

David S. Wofford

Rank: Professor

Specialization: Genetics and Breeding

Location: Gainesville

Educational Background:

B.S.	1977	Agronomy	Mississippi State University
M.S.	1980	Plant Breeding & Genetics	Mississippi State University
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Ph.D.	1983	Plant Breeding & Genetics	New Mexico State University

Employment:

1983-87	Assistant Professor	Plant Science Department	Univ. of Wyoming
1987-92	Assistant Professor	Agronomy Department	University of Florida
1992-98	Associate Professor	Agronomy Department	University of Florida
1998-present	Professor	Agronomy Department	University of Florida

Current FTE: 70% Teaching / 30% Research

Teaching:

Courses:	AGR 3303	Genetics	Every fall & spring
	AGR 6323	Advanced Plant Breeding	Spring even years

Undergraduate activities: Served as advisor for Agronomy majors and as co-advisor for undergraduate club from 1987 - 1998. Since 1997 have served as coordinator for College of Agriculture minor in Plant Molecular & Cellular Biology.

Graduate activities: Serve as Graduate Coordinator for Agronomy Department since 1998. In this position, I am responsible for overseeing graduate student recruitment, admissions, awarding of state assistantship funds, ensuring that all graduate paperwork is processed in a timely manner, enforcing all departmental and other rules for graduate education, and assisting students and faculty with problems that occur.

Graduate Students: Current (Total)

Ph.D.: 1 (6); Committee Member: 5 (15)

Research:

Conduct genetic and breeding studies on perennial temperate forage crop species. Primary focus has been on selection for adaptation of tall fescue, and pest resistance in alfalfa and white clover. The long-term goals are to release new cultivars which benefit

Florida producers. Two cultivars have been released, a white clover and an alfalfa, with releases of other species anticipated in the near future. Considerable efforts have also been extended in germplasm evaluation and in developing protocols for tissue culture regeneration and genetic transformation of tropical and temperate species. Future thrusts will continue in these same areas with emphasis on cultivar release.

Grants/Contracts/Gifts (last five years): \$218,212

Service to Professional Societies:

- 1989 Chair, Agricultural Sciences Division, Florida Academy of Science
- 1991 Crop Science Scholarship, International Science & Engineering Fair
- 1992 Co-chair and co-editor, Trifolium Conference
- 1993 Chair, Breeders Information Exchange Group, Southern Pasture & Forage Crop Improvement Conference
- 1993-94 Program Chair, Breeders Information Exchange Group, Southern Pasture & Forage Crop Improvement Conference
- 1995-present Crop Science Society of America, Member, Grass Registration Committee

Selected Publications: Career Summary- Books: 1; Chapters: 1; Refereed Articles: 30; Non-refereed Articles: 12; Abstracts: 35.

Koame, C.N., K.H. Quesenberry, D.S. Wofford and R.A. Dunn. 1998. Genetic diversity for root-knot nematode resistance in white clover and related species. *Genetic Resources and Crop Evolution* 45:1-8.

Poerba, Y.S., K.H. Quesenberry, D.S. Wofford and P.L. Pfahler. 1997. Combining ability analysis of in vitro callus formation and plant regeneration in red clover. *Crop Science* 37:1302-1305.

Wofford, D.S. and A. Amaya. 1997. Evaluating white clover for resistance to cylindrocladium root rot. XVIII International Grasslands Congress. Vol 1: 37-38.

Krottje, P.A., D.S. Wofford and K.H. Quesenberry. 1996. Heritability estimates for callus growth and regeneration in desmodium. *Theor. Appl. Genet.* 93:568-573.

Quesenberry, K.H., D.S. Wofford, R.L. Smith, P.A. Krottje and F. Tcacenco. 1996. Production of red clover transgenic for neomycin phosphotransferase II using *Agrobacterium*. *Crop Science* 36:1045-1048.

Diz, D.A., D.S. Wofford and S.C. Schank. 1994. Correlation and path-coefficient analyses of seed yield components in pearl millet X elephantgrass hybrids. *Theor. Appl. Genet.* 89:102-105.