste Management, Methane Production
	Poultry Science	Donna Carver	Disease Prevention/Control
	Poultry Science	Peter Ferket	Nutrition
	Poultry Science	Frank Edens	Selenium and Trace Mineral Nutrition and Performance, Stress Physiology, Meat Yield, Enteric Diseases
	Poultry Science	Edgar Oviedo	Broiler Management, Environmental Management
	Poultry Science	Charles Stark	Feed Milling Technology
	Poultry Science	Mike Williams	Waste Management

Broiler Chickens

(Breeders)	Biological and Agricultural Engineering	Praveen Kolar	Emissions Control, Alternative Energy Recovery
	Biological and Agricultural Engineering	Rhonda Sherman	Composting
	Entomology	Wes Watson	Insects
	Entomology	Mike Stringham	Insects
	Poultry Science	Matt Koci	Immunity to Infectious Disease
	Poultry Science	Jason Shih	Enzyme Technology, Nutrition, Waste Management, Methane Production
	Poultry Science	Tom Siopes	Reproduction, Lighting
	Poultry Science	Donna Carver	Disease Prevention/Control
	Poultry Science	Jim Croom	Intestinal Health and Early Nutrition of Broilers
	Poultry Science	Peter Ferket	Nutrition
	Poultry Science	Mike Wineland	Breeders and Hatchery Management

Commodity	Department	Faculty	Area
	Poultry Science	Frank Edens	Trace Mineral Nutrition, Reproduction
	Poultry Science	James Petite	Advanced Technologies for Genetic Improvement of Poultry
	Poultry Science	John Brake	Breeder Management
	Poultry Science	Charles Stark	Feed Milling Technology
	Poultry Science	Mike Williams	Waste Management
Christmas Trees	Agricultural and Resource Economics	Charles Safley	Economics, Budgets
	Entomology	Fred Hain	Insects
	Horticultural Science	Eric Hinesley	Plant Propagation/Production
	Horticultural Science	Joe Neal	Weeds
	Plant Pathology	Mike Benson	Diseases
	Plant Pathology	Kelly Ivors	Diseases
	Soil Science	Ron Gehl	Fertility
Corn	Agricultural and Resource Economics	Nick Piggott	Economics
	Biological and Agricultural Engineering	Wayne Skaggs	Drainage, Water Management
	Biological and Agricultural Engineering	Robert Evans	Drainage, Water Management
	Biological and Agricultural Engineering	Garry Grabow	Irrigation
	Biological and Agricultural Engineering	Matt Veal	Bioenergy
	Crop Science	Major Goodman	Breeding
	Crop Science	Jim Holland, <i>USDA</i>	Breeding
	Crop Science	Matt Kratkowsky, <i>USDA</i>	Breeding, GEM Coordinator
	Crop Science	Ron Heiniger	Culture
	Crop Science	Alan York	Weeds

Commodity	Department	Faculty	Area
Corn	Crop Science	Jan Spears	Seed Technology
	Crop Science	Daryl Bowman	Variety Testing
	Entomology	J.R. Bradley, <i>retired</i>	Insects
	Entomology	John Van Duyn, <i>retired</i>	Insects
	Entomology	Jack Bacheler	Insects
	Entomology	Steve Bambara	Insects of Stored Grain
	Plant Pathology	Gary Payne	Diseases
	Plant Pathology	Peter Balint-Kurti	Diseases
	Soil Science	Greg Hoyt	Fertility, Management
	Soil Science	Carl Crozier	Fertility, Management
	Soil Science	Deanna Osmond	Fertility
	Soil Science	Jeff White	Fertility
Soil Science	Alan Meijer	Tillage	
Cotton	Agricultural and Resource Economics	Gary Bullen	Economics
	Biological and Agricultural Engineering	Wayne Skaggs	Drainage, Water Management
	Biological and Agricultural Engineering	Robert Evans	Drainage, Water Management
	Biological and Agricultural Engineering	Garry Grabow	Irrigation
	Crop Science	Vasu Kuraparthu	Breeding
	Crop Science	Randy Wells	Physiology
	Crop Science	Ron Heiniger	Culture
	Crop Science	Candace Haigler	Cotton Fiber Development
	Crop Science	Keith Edmisten	Culture
	Crop Science	Daryl Bowman	Variety Testing, Breeding

Commodity	Department	Faculty	Area
	Crop Science	Jan Spears.....	Seed Technology
	Crop Science	Alan York	Weeds
	Entomology.....	John Van Duyn, <i>retired</i>	Insects
	Entomology.....	Jack Bacheler	Insects
	Entomology.....	J.R. Bradley, Retired	Insects
	Plant Pathology.....	Steve Koenning	Diseases
	Soil Science.....	Carl Crozier	Fertility
	Soil Science.....	Alan Meijer	Tillage
Cucumbers	Agricultural and Resource Economics	Ed Estes.....	Economics, Budgets
	Entomology.....	Mark Abney.....	Insects
	Food, Bioprocessing, and Nutrition Sciences	Roger McFeeters	Processing
	Food, Bioprocessing, and Nutrition Sciences	Trevor Phister.....	Processing, quality and safety
	Food, Bioprocessing, and Nutrition Sciences	Fletcher Arritt.....	Processing, quality and safety
	Food, Bioprocessing, and Nutrition Sciences	David Green	Processing, quality and safety
	Horticultural Science.....	Todd Wehner	Breeding
	Horticultural Science.....	Jonathan Schultheis.....	Culture
	Horticultural Science.....	Roger Batts	Pesticide Registration/Reregistration
	Horticultural Science.....	Katie Jennings.....	Weeds
	Horticultural Science.....	Bill Jester	Culture
	Horticultural Science.....	Allan Thornton	Culture
	Plant Pathology.....	Gerald Holmes	Diseases
	Soil Science.....	Greg Hoyt.....	Soils, Fertility, Tillage
	Soil Science.....	Deanna Osmond.....	Fertility

Commodity	Department	Faculty	Area
Dairy	Agricultural and Resource Economics	Geoff Benson	Economics, Farm Management
	Biological and Agricultural Engineering	Garry Grabow	Land Application, Waste Water Irrigation
	Biological and Agricultural Engineering	Rhonda Sherman	Vermicomposting
	Animal Science	Lon Whitlow	Nutrition
	Animal Science	Brinton Hopkins	Nutrition and 4-H Dairy
	Animal Science	Steve Washburn	Reproduction and Pasture Based Dairy
	Animal Science	Don Pritchard	Milking Management
	Animal Science	Char Farin	Reproduction
	Animal Science	Melissa Ashwell	Genetics
	Animal Science	Vivek Fellner	Rumen Microbiology and Nutrition
	Animal Science	Christian Maltecca	Genetics
	Animal Science	John Clay	Dairy Records
	Animal Science	Gary Griffin	Dairy Records
	Animal Science	Phil Dukas	Dairy Records
	Animal Science	Scott Whisnant	Reproduction
	Animal Science	Len Bull	Waste Management, Nutrition
	Animal Science	Mitch Hockett	Reproduction
	Entomology	Wes Watson	Insects
Entomology	Mike Stringham	Insects	
Food, Bioprocessing, and Nutrition Sciences	Gary Cartwright	Dairy Manufacturing, Processing	
Fisheries	Biology	Jeffrey Buckel	Marine Commercial and Recreation
	Biology	James Rice	Freshwater Recreational Fisheries
	Crop Science	Rob Richardson	Weeds

Commodity	Department	Faculty	Area
Floriculture	Entomology	Steve Bambara	Insects
	Horticultural Science	John Dole	Cut Flower/Post Harvest
	Horticultural Science	Brian Whipker	Bedding Plant Production/Nutrition
	Horticultural Science	Bill Fonteno	Substrates
	Horticultural Science	John Williamson	Molecular Biology, Cut Flowers
	Horticultural Science	Joe Neal	Weeds
	Horticultural Science	Dennis Werner	Breeding
	Plant Pathology	Mike Benson	Diseases
Forest	Entomology	Fred Hain	Insects
	Plant Pathology	Larry Grand	Diseases
Forages	Agricultural and Resource Economics	Geoff Benson	Budgets
	Crop Science	Sue Ellen Johnson	Culture, Biofuel
	Crop Science	Joe Burns, <i>USDA</i>	Culture
	Crop Science	Jean-Marie Luginbuhl	Meat Goats
	Crop Science	Paul Mueller	Culture
	Crop Science	Fred Yelverton	Weeds
	Entomology	Steve Bambara	Insects
	Horticultural Science	Roger Batts	Pesticide Registration/Reregistration
Gamebirds	Entomology	Wes Watson	Insects
	Entomology	Mike Stringham	Insects
	Poultry Science	Peter Ferket	Nutrition
	Poultry Science	Jesse Grimes	Teaching, Nutrition, Management, Waste Management

Commodity	Department	Faculty	Area
Grapes	Agricultural and Resource Economics	Charles Safley	Budgets
	Biological and Agricultural Engineering	Garry Grabow	Irrigation
	Entomology	Hannah Burrack	Insects
	Food, Bioprocessing, and Nutrition Sciences	Trevor Phister	Food Safety, Fermentation
	Horticultural Science	Barclay Poling	Culture — Muscadines
	Horticultural Science	Sara Spayd	Culture
	Horticultural Science	Wayne Mitchem	Weeds
	Horticultural Science	Connie Fisk	Culture — Muscadines
	Horticultural Science	Jim Ballington	Breeding — Muscadines
	Plant Pathology	Turner Sutton	Diseases
Plant Pathology	Bill Cline	Diseases — Muscadines	
Soil Science	John Havlin	Soils, Fertility	
Horse	Animal Science	Bob Mowery	4-H
	Animal Science	Mike Yoder	Equine Extension
	Animal Science	Paul Siciliano	Nutrition and Management
	Animal Science	Shannon Pratt	Nutrition and Exercise Physiology
	Animal Science	Jeannette Moore	Nutrition
	Agricultural and Resource Economics	Rhonda Sherman	Vermicomposting, Composting
	Agricultural and Resource Economics	Sanjay Shah	Air Quality, Ventilation, Energy Conservation, Waste Management
	Entomology	Wes Watson	Insects
	Entomology	Mike Stringham	Insects

Commodity	Department	Faculty	Area
Laying Hens/ Table Eggs	Biological and Agricultural Engineering	Praveen Kolar	Emissions Control, Alternative Energy Recovery
	Biological and Agricultural Engineering	Rhonda Sherman	Composting
	Entomology	Wes Watson	Insects
	Entomology	Mike Stringham	Insects
	Poultry Science	Ken Anderson	NC Layer Performance and Management Test, Breed Performance, Egg Quality, Egg Safety, Egg Processing
	Poultry Science	Matt Koci	Immunity to Infectious Disease
	Poultry Science	Jason Shih	Enzyme Technology, Nutrition, Waste Management, Methane Production
	Poultry Science	Donna Carver	Disease Prevention/Control
	Poultry Science	Peter Ferket	Nutrition
	Poultry Science	James Petite	Advanced Technologies for Genetic Improvement of Poultry
	Poultry Science	Charles Stark	Feed Milling Technology
	Poultry Science	Mike Williams	Waste Management
	Poultry	Entomology	Wes Watson
Entomology		Mike Stringham	Insects
Food, Bioprocessing, and Nutrition Sciences		Fletcher Arritt	Processing, Quality, and Safety
Poultry Science		Matt Koci	Immunity to Infectious Disease
Poultry Science		Jason Shih	Enzyme Technology, Nutrition, Waste Management, Methane Production
Poultry Science		Donna Carver	Disease Prevention/Control
Poultry Science	Jim Croom	Intestinal Health and Early Nutrition of Broilers	

Commodity	Department	Faculty	Area
Meat Goat	Animal Science	Matt Poore	Nutrition
	Animal Science/Crop Science	Jean Marie Luginbuhl	Nutrition and Management
	Animal Science	Jim Turner	Nutrition and Management
	Entomology	Wes Watson	Insects
	Entomology	Mike Stringham	Insects
Medicinals/Herbs	Entomology	Hannah Burrack	Insects
	Horticultural Science	Jeanine Davis	Culture
	Horticultural Science	Roger Batts	Pesticide Registration/Reregistration
	Horticultural Science	Joe-Ann McCoy	Germplasm Collections
	Plant Pathology	Kelly Ivors	Diseases
	Soil Science	Ronald Gehl	Soils, Soil Fertility
Melons	Agricultural and Resource Economics	Ed Estes	Budgets
	Biological and Agricultural Engineering	Garry Grabow	Irrigation
	Entomology	Mark Abney	Insects
	Entomology	Jim Walgenbach	Insects
	Horticultural Science	Katie Jennings	Weeds
	Horticultural Science	Bill Jester	Culture
	Horticultural Science	Jonathan Schultheis	Culture
	Horticultural Science	Roger Batts	Pesticide Registration/Reregistration
	Horticultural Science	Allan Thornton	Culture
	Horticultural Science	Todd Wehner	Breeding
	Plant Pathology	Gerald Holmes	Diseases
	Soil Science	Deanna Osmond	Fertility

Commodity	Department	Faculty	Area
Non-Cropland	Crop Science	Fred Yelverton	Weed Management/Roadsides
	Crop Science	Rob Richardson	Vegetation Management, Rights of Way, Invasive Plants
Organic	Agricultural and Resource Economics	Ed Estes	Economics
	Crop Science	Chris Reberg-Horton	Culture — Organic Grain Production
	Crop Science	Michelle Schroeder-Moreno	Culture
	Crop Science	Paul Mueller	Culture
	Entomology	David Orr	Insects
	Entomology	Wes Watson	Insects
	Food, Bioprocessing, and Nutrition Sciences	Fetcher Aritt	Processing and Certification
	Horticultural Science	Katie Jennings	Weeds
	Plant Pathology	Barbara Shew	Diseases
	Soil Science	Julie Grossman	Fertility
Ornamentals	Agricultural and Resource Economics	Charles Safley	Budget
	Biological and Agricultural Engineering	Garry Grabow	Irrigation
	Entomology	Rick Brandenburg	Insects
	Entomology	Steve Bambara	Insects
	Entomology	Steve Franks	Insects
	Horticultural Science	Ted Bilderback	Nursery Production
	Horticultural Science	Dennis Werner	Director of JC Raulston Arboretum, Breeding
	Horticultural Science	Joe Neal	Weeds
	Horticultural Science	Frank Blazich	Propagation
Horticultural Science	Barb Fair	Landscape	

Commodity	Department	Faculty	Area
Ornamentals	Horticultural Science	Anthony LeBude	Plant Production
	Horticultural Science	Tom Ranney	Selection, Breeding
	Horticultural Science	Stu Warren's position	Culture
	Horticultural Science	Paul Fantz's position	Culture
	Horticultural Science	Craig Yencho	Ornamental Sweet Potato Breeding
	Horticultural Science	Ken Pecota	Ornamental Sweet Potato Breeding
	Horticultural Science	Darren Touchell	Tissue Culture
	Horticultural Science	Helen Kraus	Culture
	Horticultural Science	Mark Weathingston	Assistant Director of JC Raulston Arboretum, Selection
	Plant Pathology	Kelly Ivors	Diseases
Plant Pathology	Mike Benson	Diseases	
Peanut	Agricultural and Resource Economics	Gary Bullen	Budgets
	Biological and Agricultural Engineering	Robert Evans	Drainage, Water Management
	Biological and Agricultural Engineering	Wayne Skaggs	Drainage, Water Management
	Biological and Agricultural Engineering	Garry Grabow	Irrigation
	Biological and Agricultural Engineering	Gary Roberson	Harvest, Storage
	Crop Science	Tom Isleib	Breeding
	Crop Science	David Jordan	Culture, Weeds
	Crop Science	Jan Spears	Seed Technology
	Crop Science	Tom Stalker	Breeding, Genomics
	Crop Science	Niels Nielsen	Molecular Biology, Genomics
Crop Science	Shyamalrau Tallury	Breeding	
Crop Science	Susana Milla-Lewis	Breeding	

Commodity	Department	Faculty	Area
	Crop Science	Randy Wells	Physiology
	Crop Science	Gail Wilkerson.....	Culture, Precision Agriculture, Decision-Making Tools
	Entomology.....	Rick Brandenburg	Insects
	Food, Bioprocessing, and Nutrition Sciences	Tim Sanders.....	Processing, Quality
	Plant Pathology.....	Barbara Shew	Diseases
Potato	Agricultural and Resource Economics	Ed Estes.....	Economics
	Biological and Agricultural Engineering	Robert Evans.....	Drainage, Water Management
	Biological and Agricultural Engineering	Wayne Skaggs	Drainage, Water Management
	Entomology.....	Mark Abney.....	Insects
	Entomology.....	George Kennedy	Insects
	Horticultural Science.....	Craig Yencho.....	Breeding
	Horticultural Science.....	Mark Clough	Breeding
	Horticultural Science.....	Roger Batts	Pesticide Registration/Reregistration
	Horticultural Science.....	Chris Gunter	Culture
	Horticultural Science.....	Katie Jennings.....	Weeds
	Plant Pathology.....	Gerald Holmes	Diseases
	Soils	Carl Crozier	Nutrition, Fertilizers
Seafood	Food, Bioprocessing, and Nutrition Sciences	David Green	Processing, Safety, Quality
	Food, Bioprocessing, and Nutrition Sciences	Barry Nash.....	Processing, Safety, Quality
Small Grains	Agricultural and Resource Economics	Nick Piggott	Economics
	Biological and Agricultural Engineering	Wayne Skaggs	Drainage, Water Management

Commodity	Department	Faculty	Area
Small Grains	Biological and Agricultural Engineering	Robert Evans	Drainage, Water Management
	Biological and Agricultural Engineering	Matt Veal	Bioenergy
	Biological and Agricultural Engineering	Garry Grabow	Irrigation
	Crop Science	Ron Heiniger	Culture
	Crop Science	Randy Weisz	Culture
	Crop Science	Paul Murphy	Breeding
	Crop Science	Alan York	Weeds
	Crop Science	Jan Spears	Seed Technology
	Crop Science	Daryl Bowman	Variety Testing
	Crop Science	David Livingston, <i>USDA</i>	Physiology, Cold Tolerance
	Crop Science	Gina Brown-Guidera, <i>USDA</i>	Genetics
	Entomology	Steve Bambara	Insects
	Entomology	John Van Duyn, <i>retired</i>	Insects
	Plant Pathology	Steve Koenning	Diseases
	Plant Pathology	Christina Cowger	Diseases
	Plant Pathology	David Marshal, <i>USDA</i>	Diseases, Breeding
	Soil Science	Carl Crozier	Fertility
	Soil Science	Deanna Osmond	Fertility
Soil Science	Alan Meijer	Tillage	
Soybean	Agricultural and Resource Economics	Nick Piggott	Economics
	Biological and Agricultural Engineering	Wayne Skaggs	Drainage, Water Management
	Biological and Agricultural Engineering	Robert Evans	Drainage, Water Management
	Biological and Agricultural Engineering	Matt Veal	Bioenergy
Biological and Agricultural Engineering	Garry Grabow	Irrigation	

Commodity	Department	Faculty	Area
	Crop Science	Jim Dunphy	Culture
	Crop Science	Ron Heiniger	Culture
	Crop Science	Andrea Cardinal	Breeding
	Crop Science	Tommy Carter, <i>USDA</i>	Breeding
	Crop Science	Joe Burton, <i>USDA</i>	Breeding
	Crop Science	Earl Taliercio, <i>USDA</i>	Molecular Biology
	Crop Science	Kent Burkey, <i>USDA</i>	Physiology, Air Quality
	Crop Science	Ed Fiscus, <i>USDA</i>	Physiology, Air Quality
	Crop Science	Fitz Booker, <i>USDA</i>	Physiology, Air Quality
	Crop Science	Ralph Dewey	Molecular Biology
	Crop Science	Daryl Bowman	Variety Testing
	Crop Science	Alan York	Weeds
	Crop Science	Tom Rufty	Physiology
	Crop Science	Jan Spears	Seed Technology
	Entomology	J.R. Bradley, <i>retired</i>	Insects
	Entomology	John Van Duyn, <i>retired</i>	Insects
	Entomology	Jack Bacheler	Insects
	Plant Pathology	Stephen Koenning	Diseases
	Soil Science	Alan Meijer	Tillage
	Soil Science	Carl Crozier	Fertility
Strawberry	Agricultural and Resource Economics	Charles Safley	Economics
	Biological and Agricultural Engineering	Garry Grabow	Irrigation
	Entomology	Hannah Burrack	Entomology
	Horticultural Science	Barclay Poling	Culture

Commodity	Department	Faculty	Area
Strawberry	Horticultural Science.....	Gina Fernandez.....	Culture
	Horticultural Science.....	Jim Ballington	Breeding
	Horticultural Science.....	Roger Batts	Pesticide Registration/Reregistration
	Horticultural Science.....	Dilip Panthee	Breeding
	Horticultural Science.....	Katie Jennings.....	Weeds
	Horticultural Science.....	<i>to be hired</i>	Breeding
	Plant Pathology.....	Frank Louws	Diseases, Methyl Bromide Replacement
Structural			
Pest Management	Entomology.....	Coby Schal	Insects
	Entomology.....	Jules Silverman	Insects
	Entomology.....	Ed Vargo	Insects
	Entomology.....	Mike Waldvogel	Insects
Sweet Potato	Agricultural and Resource Economics	Ed Estes.....	Budgets
	Biological and Agricultural Engineering	Mike Boyette.....	Issues related to harvesting, storage
	Biological and Agricultural Engineering	Grant Ellington.....	Issues related to harvesting, storage
	Biological and Agricultural Engineering	Garry Grabow	Irrigation
	Entomology.....	Mark Abney	Insects
	Entomology.....	George Kennedy	Insects
	Food, Bioprocessing, and Nutrition Sciences	Den Truong.....	Quality
	Horticultural Science.....	Jonathan Schultheis.....	Culture
	Horticultural Science.....	Allan Thornton	Culture
	Horticultural Science.....	Bill Jester	Culture
Horticultural Science.....	Katie Jennings.....	Weeds	

Commodity	Department	Faculty	Area
	Horticultural Science.....	Craig Yencho.....	Breeding
	Horticultural Science.....	Roger Batts.....	Pesticide Registration/Reregistration
	Horticultural Science.....	Bryon Sosinski.....	Molecular Genetics
	Horticultural Science.....	Ken Pacota.....	Breeding
	Plant Pathology.....	Gerald Holmes.....	Diseases
	Plant Pathology.....	Zvezdana Pesic-VanEsbroeck.....	Micropropagation, Micropropagation Unit
	Soil Science.....	Jeff White.....	Soils, Fertilizers
Swine	Agricultural and Resource Economics.....	Kelly Zering.....	Economics
	Animal Science.....	Todd See.....	Genetics and Management
	Animal Science.....	Morgan Morrow.....	Health
	Animal Science.....	Eric van Heugten.....	Nutrition
	Animal Science.....	Chad Stahl.....	Nutrition
	Animal Science.....	Jack Odle.....	Nutrition
	Animal Science.....	Sung Woo Kim.....	Nutrition
	Animal Science.....	Joe Cassady.....	Genetics and Management
	Animal Science.....	Billy Flowers.....	Reproduction
	Animal Science.....	Joe Cassady.....	Genetics
	Animal Science.....	H.C. (Sunny) Liu.....	Genomics
	Animal Science.....	Bob Petters.....	Transgenics, Biomedical
	Animal Science.....	Melissa Ashwell.....	Genomics
	Animal Science.....	Len Bull.....	Waste Management
	Biological and Agricultural Engineering.....	Phil Westerman.....	Waste Management — Sludge Management, Odor and Environmental Issues
	Biological and Agricultural Engineering.....	John Classen.....	Waste Management — Lagoon Operation, Nutrient Recovery, Alternative Treatment

Commodity	Department	Faculty	Area
Swine	Biological and Agricultural Engineering	Garry Grabow	Irrigation — Land Application, Waste Water Irrigation
	Biological and Agricultural Engineering	Sanjay Shah	Waste Management — Air quality, Ventilation, Energy Conservation
	Biological and Agricultural Engineering	Mark Rice	Waste Management — Treatment Technologies
	Biological and Agricultural Engineering	Praveen Kolar	Odor Management, Alternative Energy Recovery
	Biological and Agricultural Engineering	Jiayang Cheng	Waste Management — Alternative Waste Treatment Technologies, Resource Recovery
	Biological and Agricultural Engineering	Rhonda Sherman	Vermicomposting
	Entomology	Mike Stringham	Pests
	Entomology	Wes Watson	Pests
	Food, Bioprocessing, and Nutrition Sciences	Dana Hanson	Meat Science — Processing, Safety and Quality
	Poultry Science	Charles Stark	Feed Mill Management
Poultry Science	Mike Williams	Waste Management	
Soil Science	Deanna Osmond	Waste Management	
Soil Science	Karl Shaffer	Waste Management	
Tobacco	Agricultural and Resource Economics	Gary Bullen	Budgets
	Agricultural and Resource Economics	Blake Brown	Policy
	Biological and Agricultural Engineering	Mike Boyette	Issues related to harvesting, storage
	Biological and Agricultural Engineering	Grant Ellington	Issues related to harvesting, storage
	Crop Science	Loren Fisher	Culture, Variety Testing
	Crop Science	Ramsey Lewis	Breeding
Crop Science	Ralph Dewey	Molecular Biology	

Commodity	Department	Faculty	Area
	Crop Science	David Danehower	Leaf Chemistry, Physiology
	Entomology.....	Hannah Burrack.....	Insects
	Entomology.....	Clyde Sorenson.....	Insects
	Plant Pathology.....	David Shew	Diseases
	Plant Pathology.....	Mina Mila	Diseases
	Soil Science.....	Greg Hoyt.....	Soil Fertility, Management
Tomato	Agricultural and Resource Economics	Ed Estes.....	Budgets
	Biological and Agricultural Engineering	Garry Grabow	Irrigation
	Entomology.....	Mark Abney	Insects
	Entomology.....	Jim Walgenbach	Insects
	Horticultural Science.....	Katie Jennings.....	Weeds
	Horticultural Science.....	Jeanine Davis.....	Culture
	Horticultural Science.....	Mary Peet	Culture
	Horticultural Science.....	Dilip Panthee	Breeding
	Horticultural Science.....	Chris Gunter.....	Culture
	Horticultural Science.....	Roger Batts	Pesticide Registration/Reregistration
	Plant Pathology.....	Frank Louws	Diseases, Methyl Bromide Replacement
	Plant Pathology.....	Rob Welker	Diseases, Methyl Bromide Replacement
	Plant Pathology.....	Kelly Ivors.....	Diseases
	Soil Science.....	Greg Hoyt.....	Soils, Soil Fertility
	Soil Science.....	Ron Gehl.....	Soils, Soil Fertility
	Soil Science.....	Alexandria Graves	Bacterial Source Tracking

Commodity	Department	Faculty	Area
Tree Fruit	Entomology	Jim Walgenbach	Insects
	Entomology	John Meyer	Insects
	Horticultural Science	Mike Parker	Culture
	Horticultural Science	Steve McCartney	Culture, Growth Regulators
	Horticultural Science	Wayne Mitchem	Weeds
	Horticultural Science	<i>to be hired</i>	Postharvest Quality
	Horticultural Science	Dennis Werner	Peach Breeding/Genetics
	Horticultural Science	Roger Batts	Pesticide Registration/Reregistration
	Plant Pathology	Turner Sutton	Diseases (<i>apples</i>)
Plant Pathology	Dave Ritchie	Diseases (<i>peaches</i>)	
Soil Science	Ron Gehl	Fertility, Management	
Turfgrass	Agricultural and Resource Economics	Charles Safley	Economics, Budgets
	Crop Science	Grady Miller	Culture, Sports Turf
	Crop Science	Charles Peacock	Culture, Sustainable Golf Course Design
	Crop Science	Art Bruneau	Culture, Variety Evaluation
	Crop Science	Matt Martin	Culture
	Crop Science	Fred Yelverton	Weeds
	Crop Science	Tom Rufty	Physiology
	Crop Science	Dan Bowman	Physiology
	Crop Science	Emily Erickson	Teaching
	Crop Science	Rich Cooper	Culture, Teaching
	Crop Science	Ron Qu	Molecular Biology
	Crop Science	Ralph Dewey	Molecular Biology

Commodity	Department	Faculty	Area
	Crop Science	<i>to be hired</i>	Breeding
	Entomology.....	Rick Brandenburg	Insects
	Entomology.....	Steve Bambara	Insects
Turkeys			
(Breeders)	Biological and Agricultural Engineering.....	Praveen Kolar.....	Emissions Control, Alternative Energy Recovery
	Biological and Agricultural Engineering.....	Rhonda Sherman	Composting
	Poultry Science	Jason Shih.....	Enzyme Technology, Nutrition, Waste Management, Methane Production
	Poultry Science	Tom Siopes	Reproduction — Males, Females, Photophysiology
	Poultry Science	Donna Carver	Disease Prevention/Control
	Poultry Science	Peter Ferket	Nutrition
	Poultry Science	Frank Edens.....	Trace Mineral Nutrition and Reproduction
	Poultry Science	Jesse Grimes	Nutrition, Management, Waste Management
	Poultry Science	Charles Stark.....	Feed Milling Technology
	Poultry Science	Mike Williams.....	Waste Management
	Entomology.....	Wes Watson.....	Insects
	Entomology.....	Mike Stringham	Insects
Turkeys			
(Meats)	Biological and Agricultural Engineering.....	Praveen Kolar.....	Emissions Control, Alternative Energy Recovery
	Biological and Agricultural Engineering.....	Rhonda Sherman	Composting
	Entomology.....	Wes Watson.....	Insects
	Entomology.....	Mike Stringham	Insects
	Poultry Science	Matt Koci.....	Immunity to Infectious Disease

Commodity	Department	Faculty	Area
Turkeys			
(Meats)	Poultry Science	Jason Shih	Enzyme Technology, Nutrition, Waste Management, Methane Production
	Poultry Science	Tom Siopes	Growth and Development/Lighting
	Poultry Science	Donna Carver	Disease Prevention/Control
	Poultry Science	Jim Croom	Intestinal Health and Early Nutrition of Broilers
	Poultry Science	Peter Ferket	Nutrition
	Poultry Science	Frank Edens	Selenium Nutrition and Performance, Stress Physiology, Enteric Diseases, Respiratory Diseases
	Poultry Science	Jesse Grimes	Nutrition, Management, Waste Management
	Poultry Science	Charles Stark	Feed Milling Technology
	Poultry Science	Mike Williams	Waste Management
Vegetables	Agricultural and Resource Economics	Ed Estes	Economics
	Entomology	Mark Abney	Insects
	Entomology	George Kennedy	Insects
	Entomology	Jim Walgenbach	Insects
	Food, Bioprocessing, and Nutrition Sciences	Trevor Phister	Food Safety
	Fruit and Vegetable Science Institute	Diane Ducharme	Food Safety
	Fruit and Vegetable Science Institute	Rod Gurganus	Culture, Food Safety
	Horticultural Science	Chris Gunter	Culture, Food Safety
	Horticultural Science	Allan Thornton	Culture
	Horticultural Science	Bill Jester	Culture
	Horticultural Science	Roger Batts	Pesticide Registration/Reregistration
	Horticultural Science	Katie Jennings	Weeds

Commodity	Department	Faculty	Area
	Horticultural Science.....	To Be Hired	Breeding Leafy Vegetables
	Horticultural Science.....	To Be Hired	Postharvest Physiology
	Horticultural Science.....	Jonathan Schultheis.....	Culture
	Horticultural Science.....	Jeanine Davis.....	Culture
	Horticultural Science.....	Nancy Creamer	Organic Production
	Horticultural Science.....	Mary Peet.....	Greenhouse Vegetable Production
	Plant Pathology.....	Gerald Holmes	Diseases
	Plant Pathology.....	Frank Louws	Diseases
	Plant Pathology.....	Dave Ritchie	Diseases (<i>pepper</i>)
	Soil Science.....	Greg Hoyt.....	Fertility, Management
Urban Horticulture	Entomology.....	Steve Bambara	Insects
	Entomology.....	Steve Franks	Insects
	Horticultural Science.....	Lucy Bradley.....	Home
	Horticultural Science.....	Erv Evans	Home
	Horticultural Science.....	Barb Fair.....	Landscape water use
	Horticultural Science.....	Will Hooker	Permaculture
	Horticultural Science.....	Anne Spafford	Landscape Design
	Horticultural Science.....	Joe Neal	Weeds
	Plant Pathology.....	<i>vacant</i>	Diseases

The Mission of the College of Agriculture and Life Sciences at North Carolina State University is to discover, develop, teach and apply knowledge and technology that enable students, clientele and citizens of North Carolina and beyond to improve the quality of their lives and to enhance the agricultural, economic, environmental and social well-being of the state and world and to create and extend new knowledge through scientific research and extension in agriculture and the life sciences.

The College educates students through its Academic Programs office, seeks new knowledge through its research division, the North Carolina Agricultural Research Service, and extends educational programs throughout the state through the North Carolina Cooperative Extension Service. The College is committed to supporting the state's agricultural industry and the citizens of North Carolina. We have a history of supporting our clientele with advanced technology that our faculty develop through research. Our College is recognized as among the strongest agriculture and life sciences colleges in the world. We remain committed to North Carolina agriculture and North Carolina agricultural enterprises.