

Name: Dr. Robert N. Carrow



Rank:

% Salary Budgeted: Instr. Res. 100 Ext. Outreach

Program Overview:

1. Turfgrass Water Conservation and Quality (95 % time). Includes:
 - Assisting turf development for drought resistance, poor water quality (salinity), wear, low light stresses.
 - Alternative irrigation water quality and related issues —salinity management, soil fertility and plant nutrition aspects, irrigation water quality.
 - Irrigation design for better water use efficiency –via improved site assessment
 - Irrigation scheduling for drought and salinity management – atmospheric, plant, soil-based means; in-situ and mobile sensor use and protocols
 - Education –development of integrated, in-depth information packages for: BMPs for water conservation, salinity management, soil fertility/plant nutrition
2. Organic Matter Dynamics in the Surface Zone of Golf Greens (5 %).

Education:

B.S.	Michigan State University	Soil Science	June 1968
Ph.D.	Michigan State University	Crop and Soil Science	August 1972

Employment:

Graduate Student	Michigan State University	06/01/68	to	08/14/72
Assistant Professor	University of Massachusetts	08/15/72	to	07/01/76
Assistant Professor	Kansas State University	07/02/76	to	07/01/81
Associate Professor	Kansas State University	07/02/81	to	12/14/84
Associate Professor	University of Georgia	12/15/84	to	06/30/91
Professor	University of Georgia	07/01/91	to	Present

Membership in Professional Societies:

1968 to Present American Society of Agronomy
1975,1977 to Present Crop Science Society of America
1968 to Present Soil Science Society of America
1977 to Present International Turfgrass Society

Awards:

1993-2005 Elected Vice-President of International Turfgrass Research Society by 400 international turf scientists.

2000-2005 Invited to be Co-Editor of ITS Res. Journal.

2002 Invited for 3-month period. Dept. of Primary Industries of QLD to assist in development of the first state supported Turf Program in Australia with the Center for Amenity and Environmental Horticulture, Cleveland, QLD, Australia.

2004 Invited by Dept. of Primary Industries, QLD for 5 week period to present series of train-the-trainers presentations to DPI of Queensland and assess their Turfgrass Program.

2004 Education Materials Awards Program. American Society of Agronomy Certificate of Excellence for development of “Georgia’s Turfgrass www.GeorgiaTurf.com

Nov. 1, 2004. ASA Meetings, Seattle, WA. Waltz, Bohn, Carrow.

2005 Extension Communications Award for American Society of Horticulture “Serving Georgia’s Turfgrass Needs Through Science, Southern Region. On-line Education: www.GeorgiaTurf.com
Waltz, Bohn, Carrow

Contributions to Teaching

Service on Graduate Advisory Committees

Degree (MS/Ph.D)	Involvement (member/chair)
MS—1	MS-Chair (1)
PhD—3	PhD-Chair (1)

Contributions to Research and Other Creative Activities

No. of books. 3

No. of book chapters. 2

No. of refereed papers/by journal. 23

No. of proceedings papers. 4

No. of abstracts. 16

No. of Patents/PVPs.

Other activities. 46 popular articles in international and national publications; contributed to 4 grass releases; developed 2 web sites and co-developed another site; 9 invited international science presentations (5 keynote)

Contributions to Extension. Invited presentations to professional turfgrass manager groups: 49 international/national (4 countries); 78 regional or state (14 states)

Sources of Grants/amounts. \$502,630, private companies

Contributions to Professional Service (committee service to department-5; college-2; university-0; and/or professional societies-2)

Goals for the Next Five Years. Research in mobile sensor technology for spatial precision turfgrass management applications related to salinity control, irrigation scheduling; and cultivation. Write 2 books and revise 2 books.