

## **Curriculum Vita**

Douglas M. Kingman, Ph.D.

### **Education**

Ph.D., Agricultural Systems Management, 2002, Purdue University, West Lafayette, Indiana

M.S., Agricultural Systems Management, 1999, Purdue University, West Lafayette, Indiana

M.Ed., Agricultural Education, 1998, Texas A&M University, College Station, Texas

B.S., Agricultural Systems Management, 1991, Texas A&M University, College Station, Texas

### **Professional Experience**

Instructional Associate Professor of Agricultural Systems Management, Department of Biological and Agricultural Engineering, Texas A&M University (2015-present)

Associate Professor, Department of Agricultural and Industrial Sciences, Sam Houston State University (2009-2014)

Assistant Professor, Department of Agricultural and Industrial Sciences, Sam Houston State University (2006-2009)

Independent Agricultural and Industrial Safety Consultant, Expert Witness (1998-present)

Visiting Program Specialist, Texas AgriLife Extension Service, Biological and Agricultural Engineering Department, Texas A&M University (2008-2009)

Assistant Professor, Department of Agriculture, Illinois State University (2001-2005)

Safety Training Instructor, Purdue University, West Lafayette, Indiana (1998-2001)

Research Assistant, Department of Agricultural and Biological Engineering, Purdue University, West Lafayette, Indiana (1998-2001)

Student Technician, Instructional Materials Service, Department of Agricultural Education, Texas A&M University, College Station, Texas (1997-98)

Engineering Technician, USDA/ARS Aerial Application Research Unit, College Station, Texas (1997-98)

Maintenance Manager, Camp Cooley Ranch, Ltd., Franklin, Texas (1994-97)

Research Technician, USDA/ARS Aerial Application Research Unit, College Station, Texas (1993-94)

Irrigation Equipment Sales, Design, Installation, ATS Irrigation, Inc., Brenham, Texas (1992-93)

### **Research**

#### *Refereed Publications*

Yildiz, Faruk. D.M. Kingman, and J.M. Muller. 2013. Renewable Energy Workshops to Promote STEM Education in Rural Schools. *Technology Interface International Journal*.

Kingman, D.M., J.E. Muller, and K. Nelson. 2007. Prototype Engulfment Rescue Tube Testing. *Journal of Agricultural Systems, Technology, and Education*. Vol. 22.

- Rhykerd, R.L., K.W. Tudor, B.R. Wiegand, D.M. Kingman, and D.G. Morrish. 2006. Enhancing experiential learning through a hands-on crop production and marketing contest. *NACTA Journal* 50(4).
- Kingman, D.M. and W.E. Field. 2005. Using fault tree analysis to identify contributing factors to engulfment in flowing grain in on-farm grain bins. *Journal of Agricultural Safety and Health*. American Society of Agricultural Engineers. Vol. 11(4).
- Kingman, D.M., A.M. Yoder, N.S. Hodge, R. Ortega, and W.E. Field. 2005. Utilizing expert panels in agricultural safety and health research. *Journal of Agricultural Safety and Health*. American Society of Agricultural Engineers. Vol. 11(1).
- Kingman, D.M., A. Spaulding, and W.E. Field. 2004. Predicting the potential of engulfment utilizing an on-farm grain storage hazard assessment tool. *Journal of Agricultural Safety and Health*. American Society of Agricultural Engineers. Vol. 10(4).
- Kingman, D.M., G.R. Deboy and W.E. Field. 2003. Contributing factors to engulfments in on-farm grain storage bins: 1980 through 2001. *Journal of Agromedicine*. Vol. 9(1).
- Kingman, D.M., W.E. Field and D.E. Maier. 2001. Summary of fatal entrapments in on-farm grain storage bins, 1966-1998. *Journal of Agricultural Safety and Health*. American Society of Agricultural Engineers. Vol. 7(3).

#### *Research Funding*

- \$680,000 from USDA to Texas AgriLife Extension Service for Texas AgrAbility Project to serve disabled farmers and ranchers (2009 thru 2013).
- \$720,000 from USDA to Texas AgriLife Extension Service for Texas AgrAbility Project, Sam Houston State University subcontract award receives \$168,000 to serve disabled farmers and ranchers (2009 thru 2013).
- \$7,500 from the Parten Foundation for bio-diesel fuel research and assessment of power output from vegetable oils (2007, 2010).
- \$15,000 from Entergy, Inc. for H.S. science teacher workshops. Kingman, D. and Yildiz, F.
- \$68,000 from Hewlett Packard to establish the HP Agriculture Technology Learning Laboratory that consists of 25 laptops and ancillary equipment (2007).
- \$5,000 in-kind contribution (JD 4520 tractor) from Paben Farms, Inc. for support of the SHSU bio-diesel research initiative: Output of selected alternative bio-diesel fuels (2006).
- \$1,000,000 from the U.S. Department of Energy for wind energy research and curriculum development at Illinois State University (2005).
- \$500,000 from the Illinois Clean Energy Community Foundation for the installation of a Vestas NM82 Wind Turbine Generator at the ISU farm (2004).
- \$4,638 from John Deere Company, Crop Systems Research for a project to identify the opinions of customers who own and operate John Deere Auto Trac™ Self-Steering Systems on their tractors, combines, or applicators (2004) .
- \$135,000 from the National Institute for Occupational Safety and Health through the Great Lakes Center for Agricultural Safety and Health over two years to field test the Farm Grain Hazard Assessment Tool (FGHAT) with 100 Illinois farmers and 25 commercial

facility operators. In addition, a web based version of the FGAT will be developed and pilot tested with Illinois farmers (2003).

\$40,000 from the Illinois Clean Energy Community Foundation for the installation of a 82m tall meteorological tower at the ISU farm (2003).

\$65,000 in-kind contribution from NEG-Micon, an Illinois-based wind turbine manufacturer that served as the contractor in erecting the meteorological tower with a total project cost of about \$105,000 (2003).

\$13,437 C-FAR/ISU Departmental Competitive Grant to measure and evaluate the wind-regime at the Illinois State University Farm at Lexington, Illinois (2003).

\$24,445 C-FAR/ISU Departmental Competitive Grant to design and field-test a containment system (Liberty Tube™, provisional patent pending) to assist rescue workers during the extrication of a victim who is partially engulfed in grain (2002).

\$5,000 Illinois State University Research Grant to construct and field-test a containment system to assist rescue workers during the extrication of a victim who is partially engulfed in grain (2002).

\$25,000 NIOSH grant through the Midwest Center for Agricultural Disease and Injury Research, Education and Prevention to address the problem of flowing grain entrapments in on-farm grain structures by using a systems approach to develop an assessment tool at Purdue University (1999).

### **Awards and Honors**

Saucier, P. R., McKim, B. R., Muller, J. E., & Kingman, D. M. Assessing performance and consequence competence in a technology-based professional development for agricultural science teachers: An evaluation of the Lincoln Electric Welding Technology Workshop. Paper presented at the 30th Annual Conference for the Association Career and Technical Education Research, Atlanta, GA (2012)

American Society of Agricultural and Biological Engineers. ASABE Blue Ribbon Award. Educational Aids Competition. RainWater Harvesting: System Planning. (2011)

### **Certification and License**

Certified Safety Manager (CSM) National Association of Safety Professionals (NASP)

Amateur Radio Operator (Call sign: KE5HCI) Federal Communications Commission (FCC)

### **Service and Memberships**

Advisor: Agricultural Systems Management Club at Texas A&M University (2015-present)

Advisor: Aggie Pullers Club at Texas A&M University (2015-present)

American Society of Agricultural and Biological Engineers (ASABE) (1990-present)

International Society for Agricultural Safety and Health (ISASH) (2005-present)

Superintendent Houston Livestock Show and Rodeo (HLSR) (2005-present)

- Ag Mechanics Project Show
- Tractor Restoration Show
- FFA Tractor Technician Contest CDE

**Other Interests**

Twelve Baseball Academy Team Manager (2013-present)

City of College Station Parks and Recreation Board (2012-2013)

Little League Baseball College Station, Texas (Board of Directors, Coach, 2012-13)