

Refereed Publications

- Hennessy, H., B.A. Babcock, and O. Rubin. "Greenhouse Gas Impacts of Ethanol from Iowa Corn: Life Cycle Assessment versus System Wide Approach." *Biomass and Bioenergy*, 10.1016/j.biombioe.2010.01.037
- Hennessy, H., and B.A. Babcock. "Impacts of Ethanol on Planted Acreage in Market Equilibrium." *American Journal of Agricultural Economics*, in press.
- Hayes, D., B. Babcock, J. Fabiosa, S. Tokgoz, A. Elobeid, T-H Yu, F. Dong, C. Hart, E. Chavez, S. Pan, M. Carriquiry, and J. Dumortier. "Biofuels: Potential Production Capacity, Effects on Grain and Livestock Sectors, and Implications for Food Prices and Consumers." *Journal of Agricultural and Applied Economics*, vol 41 (2009): 465-491.
- Langinier, Corinne and B.A. Babcock. "Agricultural Production Clubs: Viability and Welfare Implications," *Journal of Agricultural & Food Industrial Organization*: Vol. 6 (2008): Issue. 1, Article 10.
- Paulson, N.D, and B.A. Babcock. "Get a GRIP: Should Area Revenue Coverage Be Offered Through the Farm Bill or as a Crop Insurance Program?" *Journal of Agricultural and Resource Economics*, 33(2008):137-153.
- Tokgoz, Hayes, A. Elobeid, J. Fabiosa, D. J. Hayes, B.A. Babcock, T. Yu, F. Dong, and C.E. Hart. "Bottlenecks, Drought, and Oil Price Spikes: Impact on U.S. Ethanol and Agricultural Sectors." *Review of Agricultural Economics*, 30(2008):604-622.
- Babcock, B.A. "Distributional Implications of U.S. Ethanol Policy." *Review of Agricultural Economics*, 30(2008):533-542.
- Carriquiry, M. A., B.A. Babcock, and C. E. Hart. "Using a Farmer's Beta for Improved Estimation of Expected Yields." *Journal of Agricultural and Resource Economics*, 33(2008):62-68.
- Paulson, N. Babcock, B.A., C.E. Hart, and D.J. Hayes. "An Insurance Approach to Risk Management in the Ethanol Industry." *Agricultural and Resource Economics Review*, 37/1(April 2008):51-62.
- Marette, S., R. Clemens, and B.A. Babcock. "Recent International and Regulatory Decisions about Geographical Indications." *Agribusiness: An International Journal*, vol 24 (4) 453-472, (2008).
- Elobeid, A., S. Tokgoz, D.J. Hayes, B. A. Babcock, C. E. Hart. "Long-Run Impact of Corn-Based Ethanol on the Grain, Oilseed, and Livestock Sectors: A Preliminary Assessment, *AgBioForum*, 10(2007)11-18.
- Monchuk, D.C, J. Miranoski, D.J. Hayes, and B. A. Babcock. "An Analysis of Regional Economic Growth in The U.S. Midwest." *Review of Agricultural Economics*, 29(Spring 2007) 17-39.
- Carriquiry, M. A., and B. A. Babcock. "Reputations, Market Structure, and the Choice of Quality Assurance Systems in the Food Industry." *American Journal of Agricultural Economics*, 89(2007) 12-23.
- Hart, C.E., D. J. Hayes, and B. A. Babcock. "Insuring Eggs in Baskets: Should the Government Insure Individual Risks?" *Canadian Journal of Agricultural Economics*, 54(2006) 121-137.
- Hayes, D. J., S. Lence, and B.A. Babcock. "Geographic Indications and Farmer-Owned Brands.: Why do the U.S. and the E.U. Diasagree?" *EuroChoices*, Vol. 4 (2), August 2005, pp. 28-35.
- Carriquiry, M. A., and B. A. Babcock. "The Impact of Transportation Costs on Spatial Competition of Grain Buyers: An Iowa Case Study" *Journal of Transportation Research Forum*, 44(Summer 2005):61-76.
- Herriges, J., S. Secchi, and B.A. Babcock. "Living with Hogs in Iowa: The Impact of Livestock Facilities on Rural Residential Property Values." *Land Economics*, 81(November 2005):530-545.

- Babcock, B.A., C. E. Hart, and D. J. Hayes. "Actuarial Fairness of Crop Insurance Rates with Constant Rate Relativities." *American Journal of Agricultural Economics*, 86(2004):563-575.
- Hennessy, D., J.A. Miranowski, and B. A. Babcock. "Genetic Information in Agricultural Productivity and Product Development." *American Journal of Agricultural Economics*, 86(2004):73-87.
- Krell, R.K., L. Pedigo, and B.A. Babcock. "Comparison of Estimated Costs and Benefits of Site-Specific Versus Uniform Management for the Bean Leaf Beetle in Soybean." *Precision Agriculture*, 4(2003):401-411.
- Mitchell, P. D., T. M. Hurley, B. A. Babcock, and R. L. Hellmich. "Insuring the Stewardship of Bt Corn: A Carrot versus a Stick." *Journal of Agricultural and Resource Economics*, 27(2002):390-405.
- Hart, C. E., and B.A. Babcock. "U.S. Farm Policy and the WTO: How Do They Match Up?" *The Estey Centre Journal of International Law and Trade Policy*, 3(2002):119-139.
- Hurley, T. M., S. Secchi, B. A. Babcock, and R. Hellmich. "Managing the Risk of European Corn Borer Resistance to Bt Corn." *Environmental and Resource Economics*, 22(2002):537-558.
- Hurley, T. M., B. A. Babcock, and R. Hellmich. "Bt Corn and Insect Resistance: An Economic Assessment of Refuges." *Journal of Agricultural and Resource Economics*, 26(2001):176-194.
- Hart, C. E., B. A. Babcock, and D. J. Hayes. "Livestock Revenue Insurance." *Journal of Futures Markets*, 21(2001):553-580.
- Wu, J., D. Zilberman, and B.A. Babcock, "Environmental and Distributional Impacts of Conservation Targeting Strategies." *Journal of Environmental Economics and Management*, 41(2001):333-350.
- Wu, J. and B. A. Babcock. "Spatial Heterogeneity and the Choice of Instruments to Control Nonpoint Pollution," *Environmental and Resource Economics*, 18(2001):173-192.
- Pautsch, G. R., L. Kurkalova, Babcock, B. A., and C. L. Kling. "The Efficiency of Sequestering Carbon in Agricultural Soils." *Contemporary Economic Policy*, 19(2001):123-134.
- Wu, J., and B. A. Babcock. "Metamodeling Potential Nitrate Water Pollution in the Central United States." *Journal of Environmental Quality*, 28(1999):1916-1928.
- Wu, J., R. D. Adams, D. Zilberman, and B. A. Babcock. "Targeting Resource Conservation Expenditures." *Choices*, 2nd Quarter, 2000, 33-38.
- Paz, J.O., W.D. Batchelor, B. A. Babcock, T.S. Colvin, S.D. Logsdon, T.C. Kaspar, and D.L. Karlen. "Model-Based Technique to Determine Variable-Rate Nitrogen for Corn." *Agricultural Systems*, 61(1999) 69-75.
- Pautsch, G. R., B. A. Babcock and F. Jay Breidt. "Optimal Information Acquisition under a Geostatistical Model." *Journal of Agricultural and Resource Economics*, 24(1999): 342-366.
- Babcock, B. A. "Conflict Between Theory and Practice in Production Economics: Discussion" invited in *American Journal of Agricultural Economics*, 81(1999):719-721.
- Wu, J.-J., and B. A. Babcock. "The Relative Efficiency of Voluntary vs. Mandatory Environmental Regulations." *Journal of Environmental Economics and Management*, 38(1999):158-175.
- Babcock, B. A., and G. R. Pautsch. "Moving from Uniform to Variable Nitrogen Applications on Iowa Corn: Effects on Rates and Returns." *Journal of Agricultural and Resource Economics*, 23(1998):385-400.
- Hennessy, D., and B. A. Babcock. "Information, Flexibility, and Value Added." *Information Economics and Policy*, 10(1998) 431-449.

- Fleming, R. A., B. A. Babcock, and E. Wang. "Resource or Waste? The Economics of Swine Manure Storage and Management." *Review of Agricultural Economics*, 20(1998) 96-113.
- Wu, J., and B. A. Babcock. "The Choice of Tillage, Rotation, and Soil Testing Practices: Economic and Environmental Implications." *American Journal of Agricultural Economics*, 80(1998) 494-511.
- Hennessy, D., B. A. Babcock, and D. Hayes. "The Budgetary and Producer Welfare Effects of Revenue Assurance," *American Journal of Agricultural Economics*, 79(August 1997) 1024-1034.
- Babcock, B. A., P. G. Lakshminarayan, J. Wu, and D. Zilberman. "Targeting Tools for the Purchase of Environmental Amenities." *Land Economics*, 73(1997):325-339.
- Wu, J., and B. A. Babcock. "Contract Design for the Purchase of Environmental Goods from Agriculture." *American Journal of Agricultural Economics*, 78(1996):935-945.
- Pautsch, G. R., B. A. Babcock, C. P. Baumel. "Estimating the Value of Guaranteed Rail Service." *Journal of Transportation Research Forum*, 36(1996):59-73.
- Babcock, B. A., J. Wu, P. G. Lakshminarayan and D. Zilberman. "The Economics of a Public Fund for Environmental Amenities." *American Journal of Agricultural Economics*, 78(1996):961-971.
- Babcock, B. A., A. L. Carriquiry, and H. S. Stern. "Evaluation of Soil Test Information in Agricultural Decision Making." *Applied Statistics*, 45(1996):447-461.
- O'Brien, D., M. Hayenga, and B. A. Babcock. "Deriving Forecast Probability Distributions of Harvest-Time Corn Futures Prices." *Review of Agricultural Economics*, 18(1996):167-180.
- Babcock, B. A., and D. Hennessy. "Input Demand Under Yield and Revenue Insurance." *American Journal of Agricultural Economics*, 78(1996):416-27.
- Wu, J., and B. A. Babcock. "Optimal Design of a Voluntary Green Payment Program under Asymmetric Information." *Journal of Agricultural and Resource Economics*, 20(1995):316-327.
- Babcock, B. A., and J. F. Shogren. "The Cost of Risk in Agriculture," *Agricultural Economics*, 12(1995):141-150.
- Lence, S., and B. A. Babcock. "Flexibility, Endogenous Risk, and the Protection Premium." *Theory and Decision*, 38(1995):29-50.
- Babcock, B. A., and A. M. Blackmer. "The Ex Post Relationship between Growing Conditions and Nitrogen Fertilizer Levels." *Review of Agricultural Economics*, 16(1994):441-450.
- Foster, W. E., and B. A. Babcock. "Commodity Policy, Price Incentives, and the Growth in Per-Acre Yields." *Journal of Agricultural and Applied Economics*, 25(1993):253-265.
- Babcock, B. A., W. E. Foster, and D. L. Hoag. "Land Quality and Diversion Decisions under U.S. Commodity Programs." *Review of Agricultural Economics*, 15(1993):467-476.
- Babcock, B. A., E. K. Choi, and E. Feinerman. "Risk and Probability Premiums for CARA Utility Functions." *Journal of Agricultural and Resource Economics*, 18(1993):17-24.
- Hoag, D. L., B. A. Babcock and W. E. Foster. "Field-Level Measurements of Land Productivity and Program Slippage." *American Journal of Agricultural Economics*, 75(1993):181-189.
- Babcock, B. A., and A. M. Blackmer. "The Value of Reducing Temporal Input Nonuniformities." *Journal of Agricultural and Resource Economics*, 17(1992):335-347.

- Babcock, B. A. "The Effects of Uncertainty on Optimal Nitrogen Applications." *Review of Agricultural Economics*, 14(1992):271-280.
- Babcock, B. A., and W. E. Foster. "Economic Rents under Supply Controls with Marketable Quota." *American Journal of Agricultural Economics*, 74(1992):630-637.
- Babcock, B. A., E. Lichtenberg, and D. Zilberman. "Impact of Damage Control and Quality of Output: Estimating Pest Control Effectiveness." *American Journal of Agricultural Economics*, 74(1992):163-172.
- Foster, W. E., and B. A. Babcock. "Producer Welfare Consequences of Regulating Chemical Residues on Agricultural Crops: Maleic Hydrazide and Flue-Cured Tobacco." *American Journal of Agricultural Economics*, 73(1991):1224-1232.
- Babcock, B. A., and W. E. Foster. "Measuring the Contribution of Plant Breeding to Crop Yields: Flue-Cured Tobacco, 1954 - 1987." *American Journal of Agricultural Economics*, 73(1991):850-859.
- Babcock, B. A. "Acreage Decisions under Marketing Quotas and Yield Uncertainty." *American Journal of Agricultural Economics*, 72(1990):958-965.
- Babcock, B. A., C. A. Carter, and A. Schmitz. "The Political Economy of U. S. Wheat Legislation." *Economic Inquiry*, 28(1990):335-352.
- Babcock, B. A. "The Value of Weather Information in Market Equilibrium." *American Journal of Agricultural Economics*, 72(1990):63-72.
- Foster, W. E., and B. A. Babcock. "The Effect of Government Policy on Flue-Cured Tobacco Yields." *Tobacco Science*, 34(1990):4-8.
- Babcock, B. A., and A. Schmitz. "Look for the Hidden Costs: Why Direct Subsidy Can Cost Us Less (And Benefit Us More) than a 'No-Cost' Trade Barrier." *Choices*, 4th Quarter, 1986. Also included in *The Best of Choices: 1986-1996*, published by the AAEA.
- Babcock, B. A., J. A. Chalfant, and R. N. Collender. "Simultaneous Input Demands and Land Allocation in Agricultural Production under Uncertainty." *Western Journal of Agricultural Economics*, 12(1987)207-215.
- Babcock, B. A., M. E. Rister, R.D. Kay, and J. A. Wallers. "Identifying Least-Cost Sources of Required Fertilizer Nutrients." *American Journal of Agricultural Economics*, 66(1984):385-391.

Books Edited

- Alston, J., B.A. Babcock, and P.G. Pardey. *The Shifting Patterns of Agricultural Productivity and Production Worldwide*. Center for Agricultural and Rural Development, Iowa State University, 2010. Ames IA.
- Babcock, B.A., D. J. Hayes, and J. D. Lawrence. *Using Distillers Grains in the U.S. and International Livestock Industries*. Center for Agricultural and Rural Development, Iowa State University, 2008. Ames IA.
- Babcock, B. A., R. W. Fraser, and J. N. Lekakis. *Risk Management and the Environment: Agriculture in Perspective*. Kluwer Academic Publishers. 2003.

Chapters in Books

- Babcock, B., C. Hart, and A. Stoppa. "La Gestione del Rischio Nell'Agricoltura USA." Pages 99-118 in *La Gestione del Rischio in Agricoltura: Strumenti e Politiche*. F.Filippis ed. Coldiretti, Rome, Italy. 2004.
- Babcock, B., C. Hart, and A. Stoppa. "Le Strategie per la Gestione dei Rischi Agricoli e Gli Strumenti Applicabili in Italia." Pages 193-198 in *La Gestione del Rischio in Agricoltura: Strumenti e Politiche*. F.Filippis ed. Coldiretti, Rome, Italy. 2004.
- Secchi, S., and B.A. Babcock. "Pest Mobility, Market Share, and the Efficacy of Refuge Requirements for Resistance Management." Pages 94-112 in *Battling Resistance to Antibiotics and Pesticides*. R. Laxminarayan, ed. Resources for the Future, Washington, DC. 2003.
- Clark, W.R., B.L. Falk, R. A. Schmitz, and B.A. Babcock. "Projecting the Wildlife and Economic Impacts of United States Agricultural Policy Using Landscape-Level Analyses." Pages 139-43 in *Wildlife: Land, and People: Priorities for the 21st Century*. R. Field, R.J. Warren, H. Okarma, and P.R. Sievert, eds. Proceedings of the Second International Wildlife Management Congress. The Wildlife Society, Bethesda, Maryland. 2001.
- Hurley, T. M., and B.A. Babcock. "Valuing Pest Control: How Much is Due to Risk Aversion?" Chapter 8 in *Risk Management and the Environment: Agriculture in Perspective*. B.A. Babcock, R. W. Fraser and J.N. Lekakis eds. Kluwer Academic Publishers, Dordrecht, The Netherlands, 2003.
- Mitchell, Paul D., P.G. Lakshminarayan, B.A. Babcock and T. Otake. "The Impact of Soil Conservation Policies on Carbon Sequestration in Agricultural Soils of Central U.S." *Management of Carbon Sequestration*. R. Lal, J. Kimble, R. Follett and B.A. Stewart, eds. Boca Raton, FL: CRC Press. 1998
- Babcock, B. A., and P. R. Johnson. "Standards Applicable to Flue-Cured Leaf from Start of On-Farm Preparation for Sale Until Time to 'Break the Sale'." Pages 78 to 87 in *The U.S. Tobacco Marketing System: A Proceedings of a Symposium*. J. Paxton Marshall (ed.). Chicago, Illinois; American Farm Bureau Federation. June, 1989
- Beghin, J., R. C. Chang and B. A. Babcock. "The Impact of a Decrease in Producer Subsidy Equivalent on the U.S. Tobacco Industry," in *1989 Current Issues in Tobacco Economics*, vol. 3. Farrell Delman, Thomas C. Slane, and Nina Stanton (eds.). Tobacco Merchants Association of the United States, Inc: Princeton, New Jersey. 1989.