

Dr. Edward Brown

Assistant Professor of Agronomy

Curriculum Vitae

Contact Information:

College of Agriculture

Arkansas State University

P.O. Box 1080, State University, AR 72467

870-972-3476

Professional Preparation:

University of Arkansas	Agronomy	B.S., 1980
University of Arkansas	Agronomy	M.S., 1982
University of Missouri	Plant Breeding & Genetics	Ph.D., 1986

Appointments:

Assistant Professor of Agronomy Arkansas State Univ. 2020-present

Instructor of Agronomy Arkansas State Univ. 2018-2019

Courses Taught at Arkansas State University:

Introduction to Plant Science

Crop Production

Experimental Designs

Plant Nutrition (grad. and undergrad)

Plant Growth and Development (grad. and undergrad)

Plant Disease Management

Soil and Crop Production (grad. and undergrad)

Weeds and Weed Control

Pasture and Forage Crops

Plant Breeding

Synergistic Activities:

Active Member-American Society of Agronomy

Active Member-Crop Science Society of America

Active Member-Arkansas Certified Crop Advisors Committee

Active Member-Collegiate FFA

Research Activities:

Current research activities focus on the biology of crop pathogenic fungi and cultural methods to improve crop yields and quality in various cropping ecosystems.

Technical Output:

Peer-reviewed scientific publications and plant variety patents: 24

Textbook: 1

Conference presentations, workshops, field days: numerous

Selected Scientific Publications:

Brown, E.A., Caviness, C.E., Brown, D.A., 1985. Response of selected soybean cultivars to soil moisture deficit. *Agronomy Journal*. 77:274-278.

Brown, E.A. Minor, H.C., Calvert, O.H., 1987. A soybean genotype resistant to *Phomopsis* seed decay. *Crop Science*, 27:895-898.

Minor, H.C., Brown, E.A., Zimmerman, M.S. 1995. Developing soybean varieties with genetic resistance to *Phomopsis* spp. *Journal of American Oil Chemists Society*. 72:1431-1434.

Minor, H.C., Brown, E.A., Doupnik, B.L., Elmore, R.W., Zimmerman, M.S. (1995). Registration of *Phomopsis* seed decay resistant germplasm MO PSD-0259. *Crop Science* 33:1105.

Liu, K., Orthoefer, F.T., Brown, E.A., 1995. Association of seed size with genotypic variation in the chemical constituents of soybeans. *Journal of the American Oil Chemists Society* 72:189-192.

Hale, B., Brown, E., and Wijeratne, A. (2023) An updated assessment of the soybean-*Phytophthora sojae* pathosystem. *Journal of Plant Pathology*. Accepted.

Textbooks:

Plant Science: An Introduction to Growth, Development and Production of Agronomic and Horticultural Crops. Edward Alan Brown, author. Kendall-Hunt Publishing Co.