

**Name:** Wayne Parrott

**Rank:** Professor

% Salary Budgeted: Instr. 25 Res. 75 Ext. Outreach



**Program Overview:** Research has centered on the development and use of genetic engineering technology for crops, with an emphasis on legumes. Use aspects are focusing on nematode and insect resistance in soybean, acid-soil tolerance in alfalfa, and novel uses for soybean. Basic research is underway into the nature and function of centromeres, with the eventual goal of achieving artificial chromosomes for plant engineering.

**Education:**

- Ph.D. (1985) University of Wisconsin-Madison
- M.S. (1983) University of Wisconsin-Madison
- B.S. (1981) University of Kentucky

**Employment:**

- DEPARTMENT OF CROP & SOIL SCIENCES, The University of Georgia  
**Professor** 1998 - present  
**Associate Professor** 1993- 1998  
**Assistant Professor** 1988 - 1993
- DEPARTMENT OF AGRONOMY, University of Kentucky  
**Research Fellow** 1986 - 1988
- DEPARTMENT OF HORTICULTURE, University of Wisconsin-Madison  
**Research Associate** 1985 - 1986
- DEPARTMENT OF AGRONOMY, University of Wisconsin-Madison  
**Research Assistant** 1981-1985

**Membership in Professional Societies:**

- Crop Science Society of America
- American Soybean Association
- Society for In Vitro Biology
- International Association for Plant Tissue Culture

**Awards**

- 2002 Fellow Crop Science Society of America
- 2004 Study Abroad Director of the Year UGA Office of International Education

**Contributions to Teaching:**

(1) Undergraduate

<i>Course #</i>	<i>Title</i>	<i>Times taught (Sp &amp; Fall)</i>	<i>Avg. # of Students</i>
CRSS 4930	Tropical Agroecology	Every spring (7x)	25
CRSS 4931	Tropical Agroecology Trip	Summers (5x)	12
HONS 1999H	Honors seminar	Spring (3x)	9
GENE 4960	Independent Research	Fall, Spring (3x)	1
BIOL 4960	Independent Research	Fall, Spring (5X)	1
BTEC 3990	Independent Research	Fall, Spring (2X)	1

(2) Graduate			
<i>Course #</i>	<i>Title</i>	<i>Times taught (Sp &amp; Fall)</i>	<i>Avg. # of Students</i>
CRSS 6931	Tropical Agroecology Trip	Summer (1x)	18
CRSS 8100	Advanced Seminar Tech.	Spring (10x)	10
CRSS 8900	Cytogenetics	Fall (3x)	8
CRSS 9990	Teaching practicum	Fall (1x)	2

(3) Service on Graduate Advisory Committees

<i>Degree (MS/Ph.D)</i>	<i>Involvement (member/chair)</i>
PhD (13x)	(11 as member; 2 as chair)
MS (2x)	(Both as chair)

**Contributions to Research and Other Creative Activities:**

No. of books: 0

No. of book chapters: 3

No. of refereed papers/by journal (22 total)

• *Crop Science* 6; *J. Economic Entomology* 1; *In Vitro Plant*, 3; *Molecular Breeding*, 2; *Nature Biotechnology*, 1; *Plant Cell Reports*, 6; *Plant Physiology*, 1; *Theoretical Applied Genetics*, 1; *Trends Plant Science*, 1

No. of proceedings papers: 1

No. of abstracts: 28

No. of Patents/PVPs: 2

Other activities: 3

**Contributions to Extension:**

**Sources of Grants/amounts** (only share to Parrott reported)

Alfalfa Technology Consortium:	\$ 35,000
National Science Foundation	\$1,602,258
Noble Foundation	\$ 120,000
Pioneer	\$ 50,000
UGA Cultivar Development	\$ 45,410
United Soybean Board	\$ 518,522
USDA-NRI	\$ 180,000
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Total:	\$2,551,190

**Contributions to Professional Service:** (committee service to department, college, university, and/or professional societies)

1993-2005	Editorial Board, <i>Plant Cell Reports</i>
1998-2000	Science Editor, <i>Plant Cell Tissue and Organ Culture</i>
2000-2002	Associate Editor, <i>Crop Science</i>

1999	Society for In Vitro Biology- Plant Section Program Chair
2000-2001	C-7 Chair-elect, Crop Science Society of America
2001-2002	C-7 Chair, Crop Science Society of America
2003	Society for In Vitro Biology- Program-wide Co-Chair
2004	Society for In Vitro Biology- World Congress Program-wide Chair
2004	Member of the NSF site review team for a genomics proposal, Blacksburg, VA

2004	Member, review team for the USDA soybean genomics program, Beltsville, MD
2003-2004	Elected to Soybean Genetics Executive Committee
2006-2008	Elected Chair, Plant Biotechnology Section, Society for In Vitro Biology
2006-	Scientific advisor to the International Life Sciences Institute

*Departmental*

1998-2000	Graduate committee
1995-present	Computer Committee and Departmental Web Page development

*Centers*

1996-1999	Advisory Committee, Plant Center
1997-2000	Steering Committee, Center for Latin American and Caribbean Studies
2004 - Present	Appointed by Dean Stokes to serve on the Advisory Board for the Center for Latin American and Caribbean Studies

*College*

1998 - 2000	Cultivar and Germplasm Release Committee
1998 - 2000	Tenure and Promotion
1998 - 1999	D.W. Brooks Faculty Award for Excellence Research Committee
2000 - 2004	Applied Biotechnology Major development
2000 - 2005	Dean's Biotechnology Liaison

*University*

1999 - Present	Biosafety
2003 - 2005	UGA Tenure and Promotion Review Committee
2004	Appointed by Provost Mace to serve on Task Force on Study Abroad Programs
2005 - Present	Chair, Risk Management for Study Abroad

**Goals for the Next Five Years:**

Continue the development of crops engineered with agronomically useful traits. There will be an emphasis placed on ever more complex traits, along with development of the technology necessary to achieve it.