

## **Kraig Roozeboom**

Kansas State University, Department of Agronomy,  
Throckmorton Plant Sciences Center, 1712 Claflin Rd., Manhattan, KS 66506  
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### **Education**

Ph.D. 2006. Kansas State University, Manhattan, Kansas. Agronomy – Crop Ecology

M.S. 1990. Iowa State University, Ames, Iowa. Agronomy – Crop Prod. and Phys.

B.A. 1985. Dordt College, Sioux Center, Iowa. Agriculture and Agri-Business

### **Professional Experience**

6/06-present: Assistant/Associate/Professor, Cropping Systems,  
Department of Agronomy, Kansas State University

7/90-6/06: Agronomist – Crop Performance Test Coordinator,  
Department of Agronomy, Kansas State University

6/85-6/90: Research Associate, Department of Agronomy, Iowa State University

### **Memberships**

American Society of Agronomy

Crop Science Society of America

Soil Science Society of America

North American Colleges and Teachers of Agriculture

### **Awards**

ASA Extension Excellence Award for publications greater than 16 pages for Diagnosing  
Corn Production Problems in Kansas. Kraig L. Roozeboom, Dorivar Ruiz Diaz, Douglas  
J. Jardine, R. Jeff Whitworth, and Curtis Thompson

A4 Extension Education Division of American Society of Agronomy poster award, 2006

Ag Industry Competitiveness Award with J. Shroyer, R. Bowden, R. Lamond, H.L. Brooks,  
and J. Pierzynski for poster "Virtual Wheat Field Day" at the K-State Research and  
Extension Annual Conference, 1999

### **Research and Extension Grant Awards**

National Sources: \$3,300,177; \$398,664 allocated to Roozeboom

State and Regional Sources: \$1,489,909; \$473,941 allocated to Roozeboom

Industry Sources: \$4,813,808; \$2,999,158 allocated to Roozeboom

### **Extension/Outreach Activity Summary, Since 2006**

262 Extension and training meetings with cumulative attendance of roughly 14,910 and an  
average overall quality score of 4.7 on a 1 to 5 scale as rated by participants

300 Media releases; electronic newsletters, radio/TV interviews, and news releases

Author or co-author for 23 Extension publications

### **Selected Service Activities**

CSSA Board of Directors, 2013 – 2015

Technical Editor for Crop Management, 2010-2014, CF&T Man., 2015

CSSA C3-Crop Ecology and Management Session Chair, 2010-2011

## Graduate Advising

Completed eight M.S. degree graduates: 2008, 2010, 2013, 2015, and 2016

Completed one Ph.D. graduate: 2015

Graduate advisory committee member for 16 M.S. and 7 Ph.D. graduate students

## Teaching Activities

AGRON 360, Crop Growth and Development, Since Fall 2013

AGRON 602, Agronomy Capstone Experience – Ethics, Since Spring 2013

AGRON 640, Cropping Systems, Since Fall 2011

Advising 13 undergraduate students

## Publication Summary

Refereed Journal Articles	27
Experiment Station Reports of Progress	123
Extension	23
Professional Meeting Abstracts	84

## Recent Refereed Publications

- Roozeboom, K.L., D. Wang, A.R. McGowan, J.L. Prophet, S.A. Staggenborg, and C.W. Rice. 2018. Long-term biomass and potential ethanol yields of annual and perennial biofuel crops. *Agron. J.* 110:1–10. doi:10.2134/agronj2018.03.0172
- Xu, Y., M. Zhang, K. Roozeboom, and D. Wang. 2018. Integrated bioethanol production to boost low-concentrated cellulosic ethanol without sacrificing ethanol yield. *Bioresour. Technol.* 250:299-305. <https://doi.org/10.1016/j.biortech.2017.11.056>
- Holman, J., K. Arnet, J. Dille, S. Maxwell, A. Obour, T. Roberts, K. Roozeboom, and A. Schlegel. 2018. Can cover or forage crops replace fallow in the semiarid central Great Plains? *Crop Sci.* 58:1–13. doi: 10.2135/cropsci2017.05.0324
- Fontes, G. P., P. J. Tomlinson, K. L. Roozeboom, and D. A. Ruiz Diaz. 2017. Grain sorghum response to nitrogen fertilizer following cover crops. *Agron. J.* 109:2723-2737. doi:10.2134/agronj2017.03.0180
- Adee E., K. Roozeboom, G.R. Balboa, A. Schlegel, and I.A. Ciampitti. 2016. Drought-tolerant corn hybrids yield more in drought-stressed environments with no penalty in non-stressed environments. *Front. Plant Sci.* 7:1534. doi: 10.3389/fpls.2016.01534
- Yu, X., X. Li, T. Guo, C. Zhu, Y. Wu, S.E. Mitchell, K.L. Roozeboom, D. Wang, M.L. Wang, G.A. Pederson, T.T. Tesso, P.S. Schnable, R. Bernardo, and J. Yu. 2016. Genomic prediction contributing to a promising global strategy to turbocharge genebanks. *Nature Plants.* Article number: 16150. doi:10.1038/nplants.2016.150.

## Recent Extension Publications

- Stamm, Michael, Roozeboom, Kraig, and Johnathon Holman. 2013. Harvest Management of Canola. MF3092. Agricultural Experiment Station and Cooperative Extension Service, Kansas State University, Manhattan, KS.
- Roozeboom, Kraig, Dorivar Ruiz Diaz, Doug Jardine, R. Jeff Whitworth, and Curtis Thompson. 2012. Diagnosing Corn Production Problems in Kansas. S-54. Cooperative Extension Service, Kansas State University, Manhattan, KS.
- Roozeboom, Kraig, John Holman, and Josh Jennings. 2012. Cropping Systems and Cover Crops *In* Efficient Crop Water Utilization in Kansas. MF3066. Cooperative Extension Service, Kansas State University, Manhattan, KS.