

Charles V. Schwab

Professor  
Extension Safety Specialist

220 Industrial Education II  
515-294-4131  
cvschwab@iastate.edu  
www.stir.iastate.edu

Education  
Ph.D. Agricultural Engineering, 1989  
University of Kentucky

M.S. Agricultural Engineering, 1982  
University of Kentucky

B.S. Agricultural Engineering, 1979  
University of Kentucky

Honors and Awards  
I-CASH Agricultural Safety Hall of Fame, 2004  
Meritorious Service Award, ISU Extension, 2002  
Superior Engineering Extension Award, College of  
Engineering, 2002

Blue Ribbon for ASAE Educational Aids  
Competition (13 total), 2005, 2002, 2001, 1996,  
1995, 1994, 1993 1992, and 1991

Agricultural Communicators in Education Awards  
(4 total), 2003, 2002, 2001, and 1999

Young Engineer of the Year, IA Section of ASAE  
1996-97

Iowa State University Extension Achievement  
Award for the Safe Farm Program, 1993

Recent Publications  
Freeman, S. A., C. V. Schwab, and J. L. P. Judge.  
2006. An Investigation of Three Physical Parameters  
of PTO Entanglements. ASAE Journal Agricultural  
Safety and Health 13(3):191-197.

Schwab, C. V., L. L. Miller, and L. M. Graham.  
2006. Tips for communicating agricultural safety  
to children. Journal of Extension 44(3).

Schwab, C. V. 2005. Executive editor and editorial  
coordinator. Progressive Agriculture Safety Day  
TM Topics and Activity Manual 2006. Progressive  
Agriculture Foundation, Birmingham, AL, 35209.  
477 pages.

Schwab, C. V. 2005. Executive editor and editorial  
coordinator. Progressive Agriculture Safety Day  
TM Planning Manual 2006. Progressive Agriculture  
Foundation, Birmingham, AL, 35209. 151 pages.

Schwab, C. V., S. Burgus, and Colleen Jolly. 2004.  
Rhythm of the Seasons Video Companion. Iowa  
State University Extension publication Pm-1986.  
ISU University Extension, Ames, IA 50011-3080.

Freeman, S. A., C. V. Schwab, and T. Pollard. 2003.  
Assessment of Iowa farmers' perceptions about  
auger safety. ASAE Journal Agricultural Safety  
and Health 9(1):61-74.

Schwab, C. V., S. A. Freeman, and T. Pollard. 2000.  
Assessment of the condition of Iowa augers and  
auger-related injuries and farmers' perceptions  
about auger-related injuries. ASAE Journal  
Agricultural Safety and Health 6(2): 117-129.



### Teaching

Dr. Schwab teaches ASM 415 capstone I and TSM 416 capstone II. He also mentors future agricultural leaders as an advisor of the Epsilon Pi Tau.

### Extension

As the extension safety specialist for the state of Iowa, Dr. Schwab provides leadership for Safe Farm, Iowa State University (ISU) Extension's program helping to make Iowa farms a safer place to work and live. The activities of the ISU Extension Safe Farm program are directed toward the following four major objectives: (1) Increasing farm safety awareness to encourage farmers to adopt safe farming practices, (2) Reducing the number of farm-related injuries and fatalities, (3) Enhancing the efficiency of ISU Extension to provide farm safety programming, and (4) Providing leadership and expertise for the development of farm safety programs. Dr. Schwab also cooperates with the Progressive Farmer's farm safety day camp program providing educational activities to over 50,000 youth and is the ISU Extension's lead coordinator for emergency preparedness.

### Research

Dr. Schwab conducts research projects concerning agricultural safety and health issues. His research includes efforts in the area of granular mechanics safety, injury and fatality identification and analysis, and safety education and intervention methods. Current projects include reviewing the effectiveness of web-based delivery of tractor certification educational programming, paraprofessionals' perceptions of agricultural risks, and the magnitudes and characteristics of grain coefficient of friction on denim.

### Other Professional Activities

Dr. Schwab serves on several multi-state and interdisciplinary teams, committees, boards, and organizations that promote injury prevention and foster emergency preparedness. He is active with the Extension Disaster Education Network, Iowa Strategic Highway Safety Management System, Iowa Ingestion Pathway Plan for nuclear power station radiological emergency response, National Institute for Farm Safety Board of Directors, and Iowa Farm Safety Council Board of Directors. He is also an active member of ASAE, ASEE, ASSE, and NIFS.