

# Daniel W. Gorbet

**Rank:** Professor

**Specialization:** Plant Breeding and Genetics

**Location:** Marianna

## **Educational Background:**

B.S.	1965	Agricultural Education	Texas A&I University
M.S.	1968	Agronomy	Oklahoma State University
Ph.D.	1971	Crop Science	Oklahoma State University

## **Employment:**

1970-75	Assistant Professor	North Florida REC	University of Florida
1975-84	Associate Professor	North Florida REC	University of Florida
1984-present	Professor	North Florida REC	University of Florida

**Current FTE:** 100% Research

## **Graduate Students: Current (Total)**

PhD.: 1 (3); M.S.: 0 (4); Committee Member: (28); Postdoc/Visiting Scientist: (3)

## **Research:**

Project leader for University of Florida peanut breeding and genetics program, dating back to 1923 which was the first in the USA. Program emphasis is on developing cultivars and germ plasm, conducting genetic studies, developing and evaluating breeding methods, and conducting cooperative research with scientists in other disciplines (i.e., pathology). Emphasis is on yield, grade, quality (oil chemistry, shelf-life, flavor, etc.), and pest resistance (leafspot, *S. rolf sii*, tomato spotted wilt virus, CBR, etc.). Southern Runner (1986) was the first late leafspot resistant cultivar released in the USA and SunOleic 95R (1995) was the world's first high oleic oil chemistry peanut.

## **Extension:**

Coordinate NFREC Annual Peanut Field Day and respond to extension calls. Handle tours for center visitors.

## **International Activities:**

Responsible for a current peanut USDA-CRSP project in Bolivia (Florida and Georgia) and have had considerable international involvement (Bolivia, Argentina, Australia, Zimbabwe, Malawi, South Africa, India, etc.).

**Grants/Contracts/Gifts (last 5 years):** \$750,744

## **Service to Professional Societies:**

1976-80	Asst./Assoc. Editor, Soil and Crop Science Society of Florida
1991-94	Assistant Editor, Crop Science
1991-94	Member and Chair, Peanut Registration Committee for Crop Science (C852)
1987-88	President, American Peanut Research and Education Society, APRES
1978 and 1996	Technical Program Chair, APRES
1991-94	CAST Representative, APRES

**Honors/Awards:**

1999	Professional Excellence Award, University of Florida
1999	USDA Honor Achievement Award
1999	American Society of Agronomy Fellow
1999	APRES Dow-Elanco Research Award
1997	Progressive Farmer's Man-of-the-Year in Florida Agriculture
1997	Florida Peanut Producers Achievement Award for Variety Development
1997	Alabama Peanut Producers Achievement Award for Variety Development
1991	Fellow American Peanut Research and Education Society

**Selected Publications: Career Summary-** Chapters: 3; Refereed Articles: 90; Non-refereed Articles: 167; Extension Articles: 11; Patents/PVPs: 9; Bulletins/Circulars: 9; Abstracts: 140; Web Sites: 1; Invited Lecture, Seminar, Symposium Presentations: 62

Culbreath, A.K., J.W. Todd, D.W. Gorbet, F.M. Shokes and H.R. Pappu. 1997. Field performance of advanced runner- and virginia-type breeding lines during epidemics of TSWV. *Peanut Sci.* 24:123-128.

Gorbet, D.W. and D.A. Knauft. 1997. SunOleic 97R Peanut. UF, IFAS Circular S-400, 7 p.

Gorbet, D.W. and D.A. Knauft. 1997. Registration of SunOleic 95R Peanut. *Crop Sci.* 37:1392.

Jakkula, L.R., D.A. Knauft and D.W. Gorbet. 1997. Inheritance of a shriveled seed trait in peanut. *J. of Heredity* 88:47-51.

Gorbet, D W., T.A. Coffelt and P.J. van der Merwe. 1996. Disease and Insect Resistant Cultivars. *In* Compendium of Peanut Diseases (2nd ed.). Edited by Kokalis-Burelle, D. M. Porter, R. Rodriquez-Kabana, D. H. Smith, and P. Subrahmanyam. APS Press. p. 81-84.

Knauft, D.A., A.J. Norden and D.W. Gorbet. 1986. Peanut. Chapt. 10, pp. 346-384. *In* W. R. Fehr (ed.) Principles of Cultivar Development. Crop Species, Vol. II (761 pages) MacMillan Publ. Co., Inc. New York, NY.