

Crop Science

The Graduate Program in Crop Science revolves around our vision of being a world leader in Crop Science education and in the generation and application of knowledge required for economically and environmentally sustainable crop systems and products, as well as in developing land management strategies that protect the quality of North Carolina's soil, water and air resources.

Our mission within the Graduate program is to develop future leaders in Crop Science with a focus on improving crop plants and products, devising effective and sustainable crop production systems and effective and sustainable management techniques in both agricultural and urban settings; and dissemination of crop science knowledge for the benefit of users and producers of food, feed, turf, biofuels and fiber in North Carolina, the nation and the world.

The specific program areas in which Graduate education focuses are crop management and physiology, plant breeding and genetics, weed science, alternative crops and pesticide fate and impact on the environment.

Entrance requirements for the Graduate program in Crop Science follow the NC State Graduate School guidelines. A minimum of a 3.0 GPA at the Baccalaureate or master's level is required, although exceptions may be made for master's applicants with a very strong GPA in science classes and/or their final two years, or with substantial post-baccalaureate work experience. Students accepted will typically have a bachelor's or master's degree in crop science, or closely related fields, with strong preparation in the biological and physical sciences.

Financial assistance in the form of a Graduate Assistantship is available for most of the students accepted into the program. However, funding is limited and positions are highly competitive within a major professor's program area. It is recommended that applicants review the department's faculty listing and communicate directly with faculty members who have similar interest to theirs.

Degrees

- Crop Science (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/crop-science/crop-science-mr/>)
- Crop Science (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/crop-science/crop-science-ms/>)
- Crop Science (PhD) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/crop-science/crop-science-phd/>)
- Crop Science (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/crop-science/crop-science-minor/>)

Faculty

Adjunct Professors

Gina Brown-Guedira

Kent O. Burkey

Thomas E. Carter

Miguel S. Castillo

Guy D. Collins

Richard J. Cooper

Ralph E. Dewey

Keith L. Edmisten

Loren Ray Fisher

Major M. Goodman

Candace H. Haigler

Ronnie W. Heiniger

James B. Holland

David L. Jordan

Vasu Kuraparthi

Ramsey S. Lewis

David P. Livingston III

David S. Marshall

Rouf M. Mian

Grady L. Miller

J. Paul Murphy

Robert P. Patterson

Charles H. Peacock

S. Christopher Reberg-Horton

Robert J. Richardson

Thomas W. Ruffy Jr.

Michelle S. Schroeder-Moreno

Randy Wells

Fred H. Yelverton

Wesley J. Everman

Travis W. Gannon

Ramon Gonzalo Leon Gonzalez

Matthew D. Krakowsky

Susana R. Milla-Lewis

Lori J. Unruh Snyder

Charles W. Cahoon

Jeffrey C. Dunne

Benjamin David Fallen

Joseph Lee Gage

Amanda M. Hulse-Kemp

Anna Locke
Angela R. Post
David H. Suchoff
Earl Taliercio
Matthew C. Vann
Rachel A. Vann
Daniel C. Bowman
Daryl T. Bowman
Arthur H. Bruneau
Joseph W. Burton
Harold D. Coble
William K. Collins
Will A. Cope
Frederick T. Corbin
David A. Danehower
James T. Green, Jr.
Harry D. Gross
Robert D. Keys
H. Michael Linker
Raymond C. Long
Jean-Marie Luginbuhl
Gail G. McRae
J. Paul Mueller
Gerald F. Peedin
Rongda Qu
W. David Smith
Janet F. Spears
Harold T. Stalker, Jr.
Gene A. Sullivan
Donald L. Thompson
Jerome B. Weber
Arthur K. Weissinger
P. Randall Weisz
Earl A. Wernsman
A. Douglas Worsham
Johnny C. Wynne

Alan C. York
Thomas R. Sinclair

Research Scholars

Robert E. Austin

Assistant Professors

Amanda Avila Cardoso

Qiyu Zhou