

Scott A. Nolte

Assistant Professor and State Extension Weed Specialist
Texas A&M AgriLife Extension, College Station, TX
scott.nolte@tamu.edu

Education

2009 Ph.D. Weed Science/Biotechnology, Southern Illinois University
2001 M.S. Weed Science, Southern Illinois University
1999 B.S. Plant and Soil Science, Southern Illinois University

Professional Experience

2017 – present Assistant Professor and State Extension Weed Specialist, Texas A&M AgriLife Extension, College Station, TX
2015 – 2017 Technology Development Manager, Monsanto, St. Louis, MO
2013 – 2015 Field Agronomy Lead, Regulatory Sciences, Monsanto, St. Louis, MO
2009 – 2013 Research Agronomist, Regulatory Sciences, Monsanto, St. Louis, MO
2005 – 2009 Facility Manager, Vine Church, Carbondale, IL
2001 – 2005 Researcher I, Southern Illinois University, Carbondale, IL

Program Overview

My goal is to provide statewide leadership in effective, profitable, and sustainable integrated weed management in row crops, pastures, home lawns, golf courses, and sports fields in Texas. Based on my knowledge and findings from applied research, in concert with the work of colleagues in this and other disciplines the timely dissemination of this information through presentations, publications, interviews, and the internet allows Texans to make informed weed management decisions.

Significant 5 year Accomplishment

Worked cross-functionally with Monsanto Product Management, Marketing, Sales, Regulatory, and Technology organizations to develop and support the launch of Roundup Ready 2 Xtend soybeans, emerging traits, and technology to be utilized within the soybean agronomic system. Collaborated with Academic partners to conduct research and support the launch and proper stewardship of new soybean traits and chemistry. Developed systems based research to help promote and drive adoption of good integrated weed management programs that are economically sound.

Refereed Articles

Nolte, S.A., B.G. Young, L.T. Tolley, D.J. Gibson, J.M. Young, D.A. Lightfoot. 2017. Glufosinate absorption, translocation, and metabolic fingerprint effects in *gdhA*-transformed tobacco. *Crop Sci.* 57:350-364.

Lightfoot D.A., R. Mungur, R. Ameziane, **S.A. Nolte**, L. Long, K. Bernhard, A. Colter, K. Jones, M.J. Iqbal, E. Varsa, and B. Young. 2007. Improved drought tolerance of transgenic *Zea mays* plants that express the glutamate dehydrogenase gene (*gdhA*) of *E. coli*. *Euphytica*. 156:103-116.

Walters, S.A., B.G. Young, **S.A. Nolte**. 2007. Cover crop and pre-emergence herbicide combinations in no-tillage fresh market cucumber production. *J. Sust. Agric.* 30:5-19.

Walters, S.A., **S.A. Nolte**, and B.G. Young. 2005. Influence of winter rye and preemergence herbicides on weed control in no-tillage zucchini squash production. *Hort Technol.* 15:238-243.

Nolte, S.A., B.G. Young, R. Mungur and D.A. Lightfoot. 2004. The glutamate dehydrogenase gene *gdhA* increased the resistance of tobacco to glufosinate. *Weed Res.* 44:335-339.

Walters, S.A., **S.A. Nolte**, J.L. Matthews, and B.G. Young. 2004. Weed Control in no-tillage cucumber production. *HortSci.* 39:746-747.

Nolte, S.A. and B.G. Young. 2002. Efficacy and economic return on investment for conventional and herbicide-resistant corn (*Zea mays*). *Weed Technol.* 16:371:378.

Nolte, S.A. and B.G. Young. 2002. Efficacy and economic return on investment for conventional and herbicide-resistant soybean (*Glycine max*). *Weed Technol.* 16:388-395.

Professional Organizations

Weed Science Society of America, WSSA
North Central Weed Science Society, NCWSS
Southern Weed Science Society, SWSS