

DAVID L. JORDAN

Professor and Extension Specialist, Department of Crop Science
North Carolina State University
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Overview of Current Activities and Statement of Mutual Expectations

Dr. Jordan will provide leadership for Cooperative Extension Service activities related to weed management and agronomic production for the peanut industry in North Carolina. This is to be accomplished by the following activities: develop unbiased recommendations for weed management, plant growth regulators, inoculants, fertilizers, cultivars, tillage systems, irrigation systems, and cropping systems; assist in developing integrated pest management strategies that are effective and sustainable in cooperation with colleagues in the Departments of Crop Science, Plant Pathology, Entomology, and Biological and Agricultural Engineering; provide educational materials and information to Cooperative Extension agents, consultants, farmers, and other agribusiness personnel on new developments and approaches to weed management, agronomic production, and integrated pest management; provide assistance to Cooperative Extension agents and agribusiness personnel with problem solving; maintain good working relationships with the North Carolina Peanut Growers Association, the North Carolina Department of Agriculture and Consumer Services, peanut shellers, and other agribusiness groups; promote Cooperative Extension agent participation in the American Peanut Research and Education Society and other professional organizations; develop cooperative relationships with research and extension colleagues at state, regional, national, and international levels; and be readily available to assist all clientele in a timely and professional manner. Dr. Jordan will also continue research and extension activities supporting kenaf production in North Carolina.

Dr. Jordan is actively involved in international activities primarily associated with peanut production in Ghana, West Africa through the USAID Peanut CRSP projects entitled: *Improved Production Efficiency Through Standardized, Integrated, and Enhanced Research and Technology Transfer Approaches* (2002-2007) and *Improved West African Peanut Production for Enhanced Health and Socio-Economic Status Through the Delivery of Research-Based Production System in Ghana* (2008-2012). He is also a participant in a similar project in the Caribbean and Latin American countries. Dr. Jordan has participated in a *Farmer to Farmer Exchange Program* assessing peanut production, pest management, storage, and marketing in northern Mozambique in cooperation with CLUSA (Cooperative League of the United States of America) with support from USAID. He has prepared a memorandum of understanding for this project to facilitate a formal collaborative effort between North Carolina State University and CLUSA in Mozambique. Dr. Jordan was also involved in initial discussions among UNC-Chapel Hill, Duke University, and North Carolina State University to develop a Gates Foundation proposal entitled: *A Collaborative Approach to Improving Childhood Nutrition in the Developing World*. He is currently involved in discussions with other faculty at North Carolina State University regarding involvement in development projects in Malawi through the Clinton-Hunter Initiative.

Dr. Jordan will conduct applied research in areas of weed management, integrated pest management, and

agronomic production that support his peanut extension program. These research activities will address both immediate and long-term issues facing the peanut industry in North Carolina, the region, nationally, and internationally. Results will be presented during Cooperative Extension Service field faculty in-service education programs, county production meetings, field days and plot tours, and professional conferences, and will be developed into manuscripts for submission to peer reviewed journals including *Agronomy Journal*, *Weed Science*, *Weed Technology*, *Peanut Science*, *Journal of Crop Management*, *Journal of Cotton Science*, *Plant Disease*, and *Journal of Economic Entomology*. Dr. Jordan has also conducted applied research to address issues associated with kenaf production and pest management in North Carolina.

Dr. Jordan will participate in undergraduate and graduate education programs. This includes instructing two courses in the Agricultural Institute in the College of Agriculture and Life Sciences (CS 052 - *Weed Control in Field Crops* and CS 063 - *Peanut Production*) and a co-instructor for one graduate level course (CS 590B/795B - *Cotton, Peanut, and Tobacco Production*) and one undergraduate course (CS 462 – *Soil-Crop Management Systems*). He will also present guest lectures in undergraduate (CS 213 – *Crops: Adaptation and Production*, CS 411 – *Crop Ecology*, and CS 415 – *Integrated Pest Management*) and graduate level courses (CS 620C - *Crop Physiology I. Plant Response to Environment*) and the Department of Horticulture (HS/CS 717 - *Weed Management Systems*.) He will become more involved as a guest lecturer in STS 323 (*World Population and Food Prospects*), a freshman inquiry class on human development (STS 323Q), and MLS 501 (*Global Sustainable Human Development*). Dr. Jordan will serve on graduate committees in various departments in the College of Agriculture and Life Sciences at North Carolina State University and will direct MS and PhD students. Dr. Jordan will participate in departmental and college affairs and will be an active participant in professional societies. He has served as Associate Editor for the *Journal of Production Agriculture*, *Agronomy Journal*, the *Journal of Crop Management*, *Peanut Science* (two terms), and *Weed Technology*. He also reviews potential manuscripts for these journals on a routine basis.

North Carolina State University will provide the atmosphere and resources to ensure that Dr. Jordan is successful in his efforts as an Extension Specialist and Associate Professor in the Department of Crop Science. This will include providing sufficient technical support and funds necessary to carry out a successful and identifiable research and extension programs at local, regional, national, and international levels. Technical support includes providing a technician to assist with field research and extension programs and opportunities to increase Dr. Jordan's ability to motivate technical support. This will include providing funds for pay raises and professional advancement. Appropriate transportation, equipment, and supplies will be provided by North Carolina State University to ensure quality research and extension programs. North Carolina State University will provide opportunities for Dr. Jordan's professional development and involvement in programs and professional societies and organizations at regional, national, and international levels.

Brief Resume

NAME:

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EDUCATION:

PhD Agronomy, University of Arkansas, 1988-1993; MS Crop Science, North Carolina State University, 1986-1988; BS Agronomy, North Carolina State University, 1983-1985; AS, Chowan College, 1982-1983.

ACADEMIC AND PROFESSIONAL APPOINTMENTS:

Professor and Crop Science Extension Specialist, North Carolina State University (2007-present), Associate Professor and Crop Science Extension Specialist, North Carolina State University (2002-2007), Assistant Professor and Crop Science Extension Specialist, North Carolina State University (1996-2002), Adjunct Assistant Professor, Department of Plant Pathology and Crop Physiology, Louisiana State University (1994-1996), Assistant Professor, Northeast Research Station, Louisiana State University Agricultural Center (1993-1996).

Current Appointment and Description: 59% Extension, 20% Research, 21% Academic

PRESENT PROGRAM EMPHASIS AND GOALS:

Research

Areas of research include: evaluation of plant growth regulators; develop and refine integrated pest management strategies for peanuts in cooperation with other faculty in the College of Agriculture and Life Sciences; develop weed management strategies with emphasis on new weed control technologies; evaluate irrigation systems that include subsurface drip and overhead sprinkler irrigation; evaluate interactions among planting patterns, seeding rates, and varieties; evaluate interactions among agrichemicals; evaluate relationships of soil fertility and pod yield and quality characteristics; evaluate carryover potential of herbicides applied to rotation crops; evaluate economic and biological implications of peanut-based cropping systems; evaluate tillage systems; develop management strategies for efficient kenaf production; and currently managing many of the weed science responsibilities previously under the direction of Dr. John Wilcut in the Department of Crop Science. A major emphasis of the weed science research is developing strategies and understanding mechanisms of weed resistance to herbicides and evaluating viability of weed management systems that include glyphosate. In doing so he will work closely with Dr. Scott Clewis in continuing a large multi-state field program evaluating the sustainability of cropping systems associated with glyphosate-resistant crops that includes 29 growers across North Carolina (2006-2009.) Dr. Jordan is also directing one MS student previously under the direction of Dr. Michael Burton in the Department of Crop Science. This student's project is associated with movement and viability of Palmer amaranth pollen and ecology of species in the nightshade family of weeds.

Academic

Instructor for CS 052 (*Weed Control in Field Crops*) (1999-present) and CS 063 (*Peanut Production*) (1996-present), and co-instructor for CS 590B/795B (*Cotton, Peanut, and Tobacco Production Systems*) (2002-present) and CS/SSC 462 (*Soil-Crop Management Systems*) (2008-present). guest lecturer in graduate level (CS/HS 717, CS 620C) and undergraduate (CS 213, CS 411, CS 415, STS 323, STS 323Q, MLS 601) courses; advisor or co-advisor of 5 MS and 7 PhD graduate students; and member of 15 MS and 16 PhD graduate committees.

Extension

Areas of extension involvement include: direct statewide educational programs related to weed management and production principles of peanut; assist Cooperative Extension field faculty with their county programs as related to peanut production and pest management issues; present pertinent findings and recommendations at county production meetings, plot tours, and field days; establish on-farm tests, provide updated resources on production and pest management practices, and assisting with problem solving situations; coordinate publication of *Peanut Information* (AG-331) and other appropriate Extension publications; contribute to production and pest management issues related to kenaf production; and serve as the agronomist and weed scientist on USAID Peanut CRSP projects.

AWARDS AND HONORS (Career):

Outstanding Extension Service Award, North Carolina State University (2007), Academy of Outstanding Faculty Engaged in Extension, North Carolina State University (2007), Epsilon Sigma Phi XI Chapter Early Career Award (2004); Outstanding Young Weed Scientist, Southern Weed Science Society (2004); Outstanding Young Scientist (Early Career Award), Weed Science Society of America (2003); Gamma Sigma Delta (1991); Outstanding Graduate Student Teaching Assistant, Department of Crop Science, North Carolina State University (1987).

MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Association for the Advancement of Science (1994), American Peanut Research and Education Society (1997-present), American Peanut Council (1997-present), American Society of Agronomy (1987-present), Arkansas Agricultural Pesticide Association (1988-1992), Council for Agricultural Science and Technology (1990-2000; 2007-present), Crop Protection Association of North Carolina (1997-present), Crop Science Society of America (1987-1997, 2007), Gamma Sigma Delta (1991-present), International Weed Science Society (1992-present), Louisiana Plant Protection Association (1993-1996), National Association of County Agricultural Agents (2004-2005), North American Colleges and Teachers of Agriculture (2003-2005), Northeast District Association of County Agricultural Agents (2003-2005), Plant Pathology Society of North Carolina (2001-2005), Rice Technical Working Group (1993-1996); Soil Science Society of America (1987-1997), Southern Weed Science Society (1987-present), Weed Science Society of America (1987-present), Weed Science Society of North Carolina (1987-1990; 1997-present).

APPOINTMENTS AND SERVICE:

Associate Editor, *Journal Crop Management* (2006-2008); Associate Editor, *Peanut Science* (1999-2001; 2006-2008); Associate Editor, *Weed Technology* (2002-2004); Associate Editor, *Agronomy Journal* (1999-2001); Associate Editor, *Journal of Production Agriculture* (1997-1999).

OFFICES AND BOARD OF DIRECTORS

Representative to the Weed Science Society of America Board of Directors for the Southern Weed Science Society (2005-2007); State Agency Representative to the Board of Directors, American Peanut Research and Education Society (2001-2003); Advisor to the North Carolina Crop Protection Association (2000-2006); President, Weed Science Society of North Carolina (1999-2000); Representative from Academia to the Board of Directors, Southern Weed Science Society (1997-1999); Regional Representative to the Rice Technical Working Group (1995).

COMMITTEES

Strategic Planning Study Group, College of Agriculture and Life Science (2008-2009), Search Committee Member, Weed Science Research and Academic Position in the Department of Crop Science (2008-2009), Ad-Hoc Committee, Advances in *Arachis* Through Genomics and Biotechnology (2007-present); Topic Co-organizer, Integrated Weed Management, 5th International Weed Science Congress,

Vancouver, BC Canada (2007-2008); Pesticide Minor Use and Registration Committee (2007-present); State Extension Conference Planning Committee (2006-2007); Search Committee Member, Forage Position, Department of Crop Science (2006-2007); Search Committee Member, Extension Soils Specialist, Department of Soil Science (2005-2006); Program Chair for the 2005 Crop Protection School; Program Committee for the 1999, 2000, 2005-2008 Crop Protection School; Cooperative Extension Service representative, Peanut Variety and Quality Evaluation Committee (1997-present); Steering Committee, Southern Conservation Tillage Systems Conference (SERA IEG-020) (2002-2006); The Peanut Farm Press Profitability Award Advisory Board (2001-present); Chair, Virginia-Carolina Peanut Advisory Committee (2000).

INTERNATIONAL ACTIVITIES

USAID Peanut CRSP, *Improved Production Efficiency Through Standardized, Integrated, and Enhanced Research and Technology Transfer Approaches* (2002-2007); USAID Peanut CRSP, *Improved West African Peanut Production for Enhanced Health and Socio-Economic Status Through the Delivery of Research-Based Production System in Ghana* (2008-2012); CLUSA (Cooperative League of the United States of America) and USAID, *Farmer to Farmer Exchange Program* assessing peanut production, pest management, storage, and marketing; informal working group involving UNC-Chapel Hill, Duke University, and North Carolina State University developing a Gates Foundation proposal entitled: *A Collaborative Approach to Improving Childhood Nutrition in the Developing World*, and informal working group with other faculty at North Carolina State University regarding involvement in development projects in Malawi through the Clinton-Hunter Initiative.

PUBLICATION RECORD AND GRANTS

Publications: Book or Encyclopedia Chapters 4, Peer-reviewed publications 150 [80 as senior author or graduate student as senior author. Distribution of peer-reviewed publications: *Weed Technology* (67), *Peanut Science* (39), *J. of Cotton Science* (12), *Agronomy J.* (10), *Weed Science* (8), *J. of Crop Management* (5), *Plant Disease* (2), *J. Economic Entomology* (2); *Tobacco Science* (2), *Applied Agricultural Engineering* (1), *Plant Pathology J. of the Asian Network for Scientific Information* (1), *Transactions of the ASABE* (1)], Abstracts and Proceedings 336, Presentations at Professional Conferences 135, Extension Publications and Revisions 88, Formal Extension Presentations and Certified Crop Advisor Program 252, Field Days and Tours 48, Extension Agent In-Service Training Sessions 29, Invited Presentations 28, Non-referred Bulletins 39, Popular Press 117. Grants: Louisiana State University Agricultural Center – Research (\$442,502; 1993-1996), North Carolina State University – Research and Extension combined (\$2,675,867; 1997-present).

COMMUNITY ACTIVITIES AND ORGANIZATIONS

Raleigh Civitan Club (2003-2007); Associate Member, Civitan International (2008-present); established and maintains the *Mildred Lewis Jordan Science Scholarship* (1994-present), Edenton Holmes High School, Edenton, NC and the *Bessie Smith Harrell Science Scholarship* (2007-present), Perquimans County High School, Hertford, NC; sponsorship programs through local churches in Honduras and Christian Children's Fund (1998-present); disaster relief and recovery projects in Armenia, El Salvador, Honduras, Gulf Coast of US, Mozambique, New York, Sri Lanka, and North Carolina through the North Carolina Baptist Men, North Carolina State Convention, Cary, NC; Member, Forest Hills Baptist Church, involved in youth activities; invited speaker, Campbell University Baptist Student Union (2005), Campbell University Campus Crusade for Christ (2006), North Carolina State University Baptist Student Union (2005) and Chowan University Perspectives (2007); ACLU, Human Rights Watch, Amnesty International, Friend of the Southern Poverty Law Center (2008-present); Assistant Baseball Coach, Fuqua-Varina Athletic Association (1997-1999, 2003).

TEACHING AND MENTORING OF UNDERGRADUATE AND GRADUATE STUDENTS

Teaching effectiveness

Courses taught

Year	Enrollment			<i>Soil/Crop Management Systems (CS/SSC 462)</i>
	<i>Peanut Production (CS 063)</i>	<i>Weed Control in Agronomic Crops (CS 052)</i>	<i>Cotton, Peanut, and Tobacco Production (CS 590B/CS 795B)</i>	
1996	26	-	-	-
1997	19	-	-	-
1998	21	-	-	-
1999	23	23	-	-
2000	16	22	-	-
2001	7	13	-	-
2002	7	18	12	-
2003	7	24	-	-
2004	9	16	19	-
2005	11	11	-	-
2006	16	23	-	-
2007	28	23	-	-
2008	-	-	39	9

Course descriptions

Instructor for the course *Weed Control in Field Crops (CS 052)* course offered in the Agricultural Institute curriculum at North Carolina State University. Topics discussed in this course include: definitions and terminology used in the discipline of weed science, weed ecology and morphology as related to how and why weeds become established; interference of weeds with major agronomic crops in North Carolina with emphases on economic threshold development and utilization of decision support systems; theory and occurrence of herbicide resistant weed ecotypes; discussion of herbicide families and mechanism/mode of herbicide action with emphasis on practical importance such as prevention and management of herbicide resistant ecotypes; fate of herbicides in soil and plants; and development of weed management strategies for major agronomic crops in North Carolina.

Instructor for the course *Peanut Production (CS 063)* course offered in the Agricultural Institute curriculum at NC State University. This course emphasizes all aspects of peanut production in North Carolina as well as exposure to national and international production, utilization, and marketing. Lectures include origin of peanut, historical importance of peanut, botanical and market classification, variety selection, basic physiological and morphological characteristics, harvesting principles and factors that affect market grades, yield, and economic value of peanut. Management of insect, weed, disease, and nematode pests is also discussed with emphasis on integrated pest management.

Co-instructor for CS 590B/CS795B entitled *Cotton, Peanut, and Tobacco Production Systems*. This course is taught during the summer and involves a one-day session each week evaluating crop production and pest management principles for these three major economical crops grown in North Carolina. Students receive practical experience in the field.

Co-Instructor for CS/SSC 462 entitled *Soil-Crop Management Systems* is a capstone course in soil-crop management that requires students to combine agronomic knowledge with analytical, managerial, and communication skills to address real-world problems in crop management.

Student evaluations

Peanut Production (CS 063) – student response scores*

Criteria	96	97	98	99	00	01	02	03	04	05	06
Instructor's knowledge	4.2	4.7	4.6	4.8	4.8	4.6	5.0	4.7	4.8	4.6	4.0
Instructor's enthusiasm	4.1	4.7	4.6	4.8	4.9	4.7	5.0	4.7	4.8	4.4	4.0
Willingness to help outside class	4.1	4.5	4.5	4.7	4.9	4.7	5.0	4.7	4.8	4.5	4.0
Responsiveness to questions	4.1	4.8	4.4	4.8	4.9	4.7	5.0	4.7	4.8	4.6	4.1
Overall teaching effectiveness	3.9	4.6	4.6	4.7	4.9	4.7	5.0	4.7	4.8	4.6	4.1
Overall teaching effectiveness (Department)	4.3	4.5	4.0	4.2	4.2	4.4	4.5	4.3	4.4	4.4	4.4

*Scores are based on a 1-5 scale with 1 = poor, 2 = fair, 3 = good, 4 = very good, and 5 = excellent.

Criteria	2007
Stated objectives/outcomes	4.55
Receptive to students outside classroom	4.55
Explained difficult material well	4.55
Enthusiastic about teaching course	4.64
Prepared for class	4.45
Gave prompt and useful feedback	4.64
Effectively used instructional technology	4.55
Consistently treated students with respect	4.64
Overall effectiveness (instructor)	4.64
Overall effectiveness (department average)	4.29
Enrollment (% completing survey)	28 (39%)

*Weed Control in Field Crops (CS 052) – student response scores**

Criteria	1999	2000	2001	2002	2003	2004	2005	2006
Instructor's knowledge	4.7	4.7	4.9	4.8	4.9	4.8	4.8	4.7
Instructor's enthusiasm	4.7	4.5	4.8	4.6	4.9	4.7	4.8	4.7
Willingness to help outside class	4.6	4.5	4.9	4.7	4.8	4.8	4.7	4.7
Responsiveness to questions	4.7	4.5	4.9	4.7	4.9	4.8	4.8	4.8
Overall teaching effectiveness	4.6	4.5	4.9	4.7	4.9	4.8	4.7	4.8
Overall teaching effectiveness (Department)	4.2	4.2	4.2	4.5	4.3	4.5	4.4	4.4
*Scores are based on a 1-5 scale with 1 = poor, 2 = fair, 3 = good, 4 = very good, and 5 = excellent.								

Criteria	2007
Stated objectives/outcomes	4.43
Receptive to students outside classroom	4.57
Explained difficult material well	4.21
Enthusiastic about teaching course	4.29
Prepared for class	4.50
Gave prompt and useful feedback	4.29
Effectively used instructional technology	4.50
Consistently treated students with respect	4.57
Overall effectiveness (instructor)	4.57
Overall effectiveness (department average)	4.29
Enrollment (% completing survey)	23 (61%)

*Cotton, Peanut, and Tobacco Production Systems (CS 590B/CS 795B) – student response scores**

Criteria	2002	2004	2008
Instructor's knowledge	4.9	4.9	
Instructor's enthusiasm	5.0	4.8	
Willingness to help outside class	5.0	5.0	
Responsiveness to questions	5.0	4.9	
Overall teaching effectiveness	5.0	4.8	
Overall teaching effectiveness (Department)	4.5	4.5	
*Scores are based on a 1-5 scale with 1 = poor, 2 = fair, 3 = good, 4 = very good, and 5 = excellent.			

*Soil-Crop Management Systems. CS/SSC 462 – student response scores**

Criteria	2008
Stated objectives/outcomes	4.00
Receptive to students outside classroom	4.20
Explained difficult material well	4.25
Enthusiastic about teaching course	4.40
Prepared for class	4.40
Gave prompt and useful feedback	4.40
Effectively used instructional technology	4.40
Consistently treated students with respect	4.40
Overall effectiveness (instructor)	4.00
Overall effectiveness (department average)	4.25
Enrollment (% completing survey)	9 (55.6%)

Guest lectures

<p><i>Weed Management Systems</i> Topics include: weed thresholds/HADSS, herbicide resistance, problem solving, rice and peanut weed management, trends in weed management for agronomic crops</p>	CS/HS 517	1996-2001, 2003-2008
<p><i>Crops: Adaptation and Production</i> Topics include: peanut/rice/sugarcane production systems, general farmer considerations, peanut production in West Africa, weed management, integrated pest management</p>	CS 213	2003-2008
<p><i>Crop Ecology</i> Topics include: peanut/rice/sugarcane production systems, general farmer considerations, peanut production in West Africa, pesticide interactions, harvest principles</p>	CS 411	2003-2007
<p><i>World Population and Food Prospects</i> Topics include: contrasts of worldwide production of peanut with emphasis on the US, Ghana, and Mozambique; UN Millennium Goals; USAID Peanut CRSP organization and implementation; and general concepts on sustainable development</p>	STS 323 STS 323Q	2004-2008
<p><i>Global Sustainable Human Development</i> Topics include: contrasts of worldwide production of peanut with emphasis on the US, Ghana, and Mozambique; USAID Peanut CRSP organization and implementation; and general concepts on sustainable development</p>	MLS 501	2007-2008
<p><i>Crop Physiology I. Plant Response to Environment</i> Topics include: principles of peanut production with emphasis on canopy architecture and pod maturation and development, calcium nutrition, pesticide interactions, and pesticide absorption</p>	CS 620C	2004, 2006, 2007
<p><i>AG 010</i> Topics included: overview of FCT in turf and agronomic courses</p>	AG 010	2006
<p><i>Crop Production</i> Topic included: origin of crop plants, development of agricultural systems, and terminology used in agriculture</p>	CS 011	2007
<p><i>Integrated Pest Management</i> Topics included understanding pesticide compatibility in the context of IPM strategies, using management strategies in peanut to demonstrate key components of IPM, and contrasts of IPM approaches in the United States compared with developing countries</p>	CS 415	2007

Instructional Development

Developed (with Drs. David Smith and Keith Edmisten) a graduate level course entitled: *Cotton, Peanut, and Tobacco Production Systems* (CS 590B/CS795B). This course is offered during the summer and is attended by graduate students and Cooperative Extension field faculty. Dr. Jordan continues to develop and improve instructional material for the courses *Peanut Production* (CS 063), *Weed Control in Field Crops* (CS 052), and *Soil/Crop Management Systems* (CS/SSC 462). Each year Dr. Jordan revises the entire course to reflect changes in Farm legislation and production and management practices. Dr. Jordan submitted an outline and supporting materials to the Department of Crop Science Undergraduate Coordinator and Academic Advisory Committee describing a survey course at the sophomore or junior level on issues related to agriculture for non-agriculture majors entitled *Survey of Global Food Production Issues*. This course has not been developed. Dr. Jordan is developing a distance education course at the 500 level tentatively entitled *Using Peanut as a Vehicle to Teach Principles of Production, Integrated Pest Management, and Marketing*.

Mentoring Activities

Undergraduate Advising

Belch, B., 2005-present

Graduate Committees

Master of Science (15)

Strahan, R. Itchgrass (*Rottboellia cochinchinensis* Lour. W. Clayton) Interference and Management in Corn. (Advisor, Dr. Jim Griffin, Department of Plant Pathology and Crop Physiology, Louisiana State University, Baton Rouge, LA, completed Summer 1996)

Bailey, A. Evaluation of Weed Management Systems in Various Crops Utilizing Diclosulam and Evaluation of Velvetleaf Interference Characteristics and Seed-Rain Dynamics in Cotton. (Advisor, Dr. John Wilcut, Department of Crop Science, completed Spring 1999)

Corbett, J. Evaluation and Comparison of Buctril and Liberty as Weed Management Systems in Cotton. (Advisor, Dr. John Wilcut, Department of Crop Science, completed Fall 2000)

Clewis, S. Economic Assessment of New Weed Management Technologies in Conventional and Strip Tillage Cotton and Peanut, and Common Ragweed Interference in Peanut. (Advisor, Dr. John Wilcut, Department of Crop Science, completed Fall 2001)

Lassiter, B. Evaluation of weed scouting methods and the effects of glyphosate drift on North Carolina peanut (*Arachis hypogaea*) production. (Advisors, Drs. John Wilcut and Gail Wilkerson, Department of Crop Science, completed Fall 2005)

Hurt, C. Implications of Cultural and Chemical Management Strategies on the Incidence of Tomato Spotted Wilt Virus. (Advisor, Dr. Rick Brandenburg, Department of Entomology, completed Fall 2003)

Thomas, W. Effect of Glyphosate on Weed Management and Reproductive Biology of Glyphosate Resistant Corn. (Advisor, Dr. John Wilcut, Department of Crop Science, completed Fall 2003)

Parker, R. Weed Management in Glyphosate-Resistant Corn (*Zea mays*) as Affected by Postemergence Herbicide, Timing of Postemergence Herbicide Applications, and Glyphosate Products. (Advisor, Dr. Alan York, Department of Crop Science, completed Spring 2004)

Sun, M. Investigation of Seed Quality Issues Associated with High-Oleate Peanut (*Arachis hypogaea* L.) Cultivars. (Advisor, Dr. Jan Spears, Department of Crop Science, completed Spring 2005)

Wilkinson, C. Stand Loss and Replanting and Their Effect on Flue-Cured Tobacco Yield and Quality. (Advisors, Drs. Loren Fisher and David Smith, Department of Crop Science, completed Spring 2005)

Gardner, A. Weed Management in Glufosinate-Tolerant Cotton (Advisor, Dr. Alan York, Department of Crop Science, completed Spring 2006)

Collins, G. Defining Optimal Defoliation and Harvest Timing for Various Fruiting Habits of Cotton in North Carolina (Advisors, Drs. Keith Edmisten and Randy Wells, Department of Crop Science, completed Spring 2006)

True, S. Investigations into the Biology and Management of the Invasive Plants Beach Vitex and Phragmites. (Advisor, Dr. Rob Richardson, Department of Crop science, North Carolina State University)

Hunt, A. Nitrogen Fertilization Strategies of Cotton in North Carolina. (Advisor, Dr. Keith Edmisten, Department of Crop Science, completed, Fall 2008)

Johnson, V. (Advisor, Dr. Loren Fisher, Department of Crop Science, expected completion, Fall 2010)

Doctor of Philosophy (15)

Miller, D. Perennial Weed Control Programs in Succession Planted and Fallowed Sugarcane (*Saccharum* spp.) Fields. (Advisor, Dr. Jim Griffin, Department of Plant Pathology and Crop Physiology, Louisiana State University, Baton Rouge, LA, completed Summer 1996)

Grymes, C. Interactive Effects of Weeds and Defoliating Insects in Soybean (*Glycine max*). (Advisor, Dr. Jim Griffin, Department of Plant Pathology and Crop Physiology, Louisiana State University, Baton Rouge, LA, completed Summer 1996)

Culpepper, A. Weed Management in Transgenic, Herbicide-Tolerant Crops. (Advisor, Dr. Alan York, Department of Crop Science, completed Spring 1999)

Stewart, A. Effect of Mepiquat Chloride on Cotton (*Gossypium hirsutum* L.) in a Wick Delivery System. (Advisor, Dr. Keith Edmisten, Department of Crop Science, completed Spring 2000)

Askew, S. Ecology, Physiology, and Management of Troublesome Weeds in North Carolina Cotton. (Advisor, Dr. John Wilcut, Department of Crop Science, completed Spring 2001)

Crooks, L. Control of Diclofop-Resistant Italian Ryegrass (*Lolium multiflorum*) in Winter Wheat (*Triticum aestivum*). (Advisor, Dr. Alan York, Department of Crop Science, completed Spring 2003)

Faircloth, J. Optimization of Yields and Quality Through Proper Timing of Cotton Management Decisions. (Advisor, Dr. Keith Edmisten, Department of Crop Science, completed Summer 2002)

Nuti, R. Improving Cotton Production Through Management Decisions Targeting Herbicide and Plant Growth Regulator Applications. (Co-Advisors, Drs. Keith Edmisten and Randy Wells, Department of Crop Science, completed Summer 2004)

Viator, R. Investigation of the Reproductive and Storage Carbohydrate Limitations of Modern Cotton Cultivars. (Co-Advisors, Drs. Keith Edmisten and Randy Wells, Department of Crop Science, completed Summer 2003)

MacRae, A. Evaluation of Halosulfuron, Thifensulfuron-methyl, and Trifloxysulfuron for Their Use in Sweet Potato. (Advisor, Dr. David Monks, Department of Horticulture, completed Spring 2005).

Wilson, D. Evaluation of Weed Management and Agronomic Utility of Cotton Grown on a 38-cm Configuration. (Advisor, Dr. Alan York, Department of Crop Science, completed Spring 2005)

Everman, W. Influence of Environmental and Physiological Factors on Glufosinate and Glyphosate. (Under the direction of Drs. Alan C. York and John W. Wilcut, Department of Crop Science, completed Fall 2007).

Beaudoin, A. Assessment of TSWV-Resistant Crops as a Viable Long-Term Management Strategy in Eastern North Carolina. (Advisor, Dr. George Kennedy, Department of Entomology, expected completion Summer 2009)

Place, G. Selecting genotypes for weed suppression in soybean and peanut. (Adisors, Drs. Chris Reberg-Horton and Michael Burton, Department of Crop Science, expected completion Fall 2009)

Riar, R. Physiological studies in cotton. (Advisor, Dr. Randy Wells, Department of Crop Science, expected completion Spring 2009)

Master of Agriculture (4)

Register, T. (completed Spring 1998)

Whitehead, A. J., Jr. (completed Fall 1999)

Britton, T. (completed Fall 2000)

Cochran, A. (completed Spring 2003)

Graduate School Representative - PhD candidates (3)

D. Master's and Doctoral theses directed or co-directed

Master of Science (5)

Beam, J. Influence of Prohexadione Calcium on Yield Components and Pest Management in Peanut (*Arachis hypogaea*). (Co-Advisors, Drs. David Jordan and Alan York, Department of Crop Science, completed Spring 2001)

Lanier, J. Peanut (*Arachis hypogaea*) Response to Cultural Practices Related to Planting Pattern,

Irrigation, and Fertility. (Co-Advisors, Drs. David Jordan and Randy Wells, Department of Crop Science, completed Spring 2004)

Lancaster, S. H. Interactions and Compatibility of Late-Season Pest Management Practices in Peanut (*Arachis hypogaea*). (Advisor, Dr. David Jordan, Department of Crop Science, completed Spring 2004)

Drake, W. Influence of Tillage and Cropping System on Soil Quality and Crop Yield in North Carolina. (Advisor, Dr. David Jordan, Department of Crop Science, expected completion Spring 2010)

Stark, A. (Advisor, Dr. David Jordan, Department of Crop Science, expected completion Fall 2009)

Doctor of Philosophy (7)

Patridge, D. Potential for Management of Sclerotinia Blight with Resistance, Fungicides, and the Biological Control Agent *Coniothyrium minitans*. (Co-Advisors, Drs. Turner Sutton and David Jordan, Departments of Plant Pathology and Crop Science, completed Spring 2005)

Carley, D. Potential Use of Hyper-Spectral and Multi-Spectral Remote Sensing Imagery to Enhance Management of Peanut (*Arachis hypogaea*). (Advisors, Drs. David Jordan and Turner Sutton, Departments of Crop Science and Plant Pathology, completed Summer 2006)

Clewis, S. Development of Weed Management Systems for Various Problematic Agronomic Weeds in North Carolina. (Advisor, Dr. David Jordan, Department of Crop Science, North Carolina State University, completed, Fall 2007)

Lassiter, B. Development of an Integrated Pest Management Decision Support System and Other Agronomic Considerations for the Successful Production of Peanut (*Arachis hypogaea* L.) in North Carolina. (Advisors, Drs. Gail Wilkerson and David Jordan, Department of Crop Science, expected completion Fall 2009)

Whitaker, J. Distribution, Biology, and Control of Glyphosate-Resistant Palmer Amaranth in North Carolina. (Advisors, Drs. Alan York and David Jordan, Department of Crop Science, expected completion Spring 2009)

Chandi, A. Characterization of Fitness of Glyphosate and Acetolactate Synthase Resistant Weed Biotypes (Advisors, Drs. David Jordan and Jim Burton, Departments of Crop Science and Horticulture, expected completion Fall 2010)

Chahal, G. Characterization of Biological and Physical Interactions Among Pesticides and other Agrichemicals (Advisors, Drs. David Jordan and Jim Burton, Departments of Crop Science and Horticulture, expected completion Fall 2010)

SCHOLARSHIP IN THE REALMS OF FACULTY RESPONSIBILITY

Scholarly Accomplishments

Publications

Book Chapters and Encyclopedia Articles (4)

Jordan, D. and J. Spears. 2007. Peanut Industry. Pages 189-190 in W.A. Darity, E. Bonilla-Silva, P. Costanzo, P.L. Mason, P. McClain, D. Scott, and T. Singleton, eds. International Encyclopedia of the Social Sciences, 2nd Edition. Macmillan References USA, Farmington Hills, MI.

Voysesst-Voysest, O., M. Black, K. Downey, J. Spears, and **D.L. Jordan**. 2006. Peanut. Pages 478-480 in M. Black, J.D Bewley, and P. Halmer, eds. The Encyclopedia of Seed: Science, Technology, and Uses. CAB International, London, UK.

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Peer Reviewed Publications (150)

Jordan, D.L., S.H. Lancaster, J.E. Lanier, B.R. Lassiter, and P.D. Johnson. 2009. Peanut (*Arachis hypogaea*) and eclipta response to flumioxazin. Weed Technol. 22: (tentatively accepted)

Carley, D.S., **D.L. Jordan**, R.L. Brandenburg, and L.C. Dharmasri. 2009. Factors influencing response of Virginia market type peanut (*Arachis hypogaea*) to paraquat under weed-free conditions. Peanut Sci. 36: (tentatively accepted)

Jordan, D.L., J.S. Barnes, T. Corbett, C.R. Bogle, T. Marshall, and P.D. Johnson. 2009. Influence of crop rotation on peanut (*Arachis hypogaea* L.) response to *Bradyrhizobium* in North Carolina. Peanut Sci. 36: (accepted)

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Givens, W., D.R. Shaw, G.R. Kruger, W.G. Johnson, S.C. Weller, B.M. Young, R.G. Wilson, M.D.K. Owen, and **D.L. Jordan**. 2009. Survey of tillage practices in glyphosate resistant crops. Weed Technol. 22: (accepted)

Shaw, D.R., W. Givens, L. Farno, P. Gerard, **D.L. Jordan**, W.G. Johnson, S.C. Weller, B.M. Young, R.G. Wilson, and M.D.K. Owen. 2009. Using a grower survey to assess the benefits and challenges of glyphosate-resistant cropping systems for weed management in U.S. corn, cotton, and soybean. Weed technol. 22: (accepted)

Givens, W., D.R. Shaw, G.R. Kruger, W.G. Johnson, S.C. Weller, B.M. Young, R.G. Wilson, M.D.K. Owen, and **D.L. Jordan**. 2009. A grower survey of herbicide use patterns in glyphosate resistant cropping systems. *Weed Technol.* 22: (accepted)

Johnson, W.G., G.R. Kruger, S.C. Weller, M.D.K. Owen, D.R. Shaw, J.W. Wilcut, **D.L. Jordan**, R.G. Wilson, M.L. Bernards, and B.M. Young. 2009. U.S. grower views on problematic weeds and changes in weed pressure in glyphosate-resistant corn, cotton, and soybean cropping systems. *Weed Technol.* 22: (accepted)

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- Kendig, J. A., R. E. Talbert, R. E. Frans, and **D. L. Jordan**. 1991. Herbicide carryover may limit winter cover cropping potential in Arkansas. pp. 39-40 *in* T. C. Keisling, ed. Proc. Southern Conservation Tillage Conf., North Little Rock, Ark. June 18-20, 1991. Univ. of Ark. Spec. Rep.

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Jordan, D. L., R. E. Frans, M. R. McClelland, and W. G. Johnson. 1990. Spectrum of Activity of V-53482. *Proc. South. Weed Sci. Soc.* 43:127.

Jordan, D. L., R. E. Frans, M. R. McClelland, and W. G. Johnson. 1990. Evaluation of KIH-8921 for weed management systems in cotton. *Proc. South. Weed Sci. Soc.* 43:114.

Johnson, W. G., R. E. Frans, **D. L. Jordan**, and M. R. McClelland. 1990. Evaluation of DPX-V9360 and primisulfuron for weed management systems in corn. *Proc. South. Weed. Sci. Soc.* 43:48.

Frans, R. E., **D. L. Jordan**, and M. R. McClelland. 1990. Selectivity of KIH-8921 for weed management in cotton. *Abstr. Weed Sci. Soc. Amer.* 30:19.

Frans, R. E. and **D. L. Jordan**. 1990. Implication of an IPM approach to weed control. pp. 65-77 in D. M. Oosterhuis, ed. *Proc. 1990 Cotton Res. Meeting. Ark. Cotton Prod. Res. Group. Ark. Agric. Exp. Stn. Special Report* 144.

Jordan, D. L., R. A. Wichert, R. E. Frans, R. E. Talbert. 1990. Interactions of bentazon and paraquat on selected weeds and crops. *Abstr. Ark. Pestic. Assoc.* 29:5.

Carey, V. F., III, R. E. Frans, M. R. McClelland, and **D. L. Jordan**. 1990. Use of V-23031 and V-53482 in Arkansas crops. *Abstr. Ark. Pestic. Assoc.* 29:6.

Kendig, J. A., **D. L. Jordan**, and R. E. Talbert. 1990. Carryover potential of nicosulfuron, primisulfuron, and KIH-8921 (DPX-PE350). *Abstr. Ark. Pestic. Assoc.* 29:8-9.

Frans, R. E., **D. L. Jordan**, and M. R. McClelland. 1990. Morningglory management in Arkansas cotton. p. 364 in J. M. Brown, ed. *Proc. Beltwide Cotton Prod.-Res. Conf., Las Vegas, NV. Jan. 9-14, 1990. Natl. Cotton Counc. Amer., Memphis, TN.*

Jordan, D. L., R. E. Frans, M. R. McClelland and W. G. Johnson. 1990. Influence of application variables on efficacy of KIH-8921. p. 347 in J. M. Brown, ed. *Proc. Beltwide Cotton Prod.-Res. Conf., Las Vegas, NV. Jan. 9-14, 1990. Natl. Cotton Counc. Amer., Memphis, TN.*

Jordan, D. L., R. E. Frans, M. R. McClelland, and W. G. Johnson. 1990. Integration of clomazone into cotton weed management systems. P. 348 in J. M. Brown, ed. *Proc. Beltwide Cotton Prod.-Res. Conf. Las Vegas, NV. Jan. 9-14, 1990. Natl. Cotton Counc. Amer., Memphis, TN.*

Frans, R. E. and **D. L. Jordan**. 1989. Progress in Broadleaf Weed Control. pp. 47-52 in D. M. Oosterhuis, ed. *Proc. 1989 Cotton Res. Meeting. Ark. Cotton Prod. Res. Group. Ark. Agric. Exp. Stn. Special Report* 138.

Jordan, D. L., R. E. Frans, and M. R. McClelland. 1989. Primary evaluation of DPX-T9595 and KIH-8921 in cotton. *Proc. South. Weed Sci. Soc.* 42:105.

Johnson, W. G., R. E. Frans, and **D. L. Jordan**. 1989. The economics of postemergence grass herbicides for johnsongrass (*Sorghum halepense*) control in soybeans. Abstr. Ark. Agric. Pestic. Assoc. 28:13.

Johnson, D. H., W. G. Johnson, **D. L. Jordan**, and R. E. Talbert. 1989. The potential for carryover of DPX-V9360, primisulfuron, and KIH-8921 to rotational crops. Abstr. Ark. Agric. Pestic. Assoc. 28:16.

Jordan, D. L., R. E. Frans, M. R. McClelland, and W. G. Johnson. 1989. Comparison of selected herbicides for broadleaf weed control in cotton. Abstr. Ark. Agric. Pestic. Assoc. 28:11.

Jordan, D. L., A. C. York, and F. T. Corbin. 1988. Effect of BCH 815 and nitrogen on antagonism with tank mixes of sethoxydim and bentazon. Proc. South. Weed Sci. Soc. 41:281.

Jordan, D. L., R. E. Frans, M. R. McClelland, and P. J. Hathcock. 1988. Postemergence broadleaf weed control in cotton with DPX-T9595. Abstr. Ark. Agric. Pestic. Assoc. 27:13.

Jordan, D. L., M. R. McClelland and R. E. Frans. 1988. Safening of cotton from clomazone (Command) injury with phorate (Thimet). Abstr. Ark. Agric. Pestic. Assoc. 27:24.

York, A. C. and **D. L. Jordan**. 1988. Effect of nitrogen and DASH on the efficacy of sethoxydim. pp. 386-387 in J. M. Brown, ed. Proc. Beltwide Cotton Prod.-Res. Conf., New Orleans, LA. Jan. 3-8, 1988. Natl. Cotton Counc. Amer., Memphis, TN.

Invited presentations (30)

Jordan, D. 2008. Peanut Production. Bayer CropScience 2008 Retailer Information Meeting. November 25, 2008, Rocky Mount, NC.

Jordan, D. 2008. Weed Resistance in North Carolina. North Carolina Agricultural Foundation. November 19, 2008, Raleigh, NC.

York, A. (**D. Jordan** substituted for A. York.) Herbicide Resistance in Field Crops – Updates and Strategies. Annual Meeting of the North Carolina Weed Science Society, March 6, 2008, Raleigh, NC.

Jordan, D. Update on Peanut Production and Weed Management. Annual Peanut Grower Meeting, February 12, 2008, Franklin, VA.

Burk, J., G. Wright, and **D. Jordan**. 2007. Facilitators: Defining what needs to be done, anticipating products and milestones. Advances in *Arachis* Through Genomics and Biotechnology. October 26, 2007, Atlanta, GA.

Jordan, D. 2007. Seed Variety Outlook Seminar: V-C Region. Southern Peanut Growers Conference. American Shellers Association. The Peanut Foundation. July 16, 2007, Panama City, FL.

Hayes, B., K. Smith, **D. Jordan**, A. Kendig, B. Nichols, J. Ralston, B. Chism, S. Bruff, J. Altom, and S. Harrison. 2007. Panel discussion of glyphosate-resistant Palmer amaranth. Symposium title: Resistant Palmer Amaranth: Dilemma in Dixie. Southern Weed Science Society, January, 23, 2007, Nashville, TN.

Jordan, D.L. 2006. Potential for runner market types in the VC. January 18, 2006. Birdsong Peanuts VC Runner Meeting, Suffolk, VA.

Jordan, D.L. 2005. Panelist discussion of issues facing the peanut industry. July, 2005. Sponsored by the National Peanut Board and held in conjunction with the American Peanut Research and Education Society annual meeting. Newport News, VA.

Jordan, D.L. 2005. Contrast between peanut production in the United States and developing countries. Chowan County Farm City Banquet, November 22, 2005, Edenton, NC.

Jordan, D.L. 2004. Peanut crop update. Severn Peanut Co., September, 2004, Williamston, NC.

Jordan, D.L. and Jan Spears. 2004. Handling seed peanut. Birdsong Peanut Co., August, 2004, Franklin, VA.

Jordan, D.L. 2004. Agronomic and weed control update. 2004 Annual Peanut Production Meeting and Commercial Pesticide Application Re-certification. February 12, 2004, Suffolk, VA.

Jordan, D.L. 2004. Weed control and other production issues. South Carolina AG Expo. February 11, 2004, Columbia, SC.

Jordan, D.L. 2004. Agronomic viewpoint of growing peanut in 2004. Virginia/Carolina Risk assessment Seminar. January 12, 2004, Franklin, VA.

Jordan, D.L. 2003. Potential new crops – food soybeans, sicklepod, and kenaf. Oct. 27, 2003. Value-Added Agriculture for North Carolina Agricultural Leaders Meeting, Raleigh, NC.

Jordan, D.L. 2003. Tomato spotted wilt virus report. Virginia-Carolina Peanut Advisory Committee Annual Meeting. January 15, 2003, Roanoke Rapids, NC.

Jordan, D.L. 2003. Management considerations for conservation tillage systems for Virginia-type peanut production. Nat'l Conservation Tillage Cotton and Rice Conference, January 23-24, 2003, Houston, TX.

Jordan, D.L. 2002. US planting intentions. USA Peanut Trade Conference. April 23-24, 2002, London, UK.

Jordan, D.L. 2002. Peanut pesticide regulation and usage. USA Peanut Trade Conference. April 23-24, 2002, London, UK.

Jordan, D.L. 2002. Experiences with conservation tillage peanut production. Virginia Cooperative Ext. Ser. Education Session. Feb. 1, 2002, Tidewater Agric. Res. and Ext. Center, Suffolk, VA.

Jordan, D.L. 2002. Addressing agronomic and weed management issues in peanut. 2002 South Carolina Ag. Exp. Jan. 22-23, 2002, Columbia, SC.

Bailey, J.E., T.G. Isleib, **D. Jordan**, G. Kennedy, and J. Moyer. 2002. Panel discussion – Tomato spotted wilt virus – best strategies for control. 2002 Annual Meeting and Short course, North Carolina Foundation Seed Producers Assoc. and North Carolina Crop Improvement Assoc., Jan. 25, 2002, Raleigh, NC.

Jordan, D. L. 2001. Regulatory and agronomic issues with peanut production in the southeastern United States. University of Missouri at Columbia, Department of Agronomy, March 15, 2001, Columbia, MO.

Jordan, D. L. 2001. Impact of new weed management technologies on crop production systems – peanut. Weed Science Soc. of North Carolina Newsletter. Vol. 20 (1).

Jordan, D. L. 1999. Research and extension efforts designed to maintain and increase profitability of peanut production in the V-C area. p. 42 *in* R. Sholar, ed. Proc. Amer. Peanut Res. and Ed. Soc., Inc., July 13-16, 1999, Savanna, GA.

Jordan, D. L. 1995. Liquid fertilizers and other spray additives and their effects on herbicide efficacy. Pages 120-125 *in* Proc. of the 1995 Southern Soybean Conf., Feb. 15-17, 1995. Memphis, TN.

Jordan, D.L. 1995. Weed control in water-seeded rice. Missouri Rice Producers Conference, Feb. 8, 1995, Dexter, MO.

Jordan, D.L. 1994. Weed control research with Staple. Mississippi Cotton Production Shortcourse, Dec. 7-9, 1994, Greenville, MS.

Jordan, D. 1994. Evaluations of Staple in cotton. Dep. Plant Pathology and Crop Physiology, Louisiana State University, Baton Rouge, LA.

Departmental Seminars (6)

Jordan, D.L. 2006. Addressing peanut production issues in North Carolina over the past decade with applied research and extension programs. August 31, 2006, Raleigh, NC

Jordan, D.L. 2004. Addressing compatibility issues associated with agrichemicals. September 30, 2004, Raleigh, NC.

Jordan, D.L. 2003. Complexity of managing tomato spotted wilt in peanut. October 30, 2003, Raleigh, NC.

Jordan, D.L. 2002. Extension programs. CSREES Department of Crop Science Comprehensive Review. March 19, 2002, Raleigh, NC.

Jordan, D.L. 2001. Using applied research to answer practical questions posed by peanut growers in North Carolina. September 24, 2001, Department of Crop Science, North Carolina State University.

Jordan, D.L. 1998. Peanut production and pest management practices in North Carolina. March, 1998, Department of Crop Science, North Carolina State University.

Appointments:

Associate Editor, *Journal of Crop Management* (2006-2008)

Associate Editor, *Peanut Science* (1999-2001; 2006-2008)

Associate Editor, *Weed Technology* (2002-2004)

Associate Editor, *Agronomy Journal* (1999-2001)
Associate Editor, *Journal Production Agriculture* (1997-1999)

Secretary, S-183 CSRS Southern Regional Project. *Phenology, Population Dynamics, and Interference: A Basis for Understanding Weed Biology and Ecology*. (1993-1997)

Geographical Representative, Rice Technical Working Group. (1996)

Secretary, CSRS Southern Region Project: *Good Laboratory Practices (GLP) Task Force*. (1994)

Recognized Creative Artistry and Professional Achievements

Outstanding Extension Service Award, North Carolina State University (2007)

Academy of Outstanding Faculty Engaged in Extension, North Carolina State University (2007)

Epsilon Sigma Phi XI Chapter Early Career Award (2004)

Outstanding Young Weed Scientist, Southern Weed Science Society (2004)

Outstanding Young Scientist (Early Career Award), Weed Science Society of America (2003)

American Society of Agronomy Certificate of Excellence, 2002 Educational Awards Contest, Publications less than 16 pages for the publication *Peanut Seed Production: A Guide for Producers of Virginia Type Peanut Seed*. (AG-662)

American Society of Agronomy Certificate of Excellence, 1998 Educational Awards Contest, Publications greater than 16 pages for the *1998 Peanut Information* series (AG-331).

Grants and Contracts

***North Carolina State University* [\$2,675,867] (1997-present)**

2008 [\$370,554 to date]

2008 – Agribusiness grants: Syngenta (\$37,000), United Phosphorus, Inc. (\$5,000), Monsanto (\$3,000), Syngenta (\$6,000) – Total \$51,000

2008 – North Carolina Soybean Producers Association. Emergence, growth and management of the nightshade family of weeds. .Burton, M.G. [**D.L. Jordan** replacing M.G. Burton], A.C. York, and D.W. Monks - \$32,554.

2008-2009 – USDA-Risk Management Agency. Risk Reduction for Specialty Crops in the Southeast USA – G. Wilkerson, R. Boyles, U. Hatch, S. Schulze, and **D. Jordan** - \$135,000

2008 - National Peanut Board. Enhancing Research and Extension Efforts in Peanut Through On-Farm Testing and Field Tours – **D. Jordan**, R. Brandenburg, and B. Shew – \$15,000

2008 – North Carolina Peanut Growers Association – Characterizing and Managing Herbicide-Resistant

and other Problematic Weeds in Peanut - **D. Jordan** - \$4,000.

2008 – USAID Peanut CRSP - Improved West African Peanut Production for Enhanced Health and Socio-Economic Status Through the Delivery of Research-Based Production System in Ghana – R. Brandenburg and **D. Jordan** - \$136,000

2007 [\$505,600]

2007 – Agribusiness grants: Bayer CropScience (\$2,000), Becker Underwood (\$4,400), Dow AgroSciences (\$6,000), Full Circle Solutions (\$3,300), J. Leek Associates (\$4,000), M-Agan NA (\$4,700), EMD Biosciences (\$4,000), Nu-Farm (\$12,000), North Carolina Peanut Growers Association (\$3,200) – Total \$43,600

2007 – North Carolina Peanut Growers Association - Management of Palmer amaranth and Other Problematic Weed Species in Peanut - J. Wilcut and **D. Jordan** - \$7,000.

2007 – Monsanto Co. - Assessing Long-Term Viability of Roundup Ready Technology as a Foundation for Cropping Systems – J. Wilcut and **D. Jordan** - \$225,000

2007 - University Extension and Engagement Seed Grant - Increasing Awareness and Management of Herbicide Resistant Weeds in North Carolina - **D. Jordan**, J. Wilcut, A. York, R. Richardson, D. Monks, and K. Jennings - \$10,000.

2007 - National Peanut Board. Enhancing Research and Extension Efforts in Peanut Through On-Farm Testing and Field Tours. – **D. Jordan**, R. Brandenburg, and B. Shew – \$20,000

2007 – USDA/IPM CAR – Web-based Decision Support System for Peanut Pest Management in the Virginia-Carolina Region, September 2007 – September 2009, \$277,306 (G. G. Wilkerson, **D. L. Jordan**, B. R. Lassiter, R. L. Brandenburg, B. B. Shew, J. C. Faircloth).

2006 [\$252,109]

2006 – Agribusiness grants: BASF Corp. (\$750), Becker Underwood (\$3,000), Dow AgroSciences (\$2,750), J. Leek Associates (\$4,000), M-Agan NA (\$3,000), Nitragin (\$4,750), North Carolina Peanut Growers Association (\$2,700), Syngenta (\$750) – Total \$21,700

2006 – National Peanut Board. Enhancing Research and Extension Efforts in Peanut Through On-Farm Testing and Field Tours. – **D. Jordan**, R. Brandenburg, and B. Shew – \$24,000

2006 – North Carolina Peanut Growers Association - Evaluation of Cultural and Pest Management Practices for Optimum Peanut Production – **D. Jordan** – \$6,000

2006 – North Carolina Peanut Growers Association – Practical Management Strategies for Tomato Spotted Wilt Virus – R. Brandenburg and **D. Jordan** - \$5,050

2006-2008 - USDA/IPM – Integrated methods for sustainable control of glyphosate-resistant horseweed (*Conza canadensis*) and other problematic weeds (R.J. Richardson, J.W. Wilcut, A.C. York, and **D.L. Jordan**) - \$82,979

2006-2007 – USAID Peanut CRSP - Improved production efficiency through standardized, integrated, and enhanced research and technology transfer approaches (NCS19)– R. Brandenburg and **D. Jordan** - \$105,000

2006 - North Carolina Peanut Growers Association - Management of Palmer amaranth and other problematic weed species in North Carolina peanut – J. Wilcut and **D. Jordan** - \$7,380

2005 [\$178,889]

2005 – Agribusiness grants: Bayer CropScience (\$750), Becker Underwood (\$4,200), Dow AgroSciences (\$3,000), Gowan (\$1,500), J. Leek Associates (\$6,500), M-Agan NA (\$2,000), Nitragin (\$3,500), Stoller (\$3,900), Syngenta (\$3,750), US Gypsum (\$400), Valent USA (\$10,750) – Total \$36,350

2005 - National Peanut Board - Enhancing Research and Extension Efforts in Peanut Through On-Farm Testing and Field Tours. – **D. Jordan**, R. Brandenburg, and B. Shew – \$31,539

2005 - North Carolina Peanut Growers Association - Evaluation of Cultural and Pest Management Practices to Optimize Peanut Production. – **D. Jordan** - \$6,000

2005-2006 - USAID Peanut CRSP - Improved production efficiency through standardized, integrated, and enhanced research and technology transfer approaches (NCS19)– R. Brandenburg and **D. Jordan** - \$105,000

2004 [\$368,700]

2004 – Agribusiness grants: Becker Underwood (\$4,000), Dow AgroSciences (\$2,000), Nichino America (\$1,500), Nitragin (\$6,500), Valent USA (\$1,200) – Total \$15,200

2004 - North Carolina Peanut Growers Association – Developing Strategies to Minimize Deer Damage in Peanut. – **D. Jordan** - \$4,500

2004-2005 - USDA/IPM CAR – Enhancing peanut management through development and implementation of a web-based decision support system (G. Wilkerson, **D. Jordan**, B. Shew, R. Brandenburg, and B. Robinson) - \$260,000

2004-2005 - USAID Peanut CRSP - Improved production efficiency through standardized, integrated, and enhanced research and technology transfer approaches (NCS19)– R. Brandenburg and **D. Jordan** - \$90,000

2003 [\$359,112]

2003 – Agribusiness grants: Bayer CropScience (\$2,800), Becker Underwood (\$2,000), Dow AgroSciences (\$2,500), Gowan (\$2,000), M-Agan NA (\$2,000), Nichino America (\$1,000), Nitragin (\$4,800), Valent USA (\$7,000) – Total \$24,100

2003 - Southern Region IPM Center – USDA. Improved scouting and decision-making tools for weed management in field crops. G. Wilkerson, **D. Jordan**, and A. Price – \$110,884

2003 - North Carolina Peanut Growers Association - Evaluation of Cultural Practices for Optimum Peanut Production – **D. Jordan** – \$9,000

2003-2005 – Carolina Kenaf Farmer’s Foundation - Addressing Agronomic and Pest Management Issues for Kenaf Production in North Carolina - **Jordan, D.** and C. Crozier – \$12,000

2003 - Verify Soil Test P and K Rates for Kenaf. C. Crozier and **D. Jordan** – \$4,200

2003-2004 - USAID Peanut CRSP - Improved production efficiency through standardized, integrated, and enhanced research and technology transfer approaches (NCS19)– R. Brandenburg and **D. Jordan** - \$105,000

2003-2005 - Application of hyper-spectral and multi-spectral remote sensing imagery to enhance peanut disease forecasting systems in North Carolina – **D. Jordan**, C. Dharmasri, and T. Christensen - \$85,000

2003 – Extension IPM Committee. Increasing Grower Awareness of Cultural Practices Influencing Management of Tomato Spotted Wilt Virus in North Carolina Peanut – **D. Jordan** and R. Brandenburg - \$3,928 (2003)

2003 – Extension IPM Committee. Increasing Experience of Using HADSS (Herbicide Application Decision Support System) in Peanut by Cooperative Extension Field Faculty – **D. Jordan**, M. Rayburn, G. Wilkerson, and B. Robinson - \$5,000

2002 [\$186,726]

2002 – Agribusiness grants: Aventis (\$2,000), BASF Corp. (\$3,000), DowElanco (\$9,000), Eden BioSciences (\$4,000), Gowan (\$2,000), M-Agan NA (\$2,000), MicroBio (\$2,000), Nichino America (\$1,000), Urbana Labs (\$2,500), Valent USA (\$4,500) – Total \$32,000

2002-2003 - USAID Peanut CRSP - Improved production efficiency through standardized, integrated, and enhanced research and technology transfer approaches (NCS19) – R. Brandenburg and **D. Jordan** - \$120,000

2002 - National Science Foundation Center for IPM, New Grant Program for Graduate Students - Comparison of disease management systems under drip and sprinkler irrigation. – J. Lanier and **D. Jordan** - \$2,000

2002 - National Science Foundation Center for IPM, New Grant Program for Graduate Students - Management of Sclerotinia blight on peanut with the biocontrol agent *Coniothyrium minitans*. – D. Partridge, J. Bailey, and **D. Jordan** - \$2,000

2002 - North Carolina Peanut Growers Association - Evaluation of Cultural Practices for Optimum Peanut Production – **D. Jordan** – \$11,000

2002 - Refining production and pest management practices for kenaf – **D. Jordan** and A. York - \$6,000

2002 - Extension IPM Committee. Increasing Experience of Using HADSS (Herbicide Application Decision Support System) in Peanut by Cooperative Extension Field Faculty – **D. Jordan**, M. Rayburn, and G. Wilkerson - \$8,770

2002 – Extension IPM Committee. A Survey of Production and Pest Management Practices that Influence Incidence of Tomato Spotted Wilt Virus in North Carolina Peanut – **D. Jordan** and R. Brandenburg - \$4,956

2001 [\$227,003]

2001 – Agribusiness grants: Aventis (\$6,000), BASF Corp. (\$3,000), DowElanco (\$5,000), Eden BioSciences (\$1,000), FMC Corp. (1,000), MicroBio (\$1,500), Syngenta (2,900), Valent USA (\$1,400) – Total \$20,800

2001-2003 - National Peanut Board - Best management practices for Sclerotinia Blight using chemical, biological, and genetic inputs – **D. Jordan**, J. Bailey, B. Shew, T. Isleib, and R. Brandenburg - \$38,583

2001-2003 – National Peanut Board - Site specific IPM using multidisciplinary models and real-time delivery - R. Magarey, **D. Jordan**, T. Whitakers, and A. Slate - \$20,000

2001-2003 - North Carolina Peanut Growers Association - Maximizing Profit in North Carolina Peanut - **D. Jordan** – \$27,620

2001 - North Carolina Peanut Growers Association - Evaluation of Cultural Practices for Optimum Peanut Production – **D. Jordan** – \$10,000

2001 - Refining production and pest management practices for kenaf – **D. Jordan** and A. York - \$5,000

2001-2002 - USAID Peanut CRSP - Improved production efficiency through standardized, integrated, and enhanced research and technology transfer approaches (NCS19)– R. Brandenburg and **D. Jordan** - \$105,000

2000 [\$42,600]

2000 – Agribusiness grants: Aventis (\$3,000), BASF Corp. (\$15,000), Cyanamid (\$1,500), DowElanco (\$2,000), Griffin LLC (\$3,000), MicroBio (\$1,500), Novartis (\$2,000), Valent USA (\$1,600), Zeneca (\$3,000) – Total \$32,600

2000 - North Carolina Peanut Growers Association - Evaluation of Cultural Practices for Optimum Peanut Production - **D. Jordan** – \$10,000

1999 [\$116,624]

1999 – Agribusiness grants: BASF Corp. (\$15,000), Cyanamid (\$1,500), DowElanco (\$6,000), FMC Corp. (\$3,500), Griffin LLC (\$3,000), Novartis (\$1,000), Valent USA (\$2,700), Wilfar LLC (\$2,100), Zeneca (\$2,500) – Total \$37,300

1999-2000 - Environmental Protection Agency Survey, Studies, Investigations, and Special Projects On-Farm Research and Pesticide Alternatives in Peanut Production and Methods Implementation. R. Brandenburg, **D. Jordan**, J. Bailey, and S. Marlow - \$69,574

1999 - North Carolina Peanut Growers Association - Evaluation of reduced tillage systems in peanut - **D. Jordan** - \$7,250

1999 - North Carolina Peanut Growers Association - Optimizing peanut yields in North Carolina using non-conventional production systems - **D. Jordan**, T. Isleib, J. Bailey, R. Brandenburg - \$2,500

1998 [\$24,750]

1998 – Agribusiness grants: Cyanamid (\$1,000), DowElanco (\$7,000), FMC Corp. (\$1,750), Griffin LLC (\$1,000), Novartis (\$2,000), Wilfar LLC (\$2,000) – Total \$14,750

1998 - North Carolina Peanut Growers Association - Evaluation of pest management practices and reduced tillage systems - **D. Jordan** - \$10,000

1997 [\$39,750]

1997 – Agribusiness grants: BASF Corp. (\$8,250), Cyanamid (\$1,000), DowElanco (\$7,000), FMC Corp. (\$4,500), Griffin LLC (\$1,500), Novartis (\$2,500) – Total \$24,750

1997 - North Carolina Peanut Growers Association - Cost-effectiveness of peanut production systems with preventative and IPM-based pest management systems – **D. Jordan**, J. Bailey, R. Brandenburg, M. Linker, B. Brown, T. Isleib - \$4,000

1997 - North Carolina Peanut Growers Association - Interactions of cultural practices and plant growth regulator on peanut yield and quality – **D. Jordan** and T. Isleib - \$5,000

1997 – Extension IPM Committee - Evaluation of Production and Pest Management Practices in Runner and Virginia-type Peanuts in North Carolina – **D. Jordan** - \$6,000

Louisiana State University Agricultural Center (1993-1996) –Total funds (\$442,502)

1996 - Soybean and Feed Grain Research and Promotion Board – **D. Jordan** - \$38,000

1996 - Rice Research Board – **D. Jordan** - \$48,000

1996 - Commercial Grants – **D. Jordan** - \$71,740

1995 - Soybean and Feed Grain Research and Promotion Board – **D. Jordan** - \$20,000

1995 - Rice Research Board – **D. Jordan** - \$45,000

1995 - Commercial Grants – **D. Jordan** - \$43,600

1994 - Soybean and Feed Grain Research and Promotion Board – **D. Jordan** - \$20,000

1994 - Rice Research Board – **D. Jordan** - \$45,000

1994 - Commercial Grants – **D. Jordan** - \$26,662

1994 - NAPIAP: Justification of control measures for weed-insect pest complexes in soybean – J. Griffin, J. Boethal, R. Leonards, and **D. Jordan** - \$19,500

1993 – Soybean and Feed Grain Research and Promotion Board – **D. Jordan** - \$20,000

1993 – Rice Research Board – **D. Jordan** – \$45,000

Participation in Interdisciplinary/Multidisciplinary activities

Dr. Jordan has been involved in the USAID Peanut CRSP project entitled *Improved production efficiency through standardized, integrated, and enhanced research and technology transfer approaches* (NCS19, LAG-G-00-96-90013-00) (2002-2005) and *Improved West African Peanut Production for Enhanced Health and Socio-Economic Status Through the Delivery of Research-Based Production System in Ghana* (2008-2012). He serves as the agronomist/weed scientist on the project. This project involves annual visits to Ghana, West Africa to assess progress by scientists with respect to research and extension activities. Dr. Jordan also is a participant in USAID Peanut CRSP projects in the Caribbean and Latin America.

Dr. Jordan participated in a *Farmer to Farmer Exchange Program* initiated by Land O'Lakes as a volunteer consultant and scientist in northern Mozambique (March-April, 2007 and January-February, 2008) in cooperation with The Cooperative League of the United States (CLUSA.) This project involved assessing peanut production practices to determine factors that limit yield and quality of peanut in the region. Additional interaction with this project is anticipated. Peanut yield in Mozambique for subsistence farmers is between 500 and 1,000 pounds farmer stock/acre. The goal of this project is to increase yield and improve quality of peanut to improve diets of local populations and to establish and maintain sustainable local, regional, national, and international markets. Dr. Jordan traveled to Mozambique in 2007 to evaluate peanut production and management. During 2008 he coordinated research efforts with George Place, a PhD student in the Department of Crop Science, to implement control strategies to minimize the effect of aflatoxin (produced by *Aspergillus flavus*) in the peanut supply chain and to evaluate efficacy of *Bradyrhizobium* inoculant and fungicides. A survey of production and pest management practices was conducted to establish baseline information. He has prepared a memorandum of understanding for this project to facilitate a formal collaborative effort between North Carolina State University and NGOs (CLUSA) in Mozambique.

Dr. Jordan is also involved in initial discussions among UNC-Chapel Hill, Duke University, and North Carolina State University to develop a Gates Foundation proposal entitled: *A Collaborative Approach to Improving Childhood Nutrition in the Developing World*. He has also been involved in discussions with the Clinton-Hunter Development Initiative, Regional Institutes for African Development, and CropLife America concerning possible agricultural development projects in Africa.

Dr. Jordan is involved in research projects in cooperation with Drs. Shew (Department of Plant Pathology) and Brandenburg (Department of Entomology) to develop appropriate Integrated Pest management programs for peanut. He also cooperates with Dr. Alan York and previously Drs. John Wilcut (Department of Crop Science) and Monks (formerly in the Department of Horticulture) addressing weed management issues in North Carolina. Dr. Jordan works with research colleagues at Texas A&M University, Texas Tech University, University of Florida, University of Georgia, and Virginia Tech on projects associated with weed management and agronomic production of peanut. He also works closely with Drs. Isleib (Department of Crop Science) and the director of the PVQE (Peanut Variety and Quality Evaluation) program at Virginia Tech evaluating promising varieties and experimental lines. Dr. Jordan

has been involved in research addressing potential for production of cotton and peanut grown under sub-surface drip irrigation with Dr. Edmisten (Department of Crop Science) and Grabow (Department of Biological and Agricultural Engineering). He also works with Dr. Spears on seed quality issues associated with peanut. Dr. Jordan is involved with Dr. Gary Roberson (Department of Biological and Agricultural Engineering) evaluating modifications of harvest equipment and utilization of guidance systems for improved digging precision. Dr. Jordan is has also agreed to support a project through the Conservation Technology Information Center entitled *Sustainable Conservation Agriculture Systems for Southeastern U.S. to Improve Water Quality*. He also works with Drs. Russell Nuti and Wilson Faircloth at USDA's National Peanut Research Laboratory on projects associated with irrigation, furrow diking, plant growth regulation, and peanut biodiesel production.

EXTENSION AND ENGAGEMENT WITH CONSTITUENCIES OUTSIDE THE UNIVERSITY

Applicable Accomplishments

Extension videos

Assisted in developing a training video associated with Farmer Field Schools in Ghana, West Africa. This outreach effort was associated with the USAID Peanut CRSP project NCS 19.

Extension Publications and Revisions (88)

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Jordan, D. 1996. Shaving herbicide rates in dry-seeded rice. Weed management strategies. *Rice Farming* March, 1996. 30:(3) 6-7.

Delta Farm Press

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Down to Earth Magazine

Barrentine, J. L., D. L. Grant, C. B. Guy, Jr., R. S. Helms, J. E. Street, **D. L. Jordan**, A. D. Klosterboer, D.E. Sanders, and M. P. Braverman. 1995. Grandstand R: A versatile postemergence broadleaf herbicide in rice. *Down to Earth*. 50(2):26-31.

North Carolina Peanut Growers Report

Jordan, D. L. 1998. The North Carolina Cooperative Extension Service and the peanut industry. p. 16 in R. R. Sutter and B. Owens, eds. *North Carolina Peanut Growers Report 1998*. Farm Press Companies. Carol Stream, IL.

Radio and Television

WNCT – Channel 7 (1997-1999). Provided updates on peanut-related industry on the Farm Program twice annually.

Southern Farm Network – Radio columns on pertinent pest management and production issues (2003-2005) for a total of 10 segments each year and occasional interviews (2006-2008).

Program Impacts

Revises two chapters (peanut production and weed management) in *Peanut Information* (AG-331) annually and takes responsibility for obtaining funds, following through on the logistics of publishing, and delivers *Peanut Information* to Cooperative Extension Field faculty and other clientele. *Peanut Information* is the primary source of research-based information used by peanut growers and their advisors in North Carolina.

Revises sections in the North Carolina Agricultural Chemicals Manual related to peanut fertility, weed management in peanut and kenaf, and plant growth regulator use in peanut.

Collaborates with other Cooperative Extension Specialist at North Carolina State University to develop educational resources for peanut growers and associated clientele.

Coordinates in-service training sessions for Cooperative Extension Field Faculty with peanut responsibilities.

Presents updates and recommendations relative to peanut production and pest management at county production meetings (approximately 14 meetings each year.) These meetings are organized by Cooperative Extension Field Faculty and include growers, consultants, agribusiness, government officials, and other related clientele with interest in peanut. Approximately half of the peanut growers in North Carolina attend these meetings.

Facilitates and supports Cooperative Extension Field Faculty participation at the annual meeting of the American Peanut Research and Education Society by arranging financial support associated with travel and accommodations and by assisting with preparation of slides for oral presentations and writing and submitting abstracts for the annual proceedings.

Garners financial support for Cooperative Extension Field Faculty to implement various educational programs at the county level.

Assists Cooperative Extension Field Faculty in solving problems associated with production and pest management issues in peanut through field visits, e-mail, telephone conversations, and newsletters.

Assists Cooperative Extension Field Faculty with planning, implementation, and completion of on-farm tests and with interpretation of results from on-farm tests. Results from on-farm test are used to revise and improve Cooperative Extension recommendations.

Conducts a well-rounded applied field research program that is used to develop recommendations for peanut growers and their advisors. Recommendations are delivered through e-mail, newsletters, Cooperative Extension publications, direct contact, and the web.

Serves as a speaker at Cooperative Extension field days and plot tours such as the Northeast Ag Expo, the Annual North Carolina Peanut Field Day, and local county tours.

Presents information on weed management strategies and peanut production and pest management at numerous meetings in the *Certified Crop Advisory* program.

Received funding for a seed grant to assist in Cooperative Extension Field Faculty training relative to herbicide resistance in North Carolina crops. The training session included weed identification, herbicide symptomology and problem solving, and discussions on development, identification, and management of herbicide resistant weeds in the region. This session was developed in cooperation with Alan York, Rob Richardson, Loren Fisher, Katie Jennings, David Monks, and John Wilcut.

TECHNOLOGICAL AND MANAGERIAL INNOVATION

Not applicable

SERVICE TO THE UNIVERSITY AND PROFESSIONAL SOCIETIES

Beltwide Cotton Conference

Moderator, Weed Science Research Conference, New Orleans, LA (1993).

Northeast AG Expo

Involved in planning and establishing peanut research and demonstration trials during 1997 (Chowan County), 2000 (Gates County), 2003 (Chowan County), and 2008 (Chowan County) at the Northeast AG Expo. This extension outreach tour includes participation from 6 counties in Northeastern North Carolina. Assisted with weed identification and herbicide symptomology demonstrations (2007, Currituck County.)

North Carolina Peanut Growers Association

Ex-officio member of the Board of Directors and representative from the North Carolina Cooperative Extension Service. Assisted with presentation of 5000 Pound Club Winners at Awards Luncheon in the spring (1997-2001). He also helped coordinate *Champions Night Out*, the annual event in North Carolina and Virginia honoring top peanut producers. An overview of production and pest management practices used by county production champions in North Carolina was presented at *Champions Night Out* (1997-2007). Dr. Jordan also recognized the top producers and their guests at the annual banquet (1997-2006).

Peanut Variety and Quality Evaluation Committee

Representative of the North Carolina Cooperative Extension Service on this committee that assists in determining the potential for release of cultivars developed cooperatively by Virginia Polytechnic and State

University and North Carolina State University (1996-present).

Weed Science Society of North Carolina

Member (1989-1994, 1996-present)

Annual meetings attended (1996-2006, 2008)

Chair, Klingman Awards Committee (2008)

Chair, Finance Committee (2006-present)

Newsletter Editor (1999-2002)

Chairperson for the 1999 program committee (committee member 1999-2002)

President (1999-2000)

Judge for the Undergraduate Student Essay Contest and poster session (1999-2000)

Vice President (1998)

American Society of Agronomy

Member (1987-present)

Annual meetings attended (1985, 1998, 2001)

Presiding Officer, 2001 Plant Protection and Fertility section (Charlotte, NC)

Symposium moderator at the 1998 annual meeting of the American Society of Agronomy on electronic dissemination of information (Baltimore, MD)

Associate Editor, *Journal of Crop Management* (2006-present)

Associate Editor, *Agronomy Journal* (1999-2001)

Associate Editor, *Journal of Production Agriculture* (1997-1999)

Reviewed 2 articles for *J. Crop Management* (2005-present)

Reviewed 8 articles for *Agronomy Journal* and 4 articles for *Crop Science* (1995-present)

Reviewed 1 article for *J. Natural Resources and Life Sciences Education* (1994-present)

Judge, Extension Publications (2003, 2006)

Southern Weed Science Society

Member (1987-present)

Annual meetings attended (1988-2008)

Elected Representative to the Board of Directors, Weed Science Society of America (2005-2008)

Section Chair and Moderator, 2006 - Educational Aspects of Weed Management

Section Chair and Moderator, 2005 - Weed Management in Agronomic Crops

Section Chair and Moderator, 2002 - Educational and Regulatory Aspects of Weed Management

Section Chair and Moderator, 2001 - Soil and Environmental Aspects of Weed Management

Section Chair and Moderator, 1999 - Ecological and Physiological Aspects of Weed Management

Liaison between Graduate Student Association and Executive Board (1997-1998)

Representative from Academia to the Board of Directors (1997-1999)

Moderator, Weed Management in Agronomic Crops Section (1997)

Symposia organized:

Issues Associated with Formal Instruction of Weed Science (2006)

Reduced Tillage Systems (2005)

Peanut Weed Management (2005)

Cotton Weed Management (2005)

Weed Management in Organic Systems (2004)

Weed Science Outside the Loop: Just What Do They Think (2000)

Outstanding Young Weed Scientist Committee (2008-present)

Student Contest Committee (2006)
Local Arrangements Committee (2005 Annual Meeting)
Sustaining Membership Committee (2002-2005)
Sales Coordination Committee (2002-2004)
Distinguished Service Award Committee (2002-2005)
Weed Resistance committee (1995-2000)
Placement Committee Chair (1996-2000)
Judge for Student Paper or Poster Contests (1994, 1995, 1998, 1999, 2000)
Secretary (1998) and Chair (1999) of the Herbicide Resistant Weed Committee
Terminology Committee (1995-1997)
Representative to the North American Herbicide Resistance Working Group (NAHRWG) (1998)

Weed Science Society of America

Member (1987-present)
Annual meetings attended (1992-1996; 2005-2008)
Extension Committee (2008-present)
Liaison between WSSA BOD and Sustaining Member, Integrated Weed Management, and Abstract Committees (2005-2008)
Chair, Integrated Weed Management (2008)
Member, Website Committee (2005-2007)
Co-Chair, Teaching and Extension Section, (2007)
Vice-Chair, Teaching and Extension Section (2006)
Co-Chair, Weed Management in Agronomic Crops (2005)
Vice-Chair, Weed Management in Agronomic Crops (2004)
Associate Editor, *Weed Technology* (2002-2004)
Placement Committee (1997-2001)
Outstanding Graduate Student Award Committee (1997-2001)
Moderator, Weed Management in Agronomic Crops (1997)
Co-Chair, Weed Management in Agronomic Crops (1996)
Vice-Chair, Weed Management in Agronomic Crops (1995)
Computer Applications Committee (2005-2006)
Reviewed 76 articles for *Weed Technology* and 11 articles for *Weed Science* (1993-present)

International Weed Science Society

Member (1997-present)
Annual meetings attended (none)
Topic Co-organizer, Integrated Weed Management, 5th International Weed Control Congress, International Weed Science Society (2008), Vancouver, BC Canada

American Society of Horticultural Science

Reviewed 2 article for *HortScience* (2003-present)

Applied Engineering in Agriculture

Reviewed 1 article for *J. Applied Engineering in Agriculture* (2001-present)

National Cotton Council

Reviewed 4 manuscripts for *J. Cotton Science* (2001-present)

Annals of Applied Biology

Reviewed 1 manuscript (2006)

Agriculture and Food Chemistry

Reviewed 1 article for *J. of Agriculture and Food Chemistry* (2004-present)

Weed Biology and Management

Reviewed 1 article for *J. Weed Biology and Management* (2004-present)

Pesticide Biochemistry and Physiology

Reviewed 1 article for *Pesticide Biochemistry and Physiology* (1995-present)

Field Crops Research

Reviewed 1 article (2007-present)

American Peanut Research and Education Society

Member (1996-present)

Local Arrangements Committee (2009)

Annual meetings attended (1996-2007)

Nominated Drs. Gene Sullivan (1998), Jack Bailey (2000), and Rick Brandenburg (2002) and Mrs. Betsy Owens (2008) for election as Fellow of the American Peanut Research and Education Society

Nominated Dr. Jay Chapin (2008) for DowAgroSciences Excellence in Extension Award

Finance Committee (2007-2009)

Ad Hoc Committee on Increasing APRES Membership (2006)

Search Committee for Executive Secretary position (2006)

Ad Hoc Committee on Improving APRES Financial State (2004)

Coyt T. Wilson Distinguished Service Award Committee Chair (2006)

Coyt T. Wilson Distinguished Service Award Committee (2004-2005)

Publications Committee (2001-2003)

Appointed to the Board of Directors (2001-2003)

Program Committee for 33rd Annual Meeting, Research Triangle Park, NC (2002)

Local Arrangements Committee Chair (2002)

Ad Hoc Committee on Electronic Publication of *Peanut Science* (2002)

Site Selection Committee (1999-2002)

Associate Editor, *Peanut Science* (1999-2001; 2006-2008)

Program Committee for 30th Annual Meeting, Norfolk, VA (1998)

Nominated for Bailey Award (1999, 2000, 2002)

Judge for the Bailey Award (1998, 2005, 2007)

Moderator: Production Technology III (1998), Production Technology II (2003), Mycotoxins (2005), and Extension Techniques (2006)

Reviewed 15 articles for *Peanut Science* (1996-present)

Dr. Jordan has been involved in the Bayer Extension Program for Excellence at annual meetings of the American Peanut Research and Education Society. Extension Field Faculty from North Carolina and other peanut-producing states present information on their county programs or other topics of interest to the peanut industry. Dr. Jordan has assisted these County Extension Agents in their presentations and preparation of abstracts for the annual Proceedings and has assisted with preparing slides and making travel arrangements. He has successfully encouraged additional Field Faculty to attend the annual meeting and present research-based information developed through his program or relative to pertinent county, regional, or statewide peanut production issues. These activities have aided in professional development of

Cooperative Extension Field Faculty and have increased exposure of Cooperative Extension's impact on the peanut industry in North Carolina and the region. Cooperative Extension Field Faculty include:

2008 – M. Williams, S. Uzzell, R. Rhodes
2007 – R. Harrelson and J. Gaddy
2006 – L. Smith, P. Smith, and M. Williams
2005 – J. Pearce, B. Spivey, and M. Williams
2004 - F. Winslow and C. Tyson
2003 - A. Cochran, A.J. Whitehead, Jr., and B. Simonds
2002 - C. Ellison, M. Rayburn, and S. Uzzell
2001 - P. Smith and L. Smith
2000 - J.M. Williams and J. Pearce
1999 - A.J. Whitehead, Jr. and W.J. Griffin

Virginia-Carolina Peanut Advisory Committee

Member (1996-present)
Annual meetings attended (1997-2005, 2008)
Vice Chair (1999) and Chair (2000)
Secretary (1997)
Extension and Technical Representative (1997-present)

American Peanut Council

Member (1997-present)
Annual meetings attended (1998, 2000)
Provided updates on Virginia-Carolina crop at the Annual Spring meeting (1998, 2000)

Crop Protection Association of North Carolina

Program Committee and organizer of Graduate Student Poster Contest (2007)
Program Chair of 57th Crop Protection School (2005)
 Survey of 2005 participants (46 respondents)
 Has the Crop Protection School outlived its usefulness? (87% stated no)
 How did you consider the 2005 program? (11% excellent; 89% good; 0% fair; 0% poor)
Moderator, Managing Pest Resistance (2005)
Coordinated and moderated the graduate student presentation contest at the annual meeting (2000-2004)
Advisor (2000-2006)
Moderator, Genetically Modified Crops (1998)

Peanut Growers Cooperative Marketing Association

Presents crop updates for North Carolina and other peanut-producing regions at the annual meeting (1997-present)

Advances in Arachis Through Genomics and Biotechnology

Ad-Hoc Committee, (2007-present)

Southern Conservation Tillage Conference for Sustainable Agriculture

Annual meetings attended (1992, 1994, 1998-1999, 2002, 2004-2005)

Program Chair and Local Arrangements Chair, 26th Annual Meeting, June 7-9, 2004, Raleigh, NC. A portion of the 2004 program focused on tillage systems in North Carolina production systems. Dr. Jordan

organized this section and arranged for county agents and farmers from major geographical regions of North Carolina to summarize success and failures with reduced tillage systems. Summaries of these presentations can be found at: <http://www.ag.auburn.edu/aux/nsdl/sctcsa/>.

Steering Committee Chair at the 2004 Meeting

Chaired revision of SERA-IEG 020 (2004), currently titled *Southern Conservation Tillage Systems Conference*

Co-Editor of the 2004 Proceedings

Moderator for two sessions at the 2004 Meeting

Steering Committee Member (2002-2006)

Arkansas Agricultural Pesticide Association

Member (1988-1991)

Annual meetings attended (1988-1991)

Louisiana Plant Protection Association

Member (1993-1996)

Annual meetings attended (1993-1996)

Department of Crop Science, North Carolina State University

Outstanding MS and PhD Award Committee (1997, 2007)

Academic Advisory Committee (2006-present)

Achieve Campaign (2006)

Judged Agronomy Club fair booths (2002, 2003, 2006)

Post-tenure Review Committee (2004-2005)

Co-Chair, Seminar Committee (2001-2003)

Coordinated the Crop Production and Utilization demonstrations, 4-H Club Congress (1998-2006)

Social Committee (member in 1997 and 1998 and Co-chair 2000)

The Peanut Farm Press Profitability Award

Dr. Jordan has served on the advisory board for this program that recognizes efficient growers in North Carolina (2001-present)

J. Leek Associates

Dr. Jordan provides bi-weekly updates on the peanut crop in the Virginia-Carolina Region that are incorporated into a Newsletter for J. Leek Associates' clientele. Dr. Jordan arranged for consulting funds to be directed to the North Carolina Agricultural Foundation for his services (2004-present).

Wake County Public Schools

Dr. Jordan has visited several elementary schools in Wake County to discuss growth of peanut and products produced from peanut.

Farmer's Health Insurance Benefit Team

Dr. Jordan served as a member of the Design Team, Farmer's Health Insurance Benefit Team, East Carolina University AgroMedicine Office

Community Organizations and Activities

Raleigh Civitan Club (2003-2007)

Associate Member, Civitan International (2008-present)

Established and maintains the *Mildred Lewis Jordan Science Scholarship* (1994-present) – Edenton Holmes High School, Edenton, NC and the *Bessie Smith Harrell Science Scholarship* (2007-present) – Perquimans County High School, Hertford, NC

Disaster relief and recovery projects: Armenia, Mozambique, New York, Sri Lanka, Honduras, El Salvador, Gulf Coast of United States, and North Carolina through the North Carolina Baptist Men, North Carolina State Convention, Cary, NC

Member, Forest Hills Baptist Church, involved in youth activities

Invited speaker – Campbell University, Baptist Student Union (2005) and Campus Crusade for Christ (2006); North Carolina State University, Baptist Student Union (2005)

National Geographic Society (1986-present)

Arkansas Alumni Association (1996-present)

North Carolina State University Alumni Association (1996-present)

Human Rights Watch, Amnesty International, Southern Poverty Law Center, ACLU (2008 present)

Assistant Baseball Coach, Fuquay-Varina Athletic Association (1997-1999, 2003)

Indian Trail Hunting Club (1997-present)

Albemarle Hunting Club (2004-present)